3DEXPERIENCE

It is first and foremost a collaboration platform: Any information that is required in order to carry out a project will be gathered here. Whatever the time or wherever they may be, anyone participating in the project - be it the designer, the project manager or the manager - can simply share their information, acquire any necessary data and communicate with each other. This new way of cooperating will ultimately lead to quicker decision-making and reduced development times

CATIA
3DEXPEREINCE
19 /03/2024- 30/05/2024



DAYANANDA SAGAR UNIVERSITY

SCHOOL OF ENGINEERING

DEPARTMENT OF AEROSPACE ENGINEERING

CENTER OF EXCELLENCE

3DEXPERIENCE®

DAYANANDA SAGAR UNIVERSITY

SCHOOL OF ENGINEERING

DEPARTMENT OF AEROSPACE ENGINEERING

VALUE ADDED COURSE

ATTENDANCE SHEET

Topic: CATIA 3DEXPEREINCE **Date:19/03/2024**

Session: Forenoon Timings: 11:00AM-1:00PM Semester: IV Class Room: A312 (PD lab)

Name of the trainer: G N Sudheer, EDS Technologies Bangalore Academic Year:2023-24

SL NO	USN	Name of the Student	Signature of the Student
1	ENG22AS0001	ACHYUTHA S NIJIGAL	ABSENT
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6	ENG22AS0006	JAHNAVISHREE S	
7	ENG22AS0007	JAYASHREE D M	Jaya Shree D.M
8	ENG22AS0008	KHUSHWANTH GOWDA P	
9	ENG22AS0009	KUSHIKA B	
10	ENG22AS0010	NIDHISH CHANDRA	Nidhish Chandra
11	ENG22AS0011	NIKHIL N P	ABSENT
12	ENG22AS0012	PRAKYATH JOGI	ABSENT
13	ENG22AS0013	PRATHIBHA H R	Prathibha H.R
14	ENG22AS0014	SHREYA S NAIK	
15	ENG22AS0015	SHRIPAD	
16	ENG22AS0016	SMRUTI REKHA GIRI	Smruti
17	ENG22AS0017	T V P KUSHAL	
18	ENG22AS0018	VEDA H N	Veda. H.N
19	ENG22AS0019	VEERESH	
20	ENG22AS0020	VISWESHRAJ M	ABSENT
21	ENG22AS0021	YASHAS D G	
22	ENG22AS0022	AAGNAYEE BISWAS	
23	ENG22AS0023	AMRANIA VATSAL VIPUL	
24	ENG22AS0024	ASHVANI CHAUDHARY	
25	ENG22AS0025	BARATH P	
26	ENG22AS0026	JAIMAN NARESH KHANDELWAL	
27	ENG22AS0027	K S RAHUL BHARGAV	
28	ENG22AS0028	K VIKAAS ADITHYA	Vikaas
29	ENG22AS0029	KAVYA SHREE. S	ABSENT
30	ENG22AS0030	KHYATI CHOUBEY	ABSENT

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37	ENG22AS0037	PATIL PRACHITI PRAKASH	
38	ENG22AS0038	PURAV KANISHKA SANTOSH	
39	ENG22AS0039	QASIM HUZEFA JOHAR	ABSENT
40	ENG22AS0040	SHARAN MURALI RAJ	
41	ENG22AS0041	SRILAXMI SHENOY	ABSENT
42	ENG22AS0042	UDHAYA	
43	ENG22AS0043	VADI KASHVI KUNAL	
44	ENG22AS0044	RAHUL R	
45	ENG22AS0045	TEJAS A S	
46	ENG23AS1001	SANJANA B	
47	ENG23AS1002	TARITA JITENDRA SHETTY	ABSENT
48	ENG23AS5001	VISHESH SONI	
49	ENG23AS1003	YOGESH V	ABSENT
50	23UGENG 2098	Akshay Hakki	

DEPARTMENT OF AEROSPACE ENGINEERING

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Topic: CATIA 3DEXPEREINCE Date:19/03/2024

Session: Forenoon Timings: 2:00PM-4:30PM Semester: IV Class Room: A312 (PD lab)

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1	ENG22AS0001	ACHYUTHA S NIJIGAL	ABSENT
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5	ENG22AS0005	DEVINDRA LAXMAN MASABINAL	
6	ENG22AS0006	JAHNAVISHREE S	
7	ENG22AS0007	JAYASHREE D M	
8	ENG22AS0008	KHUSHWANTH GOWDA P	
9	ENG22AS0009	KUSHIKA B	ABSENT
10	ENG22AS0010	NIDHISH CHANDRA	
11	ENG22AS0011	NIKHIL N P	ABSENT
12	ENG22AS0012	PRAKYATH JOGI	ABSENT
13	ENG22AS0013	PRATHIBHA H R	
14	ENG22AS0014	SHREYA S NAIK	
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16	ENG22AS0016	SMRUTI REKHA GIRI	
17	ENG22AS0017	T V P KUSHAL	
18	ENG22AS0018	VEDA H N	
19	ENG22AS0019	VEERESH	
20	ENG22AS0020	VISWESHRAJ M	ABSENT
21	ENG22AS0021	YASHAS D G	
22	ENG22AS0022	AAGNAYEE BISWAS	
23	ENG22AS0023	AMRANIA VATSAL VIPUL	
24	ENG22AS0024	ASHVANI CHAUDHARY	
25	ENG22AS0025	BARATH P	
26	ENG22AS0026	JAIMAN NARESH KHANDELWAL	
27	ENG22AS0027	K S RAHUL BHARGAV	
28	ENG22AS0028	K VIKAAS ADITHYA	
29	ENG22AS0029	KAVYA SHREE. S	ABSENT
30	ENG22AS0030	KHYATI CHOUBEY	ABSENT

DAYANANDA SAGAR UNIVERSITY

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37	ENG22AS0037	PATIL PRACHITI PRAKASH	
38	ENG22AS0038	PURAV KANISHKA SANTOSH	
39	ENG22AS0039	QASIM HUZEFA JOHAR	ABSENT
40	ENG22AS0040	SHARAN MURALI RAJ	
41	ENG22AS0041	SRILAXMI SHENOY	ABSENT
42	ENG22AS0042	UDHAYA	
43	ENG22AS0043	VADI KASHVI KUNAL	
44	ENG22AS0044	RAHUL R	Rahul.R
45	ENG22AS0045	TEJAS A S	
46	ENG23AS1001	SANJANA B	
47	ENG23AS1002	TARITA JITENDRA SHETTY	ABSENT
48	ENG23AS5001	VISHESH SONI	
49	ENG23AS1003	,YOGESH V	ABSENT
50	23UGENG2098	Akshay Hakki	

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17	ENG22AS0017	T V P KUSHAL	
18	ENG22AS0018	VEDA H N	Veda HN
19	ENG22AS0019	VEERESH	
20	ENG22AS0020	VISWESHRAJ M	← ABSENT →
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22	ENG22AS0022	AAGNAYEE BISWAS	
23	ENG22AS0023	AMRANIA VATSAL VIPUL	← ABSENT →
24	ENG22AS0024	ASHVANI CHAUDHARY	← ABSENT →
25	ENG22AS0025	BARATH P	
26	ENG22AS0026	JAIMAN NARESH KHANDELWAL	← ABSENT →
27	ENG22AS0027	K S RAHUL BHARGAV	
28	ENG22AS0028	K VIKAAS ADITHYA	Vikaas
29	ENG22AS0029	KAVYA SHREE. S	Kavyashree S Khyati
30	ENG22AS0030	KHYATI CHOUBEY	

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37	ENG22AS0037	PATIL PRACHITI PRAKASH	
38	ENG22AS0038	PURAV KANISHKA SANTOSH	
39	ENG22AS0039	QASIM HUZEFA JOHAR	ABSENT
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47	ENG23AS1002	TARITA JITENDRA SHETTY	ABSENT
48	ENG23AS5001	VISHESH SONI	
49	ENG23AS1003	YOGESH V	ABSENT
50			

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7	ENG22AS0007	JAYASHREE D M	Jaya Shree D. M
8	ENG22AS0008	KHUSHWANTH GOWDA P	
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10	ENG22AS0010	NIDHISH CHANDRA	
11	ENG22AS0011	NIKHIL N P	ABSENT
12	ENG22AS0012	PRAKYATH JOGI	ABSENT
13	ENG22AS0013	PRATHIBHA H R	ABSENT
14	ENG22AS0014	SHREYA S NAIK	SSN
15	ENG22AS0015	SHRIPAD	
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17	ENG22AS0017	T V P KUSHAL	
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19	ENG22AS0019	VEERESH	VB
20	ENG22AS0020	VISWESHRAJ M	ABSENT
21	ENG22AS0021	YASHAS D G	
22	ENG22AS0022	AAGNAYEE BISWAS	
23	ENG22AS0023	AMRANIA VATSAL VIPUL	ABSENT
24	ENG22AS0024	ASHVANI CHAUDHARY	ABSENT
25	ENG22AS0025	BARATH P	
26	ENG22AS0026	JAIMAN NARESH KHANDELWAL	ABSENT
27	ENG22AS0027	K S RAHUL BHARGAV	
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29	ENG22AS0029	KAVYA SHREE. S	
30	ENG22AS0030	KHYATI CHOUBEY	Khyati

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39	ENG22AS0039	QASIM HUZEFA JOHAR	← ABSENT →
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47	ENG23AS1002	TARITA JITENDRA SHETTY	← ABSENT →
48	ENG23AS5001	VISHESH SONI	
49	ENG23AS1003	YOGESH V	
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29	ENG22AS0029	KAVYA SHREE. S	
30	ENG22AS0030	KHYATI CHOUBEY	ABSENT

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49	ENG23AS1003	YOGESH V	
50	23UGENG2098	Akshay Hakki	

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17	ENG22AS0017	T V P KUSHAL	
18	ENG22AS0018	VEDA H N	← ABSENT →
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20	ENG22AS0020	VISWESHRAJ M	
21	ENG22AS0021	YASHAS D G	
22	ENG22AS0022	AAGNAYEE BISWAS	← ABSENT →
23	ENG22AS0023	AMRANIA VATSAL VIPUL	← ABSENT →
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41	ENG22AS0041	SRILAXMI SHENOY	← ABSENT →
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47	ENG23AS1002	TARITA JITENDRA SHETTY	
48	ENG23AS5001	VISHESH SONI	
49	ENG23AS1003	YOGESH V	
50	23UG,ENG12098	Akshay Hakki	

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Topic: CATIA 3DEXPEREINCE Date:27/03/2024

Course Duration: March-May 2024

Session:After noon Timings:01:50PM-3:50PM Semester/Year:IV/II Class Room:A312 (PD lab)

Academic Year:2023-24

SL NO	USN	Name of the Student	Signature of the Student
1)	ENG22AS001	Achyutha. S. Nijigal	
2)	ENG22AS002		
3)	ENG22AS003	B. Karthik	
4)	ENG22AS004	Basava Kiran	
5)	ENG22AS005	Devindra. L.M	
6)	ENG22AS006	Jahnavishree S	
7)	ENG22AS007	Jaya shree D.M	Jaya shree D.M
8)	ENG22AS008	Khushwanth Gowda. P.	
9)	ENG22AS009	Kushika. B	
10)	ENG22AS010	Nidhish Chandra	
11)	ENG22AS011	Nikhil	
12)	ENG22AS012	Pratyath Jogi	
13)	ENG22AS013	Prathibha H.R	Prathibha H.R.
14)	ENG22AS014		
15)	ENG22AS015	Shreyas	
16)	ENG22AS016	Smruti Rekha Giri	Smruti
17)	ENG22AS017	TVP Kushal	
18)	ENG22AS018		
19)	ENG22AS019	V. Evesh	
20)	ENG22AS020	Viswesharaj	
21)	ENG22AS021	YASHAS. D. G	
22)	ENG22AS022	Aagnayee Biswas	
23)	ENG22AS023	Vatsal Amrania	
24)	ENG22AS024	Akhwani Chaudhary	
25)	ENG22AS025	P. Barath	
26)	ENG22AS026	Jaiman Khandelwal	
27)	ENG22AS027	K. S. Rahul Bhargav	
28)	ENG22AS028	K. Vikrod Aditya	
29)	ENG22AS029		
30)	ENG22AS030	khyati choubey	khyati
31)	ENG22AS031	Krish Agrawal	

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Session:After noon Timings:01:50PM-3:50PM Semester/Year:IV/II Class Room:A312 (PD lab)

Academic Year:2023-24

SL NO	USN	Name of the Student	Signature of the Student
32)	ENG22AS032	Keheta Mohan	
33)	ENG22AS033	Hevenuye Sinbenth	
34)	ENG22AS034	Mithra P.	Mithra P.
35)	ENG22AS035	Mohd. Ashan L. Pathan	
36)	ENG22AS036	Mohd. Abu Zaid	
37)	ENG22AS037	Prachiti Patil	
38)	ENG22AS038	Kanishka Purav	Kanishka
39)	ENG22AS039	Qasim. H. J	Qasim
40)	ENG22AS040	Sharan Murali Raj	
41)	ENG22AS041	Srilaxmi Shenoy	
42)	ENG22AS042	Udhaya	
43)	ENG22AS043	Kashvi Vadi	Kvadi
44)	ENG22AS044	Rahul.R	Rahul.R
45)	ENG22AS045	TEJAS. A. S	
46)	ENG23AS1001	SANJANA B	
47)	ENG23AS1002		
48)	ENG23AS5001	Vishesh Soni	
49)	ENG23AS1003		

DAYANANDA SAGAR UNIVERSITY

SCHOOL OF ENGINEERING

DEPARTMENT OF AEROSPACE ENGINEERING

VALUE ADDED COURSE

ATTENDANCE SHEET

Topic: CATIA 3DEXPEREINCE

Date:03/04/2024

Course Duration: March-May 2024

Session:After noon Timings:01:50PM-3:50PM Semester/Year:IV/II Class Room:A312 (PD lab)

Academic Year:2023-24

SL NO	USN	Name of the Student	Signature of the Student
1)	ENG22AS001	Achyutha. S. Nijigal	
2)	ENG22AS002		
3)	ENG22AS003	B. Kaithak	
4)	ENG22AS004	Bcesavakiran	
5)	ENG22AS005	Devindra. L.M	
6)	ENG22AS006	Jahnavistoree S	
7.	ENG22AS007	Jaya Shree D.M	Jaya Shree D.M
8.	ENG22AS008	Khushcoanth Gowda	
9.	ENG22AS009	Kushika. B	
10.	ENG22AS010	Nidhish Chandra	
11.	ENG22AS011	Nikhil	
12.	ENG22AS012	Prakyath Jogi	
13.	ENG22AS013	Prathibha H.R.	Prathibha H.R.
14.	ENG22AS014		
15.	ENG22AS015	Sheipad	
16.	ENG22AS016	Smruti Rekha Giri	Smruti
17.	ENG22AS017	TVP Rushal	
18.	ENG22AS018		
19.	ENG22AS019	VEERESH	
20.	ENG22AS020	Vishwaraj	
21.	ENG22AS021	YASHAS. D.G	
22.	ENG22AS022	Aagnayee Biswas	
23.	ENG22AS023	Vatsal Anwani	
24.	ENG22AS024	Ashwani Chaudhary	
25.	ENG22AS025	P. Barath	
26.	ENG22AS026	Jaiman Khandelwal	
27.	ENG22AS027	K.S. Rahul Bhargav	
28.	ENG22AS028	K Vikrant Aditya	
29.	ENG22AS029		
30.	ENG22AS030	Khyati choubey	
31.	ENG22AS031	Krish Agrawal	

DAYANANDA SAGAR UNIVERSITY

SCHOOL OF ENGINEERING

DEPARTMENT OF AEROSPACE ENGINEERING

VALUE ADDED COURSE

ATTENDANCE SHEET

Topic: CATIA 3DEXPEREINCE

Date:03/04/2024

Course Duration: March-May 2024

Session:After noon Timings:01:50PM-3:50PM Semester/Year:IV/II Class Room:A312 (PD lab)

Academic Year:2023-24

SL NO	USN	Name of the Student	Signature of the Student
32.	ENG22AS032	Ksheera Mohan	
33.	ENG22AS033	Hevanya Srikanth	
34.	ENG22AS034	Mithun P	
35.	ENG22AS035	Mohd Adnan L. Patlan	
36.	ENG22AS036	Mohd. Abu Zaid	
37.	ENG22AS037	Prachiti Patil	
38.	ENG22AS038	Kanishka Purav	
39.	ENG22AS039	Darin. H. J	
40.	ENG22AS040	Sharan Murali Raj	
41.	ENG22AS041	srilaxmi shenoy	
42.	ENG22AS042	Udhaya	
43.	ENG22AS043	Kashvi Vadi	
44.	ENG22AS044	Rahul. R	
45.	ENG22AS045	TEJAS. A. S	
46.	ENG23AS0001	SANJANA B	
47.	ENG23AS1002		
48.	ENG23AS5001	Vishesh Soni	
49.	ENG23AS1003		

DAYANANDA SAGAR UNIVERSITY

SCHOOL OF ENGINEERING

DEPARTMENT OF AEROSPACE ENGINEERING

VALUE ADDED COURSE

ATTENDANCE SHEET

Topic: CATIA 3DEXPEREINCE Date:10/04/2024

Course Duration: March-May 2024

Session:After noon Timings:01:50PM-3:50PM Semester/Year:IV/II Class Room:A312 (PD lab)

Academic Year:2023-24

SL NO	USN	Name of the Student	Signature of the Student
1)	ENG22AS0001	Achyutha. S. Nijigal	
2)	ENG22AS0002	ABSENT	
3)	ENG22AS0003	B. Karthik	
4)	ENG22AS0004	Basavaraj Giraddi	
5)	ENG22AS0005	Devendra. L M	
6)	ENG22AS0006	Jahnavishree S	
7)	ENG22AS0007	Jaya Shree D.M	Jaya Shree D.M
8)	ENG22AS0008	Khushwanth Gowda P.	
9)	ENG22AS0009	Kushika B	
10)	ENG22AS0010	Nidhish Chandra	
11)	ENG22AS0011	Nikhil	
12)	ENG22AS0012	Prakyath Jogi	
13)	ENG22AS0013	Prathibha H.R	Prathibha H.R.
14)	ENG22AS0014	ABSENT	
15)	ENG22AS0015	Sherjad	
16)	ENG22AS0016	Smruti Rekha Giri	Smruti
17)	ENG22AS0017	TVP Rushal	
18)	ENG22AS0018	ABSENT	
19)	ENG22AS0019	Veeresh	
20)	ENG22AS0020	Visweshraj	
21)	ENG22AS0021	YASHAS. D. G	
22)	ENG22AS0022	Aagnayee Biswas	
23)	ENG22AS0023	Vatsal Anmanwar	
24)	ENG22AS0024	Ashwani Choudhary	
25)	ENG22AS0025	P. Barath	
26)	ENG22AS0026	Laxman Khandelwal	
27)	ENG22AS0027	K.S. Rahul Bhargav	
28)	ENG22AS0028	K Vikrant Adithya	
29)	ENG22AS0029	ABSENT	
30)	ENG22AS0030	Khyati Chowdary	
31)	ENG22AS0031	Krish Agrawal	

DAYANANDA SAGAR UNIVERSITY

SCHOOL OF ENGINEERING

DEPARTMENT OF AEROSPACE ENGINEERING

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ATTENDANCE SHEET

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Course Duration: March-May 2024

Session:After noon Timings:01:50PM-3:50PM Semester/Year:IV/II Class Room:A312 (PD lab)

Academic Year:2023-24

SL NO	USN	Name of the Student	Signature of the Student
32)	ENG22AS0032	Kshetra Mohan	
33)	ENG22AS0033	Hemanya Shibanth	
34)	ENG22AS0034	Mithun P	
35)	ENG22AS0035	Mohd. Adnan L. Pathan	
36)	ENG22AS0036	Mohd. Abu Zaid	
37)	ENG22AS0037	Prachiti Patil	
38)	ENG22AS0038	Kanishka Porav	
39)	ENG22AS0039	Qasim . H . J	
40)	ENG22AS0040	Shaaran Murali Raj	
41)	ENG22AS0041	Sujitarmi Shenoy	
42)	ENG22AS0042	Udhaya	
43)	ENG22AS0043	Kashvi Vadi	
44)	ENG22AS0044	Rahul. R	
45)	ENG22AS0045	TEJAS. A. S	
46)	ENG23AS1001	SANJANA B	
47)	ENG23AS1002	ABSENT	
48)	ENG23AS5001	Vishesh Soni	
49)	ENG23AS1003	ABSENT	

DAYANANDA SAGAR UNIVERSITY

SCHOOL OF ENGINEERING

DEPARTMENT OF AEROSPACE ENGINEERING

VALUE ADDED COURSE

ATTENDANCE SHEET

Topic: CATIA 3DEXPEREINCE

Date:17/04/2024

Course Duration: March-May 2024

Session:After noon Timings:01:50PM-3:50PM Semester/Year:IV/II Class Room:A312 (PD lab)

Academic Year:2023-24

SL NO	USN	Name of the Student	Signature of the Student
1)	ENG22AS0001	Achyutha. S. Nijigal	
2)	ENG22AS0002		
3)	ENG22AS0003	B. Rathik	
4)	ENG22AS0004	Basava Kiran	
5)	ENG22AS0005	Devindra. L.M	
6)	ENG22AS0006	Jahnavishree S	
7)	ENG22AS0007	Jaya shree D.M	Jaya shree D.M
8)	ENG22AS0008	Khushvanth Jadhav	
9)	ENG22AS0009	Kushika. B	
10)	ENG22AS0010	Nidhish Chandra	
11)	ENG22AS0011	Nikhil	
12)	ENG22AS0012	Prakyath Jogi	
13)	ENG22AS0013	Prathibha H.R.	Prathibha H.R.
14)	ENG22AS0014		
15)	ENG22AS0015	Shripad	
16)	ENG22AS0016	Smruti Rekha Giri	Smruti
17)	ENG22AS0017	TVP Rushal	
18)	ENG22AS0018		
19)	ENG22AS0019	Vellesh	
20)	ENG22AS0020	Viswesharaj	
21)	ENG22AS0021	Yashas. D.G	
22)	ENG22AS0022	Aagnayee Biswas	
23)	ENG22AS0023	Vatsal Amrania	
24)	ENG22AS0024	Ashwani Chaudhary	
25)	ENG22AS0025	P. Barath	
26)	ENG22AS0026	Jaiman Vinodchandra	
27)	ENG22AS0027	K.S. Rahul Bhargav	
28)	ENG22AS0028	K. Vikrant Adithya	
29)	ENG22AS0029		
30)	ENG22AS0030	Khyati Chouhey	
31)	ENG22AS0031	Krish Agrawal	

DAYANANDA SAGAR UNIVERSITY

SCHOOL OF ENGINEERING

DEPARTMENT OF AEROSPACE ENGINEERING

VALUE ADDED COURSE

ATTENDANCE SHEET

Date:17/04/2024

Topic: CATIA 3DEXPEREINCE

Course Duration: March-May 2024

Session:After noon Timings:01:50PM-3:50PM Semester/Year:IV/II Class Room:A312 (PD lab)

Academic Year:2023-24

SL NO	USN	Name of the Student	Signature of the Student
32)	ENG22AS0032	Kshetra Mohan	
33)	ENG22AS0033	Keerthana Sivakanth	
34)	ENG22AS0034	Mithun P	Mithun P
35)	ENG22AS0035	Mohd. Adnan L. Patel	
36)	ENG22AS0036	Mohd. Abu Zaid	
37)	ENG22AS0037	Prachiti Patil	
38)	ENG22AS0038	Kanishka Purav	
39)	ENG22AS0039	Oasim. H. J	
40)	ENG22AS0040	Sharan M. Raj	
41)	ENG22AS0041	Srilaxmi Phanay	
42)	ENG22AS0042	Vidhya	
43)	ENG22AS0043	Kashvi Vadi	
44)	ENG22AS0044	Rahul. R	
45)	ENG22AS0045	TEJAS. A. S	
46)	ENG23AS1001	SANJANA B	
47)	ENG23AS1002		
48)	ENG23AS5001	Vishesh Soni	
49)	ENG23AS1003		

DAYANANDA SAGAR UNIVERSITY

SCHOOL OF ENGINEERING

DEPARTMENT OF AEROSPACE ENGINEERING

VALUE ADDED COURSE

ATTENDANCE SHEET

Topic: CATIA 3DEXPEREINCE Date:24/04/2024

Course Duration: March-May 2024

Session:After noon Timings:01:50PM-3:50PM Semester/Year:IV/II Class Room:A312 (PD lab)

Academic Year:2023-24

SL NO	USN	Name of the Student	Signature of the Student
1.	ENG22AS001	Achyutha S Nijigal	
2.	ENG22AS002		
3.	ENG22AS003	B. Karthik	
4.	ENG22AS004	Basava Kiran	
5.	ENG22AS005	Devindra. L.M	
6.	ENG22AS006	Jahnavishree S	
7.	ENG22AS007	Jaya shree D.M	Jaya shree D.M
8.	ENG22AS008	Khushwanth Gowda.P.	
9.	ENG22AS009	Kushika. B	
10.	ENG22AS010	Nidhish Chandra	
11.	ENG22AS011	Nikhil	
12.	ENG22AS012	Prakyath Jogi	
13.	ENG22AS013	Prathibha H.R.	Prathibha H.R.
14.	ENG22AS014		
15.	ENG22AS015	Sheripad	
16	ENG22AS016	Smruti Rekha Giri	Smruti
17	ENG22AS017	TVP Kushal	
18	ENG22AS018		
19	ENG22AS019	Veeresh	
20	ENG22AS020	Viswesh raj	
21	ENG22AS021	YASHAS.D.G	
22	ENG22AS022	Aagnayee Biswas	
23	ENG22AS023	Vatsal Anwani	
24	ENG22AS024	Ashwani Chaudhary	
25	ENG22AS025	P. Barath	
26	ENG22AS026	Jaiman Khandelwal	
27	ENG22AS027	K.S. Rahul Bhargav	
28	ENG22AS028	K. Vikrad Aditya	
29	ENG22AS029		
30	ENG22AS030	Khyati Choudary	
31	ENG22AS031	Krish Agrawal	

DAYANANDA SAGAR UNIVERSITY

SCHOOL OF ENGINEERING

DEPARTMENT OF AEROSPACE ENGINEERING

VALUE ADDED COURSE

ATTENDANCE SHEET

Date:24/04/2024

Topic: CATIA 3DEXPEREINCE

Course Duration: March-May 2024

Session:After noon Timings:01:50PM-3:50PM Semester/Year:IV/II Class Room:A312 (PD lab)

Academic Year:2023-24

SL NO	USN	Name of the Student	Signature of the Student
32.	ENG22AS032	Kshetra Mohan	
33	ENG22AS033	Lavanya Srikanth	
34	ENG22AS034	Mithun P	Mithun P.
35	ENG22AS035	Mohd. Ashan L. Pathan	
36	ENG22AS036	Mohd Abu Zaid	
37	ENG22AS037	Prachiti Patil	
38	ENG22AS038	Kanishka Purav	
39	ENG22AS039	Qasim. H.J	
40	ENG22AS040	Sharan Murali Raj	
41	ENG22AS041	Srilaxmi Shenoy	
42.	ENG22AS042	Udaya.	
43.	ENG22AS043	Kashvi Vadi	
44.	ENG22AS044	Rahul.R	Rahul.R
45.	ENG22AS045	TEJAS.A.S	
46.	ENG23AS1001	SANJANA B	
47.	ENG23AS1002		
48.	ENG23AS1003	Vishesh Soni	
49.	ENG23AS1003		

DAYANANDA SAGAR UNIVERSITY

SCHOOL OF ENGINEERING

DEPARTMENT OF AEROSPACE ENGINEERING

VALUE ADDED COURSE

ATTENDANCE SHEET

Topic: CATIA 3DEXPEREINCE

Date:08/05/2024

Course Duration: March-May 2024

Session:After noon Timings:01:50PM-3:50PM Semester/Year:IV/II Class Room:A312 (PD lab)

Academic Year:2023-24

SL NO	USN	Name of the Student	Signature of the Student
1	ENG22AS001	Achyutha S Nijigal	
2	ENG22AS002		
3	ENG22AS003	B. Karthik	
4	ENG22AS004	Basavakiran	
5	ENG22AS005	Devindra. L.M	
6	ENG22AS006	Jahnavishree S	
7	ENG22AS007	Jaya Shree D.M	Jaya Shree D.M
8	ENG22AS008	Khushwanth Gouda-T	
9	ENG22AS009	Kushika .B	
10	ENG22AS010	Nidhish Chandra	
11	ENG22AS011	Nikhil	
12	ENG22AS012	Prakyath Jogi	
13	ENG22AS013	Prathibha H.R	Prathibha H.R.
14	ENG22AS014		
15	ENG22AS015	Shrijad	
16	ENG22AS016	Smruti Rekha Giri	Smruti
17	ENG22AS017	TVP Kushal	
18	ENG22AS018		
19	ENG22AS019	Vellesh	
20	ENG22AS020	Viswesharaj	
21	ENG22AS021	YASHAS. D.G	
22	ENG22AS022	Aagnayee Biswas	
23	ENG22AS023	Vatsal Anmanic	
24	ENG22AS024	Ashwani Choudhary	
25	ENG22AS025	P. Barath	
26	ENG22AS026	Jaiman Khandelwal	
27	ENG22AS027	K.S. Rahul Bhargav	
28	ENG22AS028	K. Vikrad Aditya	
29	ENG22AS029		
30	ENG22AS030	Khyati Choubey	
31	ENG22AS031	Krish Agrawal	

DAYANANDA SAGAR UNIVERSITY

SCHOOL OF ENGINEERING

DEPARTMENT OF AEROSPACE ENGINEERING

VALUE ADDED COURSE

ATTENDANCE SHEET

Topic: CATIA 3DEXPEREINCE

Date:08/05/2024

Course Duration: March-May 2024

Session:After noon Timings:01:50PM-3:50PM Semester/Year:IV/II Class Room:A312 (PD lab)

Academic Year:2023-24

SL NO	USN	Name of the Student	Signature of the Student
32	ENG22AS032	Kshetra Mohan	
33	ENG22AS033	Lavanya Srikanth	
34	ENG22AS034	Mithun P.	
35	ENG22AS035	Mohd. Ashan L. Pathan	
36	ENG22AS036	Mohd Abu Zaid	
37	ENG22AS037	Prachiti Patil	
38	ENG22AS038	Kanishka Purav	
39	ENG22AS039	Qasim. H. S	
40	ENG22AS040	Sharan Murali Raj	
41	ENG22AS041	Sricaxmi Shenoy	
42	ENG22AS042	Udhaya	
43	ENG22AS043	Kashvi Vadi	
44	ENG22AS044	Rahul.R	
45	ENG22AS045	TEJAS.A.S	
46	ENG23AS0001	SANJANA B	
47	ENG23AS1002		
48	ENG23AS1001	Vishesh Soni	
49	ENG23AS1003		

DAYANANDA SAGAR UNIVERSITY

SCHOOL OF ENGINEERING

DEPARTMENT OF AEROSPACE ENGINEERING

VALUE ADDED COURSE

ATTENDANCE SHEET

Topic: CATIA 3DEXPEREINCE Date:15/05/2024

Course Duration: March-May 2024

Session:After noon Timings:01:50PM-3:50PM Semester/Year:IV/II Class Room:A312 (PD lab)

Academic Year:2023-24

SL NO	USN	Name of the Student	Signature of the Student
1.	ENG22AS001	Achyutha. S. Nijigal	
2	ENG22AS002		
3	ENG22AS003	B. Karthik	
4	ENG22AS004	Basavaraja	
5	ENG22AS005	Devindra L.M	
6	ENG22AS006	Jahnavishree S	
7	ENG22AS007	Jaya Shree D.M	Jaya shree D.M
8	ENG22AS008	Khushwanth Gowda P.	
9	ENG22AS009	Kushika. B	Kushika B.
10	ENG22AS010	Nidhish Chandra	
11	ENG22AS011	Nikhil	
12	ENG22AS012	Prajwath Jogi	
13	ENG22AS013	Prathibha H.R	Prathibha H.R.
14	ENG22AS014		
15	ENG22AS015	Shajad	Shajad
16	ENG22AS016	Smruti Rekha Giri	Smruti
17	ENG22AS017	TVP Kushal	
18	ENG22AS018		
19	ENG22AS019	Vikash	
20	ENG22AS020	Viswesh raj	
21	ENG22AS021	YASHAS. D. G	
22	ENG22AS022	Agnayee Biswas	
23	ENG22AS023	Vatsal Anurani	
24	ENG22AS024	Ashwani Chandhary	
25	ENG22AS025	P. Barath	
26	ENG22AS026	Jainam khandelwal	
27	ENG22AS027	K.S. Rahul Bhargav	
28	ENG22AS028	K. Vikrant Adithya	
29	ENG22AS029		
30	ENG22AS030	khyati choubey	khyati
31	ENG22AS031	krish Agrawal	

DAYANANDA SAGAR UNIVERSITY

SCHOOL OF ENGINEERING

DEPARTMENT OF AEROSPACE ENGINEERING

VALUE ADDED COURSE

ATTENDANCE SHEET

Topic: CATIA 3DEXPEREINCE

Date:15/05/2024

Course Duration: March-May 2024

Session:After noon Timings:01:50PM-3:50PM Semester/Year:IV/II Class Room:A312 (PD lab)

Academic Year:2023-24

SL NO	USN	Name of the Student	Signature of the Student
32	ENG22AS032	Keheba Mohan	
33	ENG22AS033	Hemanya Shibanath	
34	ENG22AS034	Mithun P.	
35	ENG22AS035	Mohd. Achan L. Pathan	
36	ENG22AS036	Mohd. Abu Zaid	
37	ENG22AS037	Prachiti Patil	
38	ENG22AS038	Kanishka Purav	
39	ENG22AS039	Qasim. H. S	
40	ENG22AS040	Sharan Murali Raj	
41	ENG22AS041	Srilaxmi Shenoy	
42	ENG22AS042	Udhaya	
43	ENG22AS043	Kashvi Vadi	
44	ENG22AS044	Rahul.R	
45	ENG22AS045	TEJAS. A.S	
46	ENG23AS1001	SANJANA B	
47	ENG23AS1002		
48	ENG23AS1001	Vishesh Soni	
49	ENG23AS1003		

PAVANANDA SAGAR UNIVERSITY

SCHOOL OF ENGINEERING

DEPARTMENT OF AEROSPACE ENGINEERING

VALUE ADDED COURSE

ATTENDANCE SHEET

Topic: CATIA 3DEXPEREINCE Date:22/05/2024

Course Duration: March-May 2024

Session:After noon Timings:01:50PM-3:50PM Semester/Year:IV/II Class Room:A312 (PD lab)

Academic Year:2023-24

SL NO	USN	Name of the Student	Signature of the Student
1)	ENG22AS0001	Achyutha. S. Nijigal	
2)	ENG22AS0002		
3)	ENG22AS0003	B. Karthik	
4)	ENG22AS0004	Basavakiran	
5)	ENG22AS0005	Devindra. L. M	
6)	ENG22AS0006	Jahnavi Shree S	
7)	ENG22AS0007	Jaya Shree D.M	Jaya Shree D.M
8)	ENG22AS0008	Khushwanth Gowda. T.	
9)	ENG22AS0009	Kushika. B	
10)	ENG22AS0010	Nidhish Chandra	
11)	ENG22AS0011	Nikhil	
12)	ENG22AS0012	Prakyath Jogi	
13)	ENG22AS0013	Prathibha H.R.	Prathibha H.R.
14)	ENG22AS0014		
15)	ENG22AS0015	Shaipad	
16)	ENG22AS0016	Smruti Rekha Giri	Smruti
17)	ENG22AS0017	TVP Kushal	
18)	ENG22AS0018		
19)	ENG22AS0019	Vellethi	
20)	ENG22AS0020	Viswesharaj	
21)	ENG22AS0021	YASHAS. D. G	
22)	ENG22AS0022	Aagnayee Biswas	
23)	ENG22AS0023	Vatsal Amrania	
24)	ENG22AS0024	Ashwani Chaudhary	
25)	ENG22AS0025	P. Barath	
26)	ENG22AS0026	Jaiman Khandelwal	
27)	ENG22AS0027	K. S. Rahul Bhargav	
28)	ENG22AS0028	K. Vikrad Adithya	
29)	ENG22AS0029		
30)	ENG22AS0030	Khyati Chawry	
31)	ENG22AS0031	Kavish Agarwal	

DAYANANDA SAGAR UNIVERSITY

SCHOOL OF ENGINEERING

DEPARTMENT OF AEROSPACE ENGINEERING

VALUE ADDED COURSE

ATTENDANCE SHEET

Topic: CATIA 3DEXPEREINCE Date:22/05/2024

Course Duration: March-May 2024

Session:After noon Timings:01:50PM-3:50PM Semester/Year:IV/II Class Room:A312 (PD lab)

Academic Year:2023-24

SL NO	USN	Name of the Student	Signature of the Student
34)	ENG22AS0033	Kshitija Mohan	
35)	ENG22AS0035	Hemanya Shivanthi	
36)	ENG22AS0034	Mithun P	
37)	ENG22AS0035	Mohd. Ashaan L. Pathan	
38)	ENG22AS0036	Mohd. Abu Zaid	
39)	ENG22AS0037	Prachiti Patil	
40)	ENG22AS0038	Kanishka Parav	
41)	ENG22AS0039	Oasim. H. J	
42)	ENG22AS0040	Sharan M. Raj	
43)	ENG22AS0041	Srikanth Phanay	
44)	ENG22AS0042	Udhaya	
45)	ENG22AS0043	Kashvi Vadi	
46)	ENG22AS0044	Rahul. R	
47)	ENG22AS0045	TEJAS. A.S	
48)	ENG23AS1001	SANJANA B	
49)	ENG23AS1002		
50)	ENG23AS1001	Vishesh Soni	
51)	ENG23AS1003		

DAYANANDA SAGAR UNIVERSITY

SCHOOL OF ENGINEERING

Dayananda Sagar University
School of Engineering
Devarakaggalahalli, Harohalli Kanakapura Road, Dt, Ramanagara, Karnataka 562112
Department of Aerospace Engineering

Date: 15.03.2024

Value added course syllabus

Topic: CATIA 3D EXPERIENCE

Introduction to the 3DEXPERIENCE Platform

- Getting Started with the 3DEXPERIENCE Platform
- About the 3DEXPERIENCE Platform
- Standard 3DEXPERIENCE Platform Functionalities
- The Compass
- Roles and Apps

Connecting to the 3DEXPERIENCE Platform

- The 3DPassport
- Logging In to the 3DEXPERIENCE Platform
- Selecting the Login Credentials
- Viewing the Dashboard Page
- Home Page for Native Apps
- Home Page for Web Apps

Browsing the 3DEXPERIENCE Platform

- The 3DEXPERIENCE User Interface
- Creating Dashboards Using 3DDashboards
- Managing Collaborative Spaces Using 3DSpace
- Searching for Objects 3DEXPERIENCE Interface for Design/Engineering
- Introduction to the 3DEXPERIENCE Platform CATIA
- About the 3DEXPERIENCE Platform for CATIA
- Searching the Database • Navigation in CATIA

Part Design

Creating New Content

- Exporting and Importing Data using 3D XML Files
- Creating New PLM Objects
- Inserting Existing Objects
- Inserting an Existing Part or Product
- Creating a New 3D Part
- About 3D Part Creation
- The Part Design Action Bar Tools
- The Sketcher Action Bar Tools

Assembly Design

Creating Engineering Connections

- Engineering Connection – Definition • V5 Constraints vs. the 3DEXPERIENCE Engineering Connections
- How to Create Engineering Connections
- The Engineering Connection Definition Dialog Box

Drafting & Surfacing Creating a Drawing

- Generating a New Drawing • Managing the Drawing Representation • Inserting an Existing Drawing Representation CATIA Generative Wireframe and Surface Essentials • Creating a Wireframe Geometry

- **Introduction to Generative Wireframe and Surface**
- Creating a Reference Geometry
- Creating a 3D Curve
- Managing the Curve Continuity
- Extruding and Revolving a Profile and other surfaces creation Surface Re-limitation and Connection
- Relimiting the Surfaces
- Connecting the Surfaces Smoothly.

DAYANANDA SAGAR UNIVERSITY

SCHOOL OF ENGINEERING

Dayananda Sagar University
School of Engineering
Devarakaggalahalli, Harohalli Kanakapura Road, Dt, Ramanagara, Karnataka 562112
Department of Aerospace Engineering

Date: 30.05.2024

STUDENT FEEDBACK

VALUE ADDED COURSE

Topic: CATIA 3DEXPEREINCE

Name of the Student:Barath P

USN: ENG22AS0025

The 3DEXPERIENCE Platform training was highly engaging and comprehensive. It provided a deep understanding of both the foundational concepts and advanced features of the platform, particularly CATIA for 3D design. The step-by-step approach to navigating the interface, creating dashboards, and utilizing collaborative tools like 3DSpace significantly enhanced my practical skills. The sessions on part and assembly design were particularly valuable, offering hands-on experience with real-world applications. Overall, this value-added course not only enriched my technical capabilities but also empowered me to leverage the 3DEXPERIENCE Platform more effectively in future projects

Name of the Student: Kashvi Vadi Kunal

USN: ENG22AS0043

The Part Design module in the 3DEXPERIENCE training was exceptionally insightful, especially in understanding the fundamentals of creating robust 3D parts. The hands-on experience with the Part Design Action Bar tools and the Sketcher Action Bar provided a deep dive into essential design concepts. I particularly appreciated the detailed guidance on creating new 3D parts and managing existing PLM objects. The intuitive interface and step-by-step exercises made complex concepts like importing data and inserting existing parts much easier to grasp. Overall, this session significantly enhanced my confidence in using CATIA for part design, equipping me with practical skills that I can apply in real-world projects.

Dayananda Sagar University
School of Engineering
Devarakaggalahalli, Harohalli Kanakapura Road, Dt, Ramanagara, Karnataka 562112
Department of Aerospace Engineering

Name of the Student: Yashas DG

USN: ENG22AS0021

The session on assembly design using 3DEXPERIENCE concepts was highly beneficial, especially with its practical approach to creating engineering connections and utilizing 3D parts. The hands-on experience with 3DEXPERIENCE's user-friendly interface for assembly design made it easy to understand complex engineering connections and constraints. I appreciated how the platform's intuitive tools streamlined the process of defining relationships between components, which significantly enhanced my understanding of efficient product assembly. The seamless integration of 3D visualization and real-time collaboration within the platform truly empowered me to design and validate assemblies more effectively, making the learning experience both engaging and insightful.

Name of the Student: Kushika B

USN: ENG22AS0009

"I found the drafting module in the 3DEXPERIENCE training incredibly insightful and engaging. The hands-on approach to generating new drawings and managing drawing representations made complex concepts easy to grasp. The step-by-step guidance on utilizing the drafting tools within the 3DEXPERIENCE environment allowed me to build confidence in creating precise and professional technical drawings. I particularly appreciated how the platform's intuitive interface streamlined the entire drafting process, making it both efficient and enjoyable. This training not only enhanced my drafting skills but also deepened my understanding of integrating 3D models into comprehensive technical documentation, which is crucial for real-world engineering applications."

Name of the Student: Rahul Bhargav

USN: ENG22AS0027

The training on Surfacing using 3DEXPERIENCE concepts was highly engaging and beneficial. The use of CATIA's Generative Wireframe and Surface Design tools provided us with a clear understanding of complex surface modeling techniques. The hands-on exercises, like creating and manipulating 3D curves and surface re-limitation, were particularly effective in demonstrating how to achieve smooth and continuous connections between surfaces. It was impressive to see how the platform simplifies the surfacing process, making it more intuitive and efficient. Overall, this module significantly enhanced our skills in surface modeling, leaving us confident to apply these techniques in real-world projects.

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SCHOOL OF

3D V+R

3DEXPERIENCE

Certificate of Completion

2023-2024

This certificate is awarded by

Department of Aerospace Engineering

01 JUNE 2024

This certificate thereby is granted to

ACHYUTHA S NIJIGAL

for successfully completed the Value added course on Catia 3D Experience from 19/03/2024-30/05/2024

Chairman
Dept. of Aerospace Engineering

Dayananda Sagar University
School of Engineering
Devarakaggalahalli, Harohalli Kanakapura Road, Dt, Ramanagara, Karnataka 562112
Department of Aerospace Engineering

Date: 05.06.2024

Action taken Report on value added course

Topic: Catia 3D Experience

Sl No	Comments /Modules	Action Taken
1	Drafting Module Enhancements	The Drafting Modules enhancements are taken care by providing the students hands-on experience on such as the integration of GD&T (Geometric Dimensioning and Tolerancing) and creating multi-sheet drawings for complex assemblies.
2	Surfacing Module Improvements	The Surfacing module will be enhanced to cover advanced surfacing strategies, including the creation of complex freeform surfaces, surface blending, and repair techniques for surface continuity.
3	Part Design Module	In this part design module the concepts like Design for Manufacturability (DFM) and Design for Assembly (DFA) principles will be addressed.
4	Assembly Design and Engineering	In this Assembly Design and Engineering the advanced topics like dynamic simulations, kinematic analysis will be incorporated.

DSU/COPS/2024

16-02-2024

STUDENT CIRCULAR

College of Pharmaceutical Sciences, DSU is offering following Value added courses and the students pursuing B. Pharm/M. Pharm/Pharm. D are requested to avail this opportunity and register their names for the courses in the academic year 2023-24.

1.	Pharmaceutics	Drug Targeting Strategies
		Advanced Pharmaceutical Product Development
2.	Pharmaceutical Chemistry	Green Chemistry-Approaches and Applications
3.	Pharmacognosy	Plant Tissue Culture
4.	Pharmacology	Pre-Clinical Research in Neuropharmacology
5.	Pharmacy Practice	Health Education and First aid

16/2/24
Swayam Co-Ordinator

Dr. N. M. Raghavendra 16/2/24
PRINCIPAL
College of Pharmaceutical Sciences
Dayananda Sagar University
Harohalli

Dayananda Sagar University Bengaluru

Value Added Courses

Certificate Programs

College of Pharmaceutical Sciences, DSU

15th Mar- 5th May 2024

Certificate Program 1

Drug Targeting Strategies

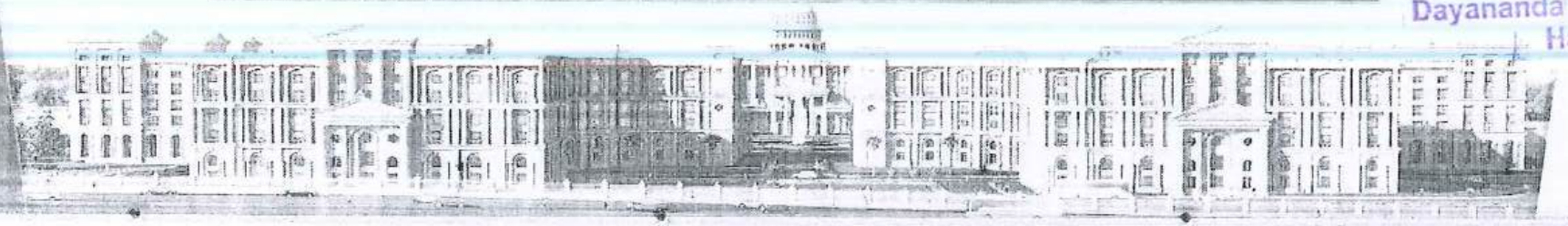
Click Here for Course Content

Limited Seats

Last Date for registration: 15th Mar 2024

Click Here to Register

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College of Pharmaceutical Sciences
Dayananda Sagar University
Harohalli



COLLEGE OF
PHARMACEUTICAL SCIENCES

DRUG TARGETING STRATEGIES

Student Enrolment List

Sl.No	USN	Name of the student	Program	Year/Sem
1	HSC21PH0060	Raghav S Sarode	B.Pharm	6th sem
2	HSC21PH0028	Faishal Khan	B.Pharm	6th sem
3	HSC21PH0052	Payal Ashwani	B.Pharm	6th sem
4	HSC23MPS006	Mohamed Yousuf Aslam S	M.Pharm	1st sem
5	HSC23MPS010	Yashaswini G	M.Pharm	1st sem
6	HSC20PH0022	Dheerathi T	B.Pharm	8th sem
7	HSC21PH0006	Aman Anand	B.Pharm	6th sem
8	HSC21PH0018	Danish Amin Wasil	B.Pharm	6th sem
9	HSC21PH0021	Deepak Kumar Verma	B.Pharm	6th sem
10	HSC20PH0052	Niveditha C	B.Pharm	8th sem
11	HSC21PD0024	Riyaa Reddy	Pharm D	3rd year
12	HSC21PH0074	Shraddha Ballur	B.Pharm	6th sem
13	HSC23MPL003	Darshan Gowda BS	M.Pharm	1st sem
14	HSC23MPS007	Soham Kulkarni	M.Pharm	1st sem
15	HSC22MPS002	Basavaraj N Kenchappanavar	M.Pharm	4th sem
16	HSC21PH0046	Manoj S	B.Pharm	6th sem
17	HSC21PH0075	Skandanaa	B.Pharm	6th sem
18	HSC23MPS014	Azra Mariam	M.Pharm	4th sem
19	HSC23MPL002	Ankush	M.Pharm	1st sem
20	HSC23MPS015	Lakshmikanth Rao Deshpande	M.Pharm	1st sem
21	HSC21PD0023	Akshaya R	Pharm D	3rd year
22	HSC21PH0025	Dileep Kumar B	B.Pharm	6th sem
23	HSC23MPS005	Manoj Kumar N	M.Pharm	1st sem

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24	HSC23MPS008	Spoorthi RS	M.Pharm	1st sem
25	HSC23MPS001	Guggilapu Sri Sai Dattatreya	M.Pharm	1st sem
26	HSC21PH0006	Aman Anand	B.Pharm	6th sem
27	HSC21PH0033	Hanuman Ram Choudhary	B.Pharm	6th sem
28	HSC21PH0017	Chhaya Yadav	B.Pharm	6th sem

Ruchi 6/6/24

Signature of teachers in charge

Signature

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COLLEGE OF
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DRUG TARGETING STRATEGIES

Course Objectives

To impart knowledge on the fundamentals and concept of drug targeting
To provide knowledge on various targeting techniques
To understand the need of drug targeting
To apply the knowledge of drug targeting approaches in the pharmaceutical industry

Course Outcomes

Understand the fundamentals of drug targeting
Learn various drug targeting approaches
Know the advances in drug targeting

Course and Syllabus — 30 Hours

Module-I — **7 hours**

Drug targeting- Introduction and concept

Introduction, definition, advantages, disadvantages, rationale of drug targeting, classification- passive targeting, inverse targeting, active targeting- ligand mediated targeting and physical targeting, dual targeting. Basics of receptors and ligands.

Module-II — **8 hours**

Nanocarriers for drug targeting

Introduction, ideal characteristics of carriers. Preparation, evaluation and application of polymeric nanoparticles and liposomes. Basics of monoclonal antibodies.

Module-III — **7 hours**

Biodistribution and pharmacokinetics of nanocarriers

Absorption kinetics and bioavailability, kinetics of pharmacologic response, relationship between volume of distribution, drug binding and elimination. Guidelines for human pharmacokinetics studies.

Module-IV — **8 hours**

Brain targeting

Invasive strategies- hyperosmolar blood-brain barrier disruption, intracerebral injection, intracerebral implants.

Non-invasive strategies- use of endogenous transporters, prodrugs and chemical drug delivery systems, nanoparticles, liposomes, vector mediated drug delivery

Reference Books

1. Y W. Chien, Novel Drug Delivery Systems, 2nd edition, revised and expanded, Marcel Dekker, Inc., New York, 1992.
2. S.P.Vyas and R.K.Khar, Controlled Drug Delivery - Concepts and Advances, Vallabh Prakashan, New Delhi, First edition 2002.
3. N.K. Jain, Controlled and Novel Drug Delivery, CBS Publishers & Distributors, New Delhi, First edition 1997 (Reprint in 2001).

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Drug Targeting Strategies

Topics to be covered by teacher incharge

Name of the teacher	Topics	Contact hrs
Dr. Wilson	**Brain targeting:** Non-invasive strategies- use of endogenous transporters, prodrugs and chemical drug delivery systems, nanoparticles, liposomes, vector mediated drug delivery	4
Dr. Vanaja & Mr. Sagar	**Biodistribution and pharmacokinetics of nanocarriers:** Absorption kinetics and bioavailability, kinetics of pharmacologic response, relationship between volume of distribution, drug binding and elimination. Guidelines for human pharmacokinetics studies.	5+2
Dr. Sajeev & Ms. Arfa	**Drug targeting- Introduction and concept** Introduction, definition, advantages, disadvantages, rationale of drug targeting, classification- passive targeting, inverse targeting, active targeting- ligand mediated targeting and physical targeting, dual targeting. Basics of receptors and ligands.	5+2
Dr. Josephine & Dr. Arfa	**Nanocarriers for drug targeting** Introduction, ideal characteristics of carriers. Preparation, evaluation and application of polymeric nanoparticles and liposomes. Basics of monoclonal antibodies.	5+3
Ms. Seema	**Brain targeting:** Invasive strategies- hyperosmolar blood-brain barrier disruption, intracerebral injection, intracerebral implants.	4

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26	27-04-2024	Dr. Arfa	Mr. Sagar
27	29-04-2024	Dr. Arfa	Mr. Sagar
28	30-04-2024	Mr. Sagar	Ms. Seema
29	02-04-2024	Mr. Sagar	Ms. Seema
30	03-04-2024	Mr. Sagar	Ms. Seema

6/6/24

Signature of teachers in charge

Signature of HOD

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COLLEGE OF PHARMACEUTICAL SCIENCES

Drug Targeting Strategies

Attendance Summary

S.NO.	Name of the student	Ongoing program in DSU	Sem/year	18-03-2024	19-03-2024	20-03-2024	21-03-2024	22-03-2024	23-03-2024	25-03-2024	26-03-2024	27-03-2024	28-03-2024	30-03-2024	08-04-2024	10-04-2024	12-04-2024	13-04-2024	15-04-2024	16-04-2024	17-04-2024	18-04-2024	19-04-2024	22-04-2024	23-04-2024	24-04-2024	25-04-2024	26-04-2024	27-04-2024	29-04-2024	30-04-2024	04-02-2024	04-03-2024
1	Raghav S Sarode	B.Pharm	6th sem /3rd year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
2	Faishal Khan	B.Pharm	6th semester	1	2	Ab	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
3	Payal Ashwani	B.Pharm	6th sem 3rd year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
4	Mohamed Yousuf Aslam S	B.Pharm	1st sem /1st year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
5	Yashaswini G	B.Pharm	1st sem /1st year	1	2	3	4	Ab	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
6	Dheerathi T	B.Pharm	8th sem	1	2	3	4	Ab	Ab	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
7	Aman Anand	B.Pharm	6th sem	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
8	Danish Amin Wasil	B.Pharm	6th semester - 3rd year	1	2	3	4	5	6	7	8	9	10	Ab	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
9	Deepak Kumar Verma	B.Pharm	6th semester/3rd year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
10	Niveditha.C	B.Pharm	8th sem/4th year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
11	Riyaa Reddy	Doctor Of Pharmacy (Pharm D)	3rd Year	1	2	Ab	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
12	Shraddha Ballur	B.Pharm	6th sem	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
13	Darshan Gowda BS	M.Pharm (Pharmacology)	1st semester and 1st year	1	2	3	4	Ab	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
14	Soham Kulkarni	M.Pharm (Pharmaceutics)	1st semester	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
15	Basavaraj N Kenchappanavar	M.Pharm (Pharmaceutics)	M.Pharm 4th Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

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16	Manoj S	B.Pharm	6th sem	1	2	3	4	Ab	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	
17	Skandanaa	B.Pharm	6th sem, 3rd year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
18	Azra Mariam	M.Pharm (Pharmacology)	1st year	1	2	3	4	5	6	7	Ab	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	
19	Ankush	M pharmacy	1st sem	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
20	Lakshmikanth Rao Deshpande	M.Pharm (Pharmaceutics)	1st year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
21	Akshaya R	Pharm D	3rd year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
22	Dillep Kumar B	B Pharm	3rd year, 6th sem	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
23	Manoj Kumar N	B.Pharm	1st sem Mpharm	1	2	3	4	5	Ab	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	
24	Spoorthi RS	M.Pharm (Pharmaceutics)	1st year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
25	Guggilapu Sri Sai Dattatreya	M.Pharm (Pharmaceutics)	1st semester	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
26	Aman Anand	B Pharm	6th sem / 3rd year	1	2	3	4	5	6	7	8	Ab	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	
27	Hanuman Ram Choudhary	B Pharm	6th sem	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
28	Chhaya Yadav	B Pharm	3rd year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	

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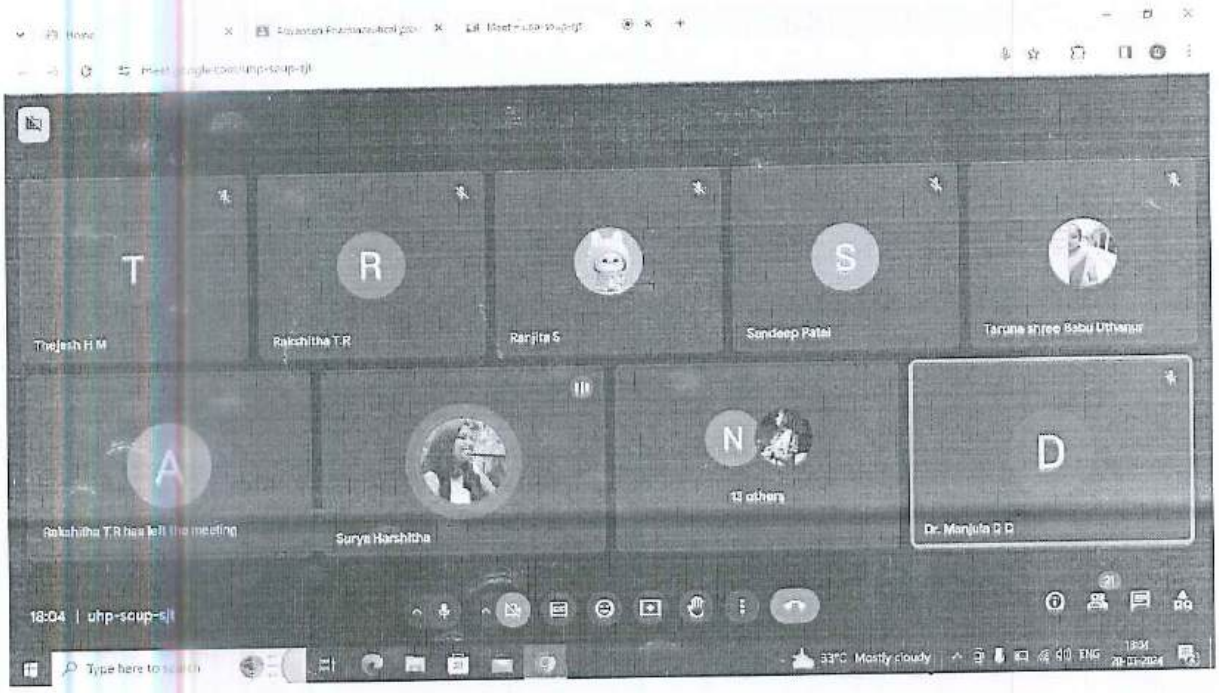
Drug Targeting Strategies (Feedback)

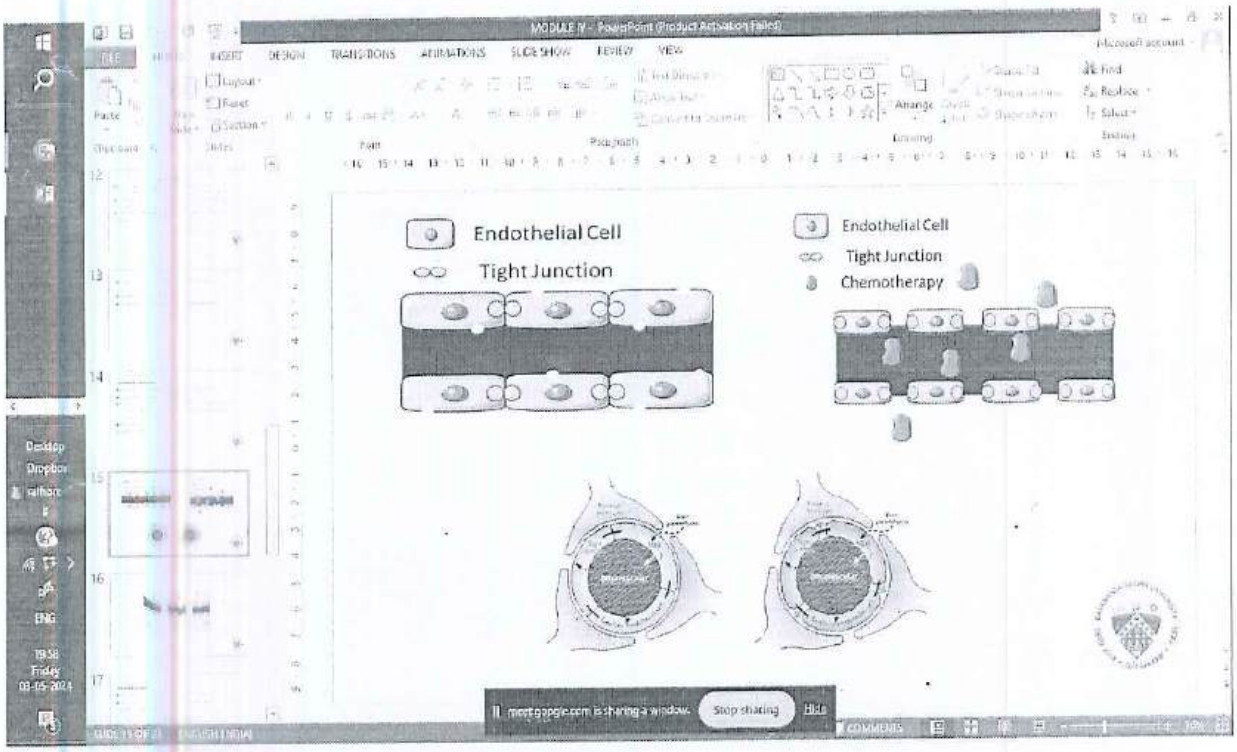
Timestamp	Date	Student Name	Email Address	Mobile no. (10digits)	Ongoing program in DSU	Semester/Year	USN no.	How effectively did you meet this learning goal in this course? Please rate on a scale from 1 to 5.	How useful was this course to you?	Was the course well organized	Would you suggest your friends/peers to take up this course in the next schedule?	Overall, how would you describe the quality of the instructions in this course	Would you like to provide any her comments about the course?
5-29-2024 15:56:39	29-05-2024	Raghav S Sarode	raghavssarode@gmail.com	9686668884	B.Pharm	6th sem /3rd year	HSC21PH0060	5	4	5	Yes	Good	No
5-29-2024 15:59:17	29/05/2024	Faishal Khan	faixshal09@gmail.com	9480167155	B.pharm	6th semester	HSC21PH0028	4	4	5	Yes	It was so nice	Faculties were great
5-29-2024 15:59:19	29/05/2024	Payal Ashwani	Payalashwani1@gmail.com	7892645961	B.pharm	6th sem 3rd year	HSC21PH0052	5	5	5	Yes	informative course and helped us learn a lot as we could	No
5-29-2024 15:59:21	29/05/2024	Mohamed Yousuf Aslam S	mohamedaslam1519@gmail.com	9344826225	M pharm	1st sem /1st year	HSC23MPS006	5	5	5	Yes	Nil	No
5-29-2024 16:01:30	29/5/2024	Yashaswini G	yashaswini141201@gmail.com	9620900430	Swayam courses	1St sem /1st year	HSC23MPS010	5	5	4	Yes	Good	Yes
5-29-2024 16:02:16	29/05/2024	DHEERATHI T	dheerathi0802@gmail.com	7676642264	B PHARMACY	8th sem	HSC20PH0022	5	5	5	Yes	Excellent	No
5-29-2024 16:02:40	28/05/2024	Aman Anand	amanji6202@gmail.com	6202577155	B.pharma	6th sem	Hsc21ph0006	5	5	5	Yes	precise knowledge and advancement in study.	sharp knowledge and I want these types of course more.
5-29-2024 16:05:04	29-05-2024	Danish Amin Wasil	aeesaameen@gmail.com	6005751237	B pharmacy	6th semester - 3rd year	HSC21PHOO18	5	5	5	Yes	for this course was excellent, Everything was well organised	course were generally positive. She appreciated the
5-29-2024 16:05:25	29/05/2024	Deepak Kumar Verma	deepakver960@gmail.com	9608180638	B.Pharm	6th semester/3rd year	HSC21PH0021	5	5	5	Yes	Very vast knowledge for upcoming courses	I want more these type of course
5-29-2024 16:14:48	29/05/2024	Niveditha.C	nivedithagowda0011@gmail.com	7975466418	Bpharm	8	HSC20PH0052	5	5	5	Yes	Very information about various drug targeting strategies	
5-29-2024 17:10:58	29/05/2024	Riyaa Reddy	riyaareddy121@gmail.com	9029152130	Doctor Of Pharmacy (Pharm D)	3rd Year	HSC21PD0024	4	4	5	Yes	& teachers gave a good explanation about each topic they	The course is useful in the future advancements
5-29-2024 17:30:37	99.05.2024	Shraddha Ballur	shraddhaballur@gmail.com	9400233490	B pharm	6th sem	HSC21PH0074	5	5	5	Yes	lot of knowledge and insights on Targeted drug delivery and	
5-29-2024 17:37:39	29-05-2024	DARSHAN GOWDA B S	road, Addiganahalli, Rajankunte, Bangalore, Karnataka	7019064521	M.Pharm in Pharmacology	1st semester and 1st year	HSC23MPL003	4	4	5	Yes	Exceptional	No
5-29-2024 17:45:29	29/05/24	Soham Kulkarni	kulkarnisoham254@gmail.com	7019290971	M pharm, pharmaceutics	1st semester	HSC23MPS007	5	5	5	Yes	100	No
5-29-2024 18:28:20	29/05/2024	Basavaraj N Kenchappanavar	basavarajnk001@gmail.com	8904521949	M Pharm	4	HSC22MPS002	5	5	5	Yes	Good	No
5-29-2024 18:31:58	29/05/2024	Manoj S	manojs51201@gmail.com	9886750280	Drug targetting strategies	6th sem	HSC21PH0046	4	5	4	Yes	Good	Very useful
5-29-2024 18:51:15	29-05-2024	Skandanaa	skandanaa220501@gmail.com	9353593433	B.Pharm.,	6th sem, 3rd year	HSC21PH0075	5	5	5	Yes	explained were very interesting and it was relatable to the	It was very useful and helped to increase my knowledge.
5-29-2024 19:14:46	29/07/2024	Azra Mariam	azra mariam22@gmail.com	9036632972	Mpharm	1st year	HSC23MPS014	5	5	5	Yes	Good	None
5-29-2024 20:38:40	29/05/2024	Ankush	ankushkoti18@gmail.com	9611113481	M pharmacy	1st sem	HSC23MPL002	5	5	5	Yes	It was good	Totally it was best to learn

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5-29-2024 21:40:38	29/5/24	Lakshmikanth Rao Deshpande	luckydeshpandercr@gmail.com	8073196161	M pharm (pharmaceutics)	1st year	Hsc23mps015	5	5	5	Yes	Good	Good
5-30-2024 9:43:51	30 May 2024	Akshaya R	akshayalydi@gmail.com	82982 94432	Pharm D	3rd year	HSC21PD0023	4	5	4	Yes	It was very useful and effectively enhancing us to learn more	good so that everyone can be available at that time
5-30-2024 10:20:16	30/05/2024	DILEEP KUMAR B	dk244130@gmail.com	7338579894	B Pharm	3rd year, 6th sem	HSC21PH0025	3	3	4	Yes	Nice	It could have been better
5-30-2024 10:25:32	30/05/2024	Manoj Kumar N	manojkumar.n412@gmail.com	8546918081	Drug targeting strategies	1st sem Mpharm	HSC23MPS005	4	3	4	Yes	It was excellent	No
5-30-2024 23:10:18	30-5-2024	Spoorthi RS	rsspoorthi007@gmail.com	9741411917	M pharm	1st year	HSC23MPS008	5	5	4	Yes	Good	nothing
5-30-2024 23:10:24	30/05/2024	Guggilapu Sri Sai Dattatreya	srisaidattatreyaguggilapu@gmail.com	9515658456	M Pharmacy	1st semester	HSC23MPS001	4	5	4	Yes	Good	-
6-10-2024 10:40:05	10/06/24	Aman Anand	amanji6202@gmail.com	6202577155	B.pharma	6th sem / 3rd year	HSC21PH0006	5	5	5	Yes	Very learning and knowledgeable	Every sem we want this type of valueable courses
6-10-2024 10:40:18	10/6/24	Hanuman Ram Choudhary	hanumanrc2002@gmail.com	9448256867	B.Pharm	6th sem	HSC21PH0033	5	5	5	Yes	Good	Good
6-10-2024 10:40:28	10/06/2024	Chhaya Yadav	chhaya77890@gmail.com	8618286530	B pharm	3rd year	HSC21PH0017	5	4	4	Yes	Excellent	Good

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DAYANANDA SAGAR UNIVERSITY

SCHOOL OF HEALTH SCIENCES

COLLEGE OF PHARMACEUTICAL SCIENCES

HAROHALLI, KANAKAPURA ROAD, KARNATAKA 562112, BHARAT

COLLEGE OF PHARMACEUTICAL SCIENCES

Certificate

This is to Certify that Mr./ Ms. **Faishal Khan**

has successfully completed a 30 hours value added course on

"Drug Tageting Strategies"

From 18th March to 3rd May 2024

Conducted by Department of Pharmaceutics, College of Pharmaceutical Sciences,
Dayananda Sagar University, Bengaluru

Dr. N.M.Raghavendra
Principal, COPS, DSU

Dr. Pushpa Sarkar
Dean, SHS, DSU

Dr. C. Puttamadappa
Registrar, DSU

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Harohalli

DAYANANDA SAGAR UNIVERSITY

SCHOOL OF HEALTH SCIENCES

COLLEGE OF PHARMACEUTICAL SCIENCES

HAROHALLI, KANAKAPURA ROAD, KARNATAKA 562112, BHARAT

COLLEGE OF PHARMACEUTICAL SCIENCES

Certificate

This is to Certify that Mr./ Ms. **Raghav S Sarode**
has successfully completed a 30 hours value added course on

"Drug Tageting Strategies"

From 18th March to 3rd May 2024

Conducted by Department of Pharmaceutics, College of Pharmaceutical Sciences,
Dayananda Sagar University, Bengaluru

Dr. N.M.Raghavendra	Dr. Pushpa Sarkar	Dr. C. Puttamadappa
Principal, COPS, DSU	Dean, SHS, DSU	Registrar, DSU

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Dayananda Sagar University Bengaluru

Value Added Courses

Certificate Programs

College of Pharmaceutical Sciences, DSU

15th Mar- 5th May 2024

Certificate Program 2

Advanced Pharmaceutical Product Development

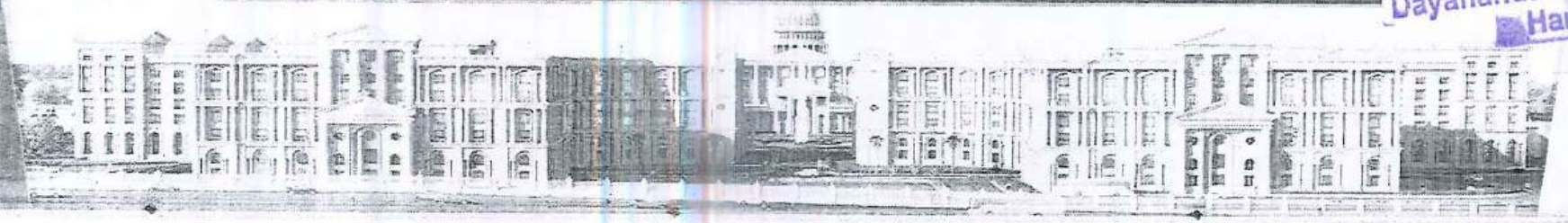
Click Here for Course Content

Limited Seats

Last Date for registration: 15th Mar 2024

Click Here to Register

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COLLEGE OF
PHARMACEUTICAL SCIENCES

ADVANCED PHARMACEUTICAL PRODUCT DEVELOPMENT

Student Enrolment List

Sl.No	USN	Name of the student	Program	Year/Sem
1	HSC20PH0003	Abhilash A Yadav	B.Pharm	8th sem
2	HSC23MPS010	Yashashwini G	M.Pharm	1st sem
3	HSC23PD0026	Nikitha B	Pharm D	1st year
4	HSC20PH0071	Sharavana BN	B.Pharm	8th sem
5	HSC21PH0029	Mohammed Faizan Raza	B.Pharm	6th sem
6	HSC21PH0082	Suresh	B.Pharm	6th sem
7	HSC23PD0023	Manya D	Pharm D	1st year
8	HSC21PH0084	Taruna Shree B Uthanur	B.Pharm	6th sem
9	HSC20PH0042	Manisha Rajou	B.Pharm	8th sem
10	HSC21PH0003	Lakshmi Patel	B.Pharm	8th sem
11	HSC23PD0013	Ariba Imran	Pharm D	1st year
12	HSC23MPS014	Azra Mariam	M.Pharm	1st year
13	HSC21PD0018	Nanditha Nair	Pharm D	3rd year
14	HSC21PH0063	Rakshitha TR	B.Pharm	6th sem
15	HSC23PD0016	Arundhathi Raj AR	Pharm D	1st year
16	HSC21PH0031	Goutham M	B.Pharm	6th sem
17	HSC20PH0076	Surya Harshitha S	B.Pharm	8th sem
18	HSC21PH0018	Danish Amin	B.Pharm	6th sem
19	HSC21PH0042	Manish Rajou	B.Pharm	8th sem
20	HSC21PH0058	Rachana Vijeta M	B.Pharm	6th sem
21	HSC18PD0009	K Jeevan Basappa	Pharm D	6th sem
22	HSC21PH0051	Nithya Shambhu Avadhani	B.Pharm	6th sem
23	HSC21PH0063	Rakshitha TR	B.Pharm	6th sem
24	HSC21PH0059	Rachita Naik	B.Pharm	6th sem
25	HSC21PH0080	Supritha KM	B.Pharm	6th sem

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26	HSC21PH0071	Sanchit Ashok Bhavikeri	B.Pharm	6th sem
27	HSC21PH0020	Darshan S	B.Pharm	6th sem
28	HSC21PH0015	Charan Gowda	B.Pharm	6th sem
29	HSC21PH0065	Ranjitha S	B.Pharm	6th sem
30	HSC21PH0085	Thejas HM	B.Pharm	6th sem

6/6/24

Signature of teachers in charge

Signature

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COLLEGE OF
PHARMACEUTICAL SCIENCES

Drug Targeting Strategies and Advanced Pharmaceutical Product Development

Time Table

Sl.No.	Date	Adv Pharm Product Dev	Drug Targeting Strategies
		6.30 – 7.30 PM	7.45 – 8.45 PM
		Teacher Incharge	Teacher Incharge
1	18-03-2024	Dr. Manjula D	Dr. B Wilson
2	19-03-2024	Dr. Manjula D	Dr. B Wilson
3	20-03-2024	Dr. Manjula D	Dr. B Wilson
4	21-03-2024	Dr. Manjula D	Dr. B Wilson
5	22-03-2024	Dr. Manjula D	Dr. B Wilson
6	23-03-2024	Ms. Seema	Dr. Josephine
7	25-03-2024	Ms. Seema	Dr. Josephine
8	26-03-2024	Mr. Sagar	Dr. Josephine
9	27-03-2024	Mr. Sagar	Dr. Josephine
10	28-03-2024	Mr. Sagar	Dr. Josephine
11	30-03-2024	Dr. Kranthi	Dr. Arfa
12	08-04-2024	Dr. Kranthi	Dr. Arfa
13	10-04-2024	Dr. Kranthi	Dr. Arfa
14	12-04-2024	Dr. Kranthi	Dr. Sajeev
15	13-04-2024	Dr. Kranthi	Dr. Sajeev
16	15-04-2024	Dr. Richa	Dr. Sajeev
17	16-04-2024	Dr. Richa	Dr. Sajeev
18	17-04-2024	Dr. Richa	Dr. Sajeev
19	18-04-2024	Dr. Richa	Dr. Arfa
20	19-04-2024	Dr. Richa	Dr. Arfa
21	22-04-2024	Dr. Arfa	Dr. Vanaja
22	23-04-2024	Dr. Arfa	Dr. Vanaja
23	24-04-2024	Dr. Arfa	Dr. Vanaja
24	25-04-2024	Mr. Sagar	Dr. Vanaja
25	26-04-2024	Mr. Sagar	Dr. Vanaja

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ADVANCED PHARMACEUTICAL PRODUCT DEVELOPMENT

Course Obectives

The candidate must be able to when they have finished the advanced pharmaceutical product development course:

1. To prepare for further study in the field and to explicate the principles of preformulation and stability studies in the development of dosage forms.
2. Identify the elements that influence the stability of pharmaceutical products.
3. Preformulations- Role and Importance in the Development of New Drugs, as Well as the Steps Involved in Its Design

Course Outcomes

Acquire knowledge on various aspects related to development, manufacturing and evaluation of pharmaceuticals.

1. Recognize the significance of pharmaceutical process design.
2. Examine the findings of the evaluation and make recommendations for pharmaceutical product stabilizing agents.
3. Discuss quality concerns and offer the answers required to produce stable products.

Course and syllabus 30 Hours

Module 1: Fundamental Aspects of Product Development: **10 hours**

Studies of wettability, solubility, dissolution, partition and absorption, surfactant and hydrocolloids and their role in drug delivery and targeting.

Module 2: Formulation Considerations: **10 hours**

Preformulation studies in development of solid, oral liquid and parenteral dosage forms; solubility, dissolution rate, Pk_a, partition coefficient, stability etc., In-Vivo evaluation techniques. Pre- formulation studies, Pediatric & geriatric aspects of formulation.

Module 3: Stability Studies: 10 hours

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Basic concepts, consideration of physical and chemical stability studies, determination of shelf life, problems encountered during storage of dosages forms.

Physicochemical and biological factors affecting stability of drugs, Methods to find out degradation pathways, Determination of shelf life by accelerated stability testing, Overages and ICH guidelines.

References:

Pharmaceutical Process Validation by R.Nash and Wachter, Volume 129, Latest edition, Marcel Dekker Inc, New York.

Niazi SK, Niazi S. Handbook of Preformulation: Chemical, Biological and Botanical Drugs. CRC Press; 2007.

Chilukuri DM, Sunkara G, Young D. Pharmaceutical Product Development: In Vitro-In Vivo Correlation. Informa Healthcare; 2007.

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Advanced Pharmaceutical Product Development
Topics to be covered by teacher incharge

Name of the teacher	Topics	Contact hrs
Ms. Seema & Mr. Sagar	**Formulation Considerations:** Preformulation studies in development of solid, oral liquid and parenteral dosage forms; solubility, dissolution rate, Pk_a, partition coefficient, stability etc	2+3
Dr. Manjula	**Stability Studies:** Physicochemical and biological factors affecting stability of drugs, Methods to find out degradation pathways, Determination of shelf life by accelerated stability testing.	5
Dr. Kranthi	**Formulation Considerations** In-Vivo evaluation techniques. Pre- formulation studies, Pediatric & geriatric aspects of formulation.	5
Dr. Richa	**Stability Studies:** Basic concepts, consideration of physical and chemical stability studies, determination of shelf life, problems encountered during storage of dosages forms. Overages and ICH guidelines.	5
Dr. Arfa & Mr. Sagar	**Fundamental Aspects of Product Development:** Studies of wettability, solubility, dissolution, partition and absorption, surfactant and hydrocolloids and their role in drug delivery and targeting.	10

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Attendance Summary
Advanced Product Development (Value added Course)

S.No.	Name of the student	Ongoing Program in DSU	Sem/year	18-03-2024	19-03-2024	20-03-2024	21-03-2024	22-03-2024	23-03-2024	25-03-2024	26-03-2024	27-03-2024	28-03-2024	30-03-2024	08-04-2024	10-04-2024	12-04-2024	13-04-2024	15-04-2024	16-04-2024	17-04-2024	18-04-2024	19-04-2024	22-04-2024	23-04-2024	24-04-2024	25-04-2024	26-04-2024	27-04-2024	29-04-2024	30-04-2024	04-02-2024	04-03-2024
1	Abhilash Yadav	B.Pharm	8th semester	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
2	Yashaswini G	B.Pharm	1St sem /1st. Year	1	2	3	4	5	Ab	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
3	Nikitha.B	Pharm D	1st Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
4	Sharavana BN	B.Pharm	8th	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
5	GS Mohammed Faizan Raza	B.Pharm	6th sem /3rd Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
6	Suresh	B.Pharm	6th sem	1	2	3	4	5	6	7		Ab	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
7	Manya.D	Pharm D	1st year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Ab	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
8	Taruna Shree B Uthanur	B.Pharm	6th semester/ 3rd year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
9	Manisha Rajou	B.Pharm	8 th semester	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
10	Lakshmi Patel	B.Pharm	8th sem / 4th Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
11	Ariba Imran	Pharm D	3rd Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
12	Azra Mariam	M.Pharm (Pharmacology)	1st Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
13	Nanditha Nair	Pharm D	3rd Year	1	2	3	4	5	Ab	6	7	8	9	Ab	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
14	Rakshitha T R	Pharm D	6th semester / 3rd Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
15	Arundhathi Raj AR	Pharm D	1st Year	1	2	3	4	5	6	Ab	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
16	Goutham M	B pharm	6th semester - 3rd Year	1	2	3	4	5	6	7	Ab	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29

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17	Surya Harshitha S	B.Pharm	3th semester	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
18	Danish Amin	B.Pharm	6th semester - 3rd Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
19	Manisha Rajou	B.Pharm	8 th semester	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
20	Rachana vijeta M	B.Pharm	6th sem / 3rd Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Ab	Ab	17	18	19	20	21	22	23	24	25	26	27	28
21	K Jeevan Basappa	B.Pharm	6th sem	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
22	Nitya Shambhu Avadhani	B.Pharm	3rd Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	Ab	19	20	21	22	23	24	25	26	27	28	29
23	Rakshitha T R	B.Pharm	6th semester/3 rd year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
24	Rachita naik	B.Pharm	6th sem	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Ab	17	18	19	20	21	22	23	24	25	26	27	28	29
25	Supritha K M	B.Pharm	6th semester	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

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Advanced Pharmaceutical Product Development

(Feedback)

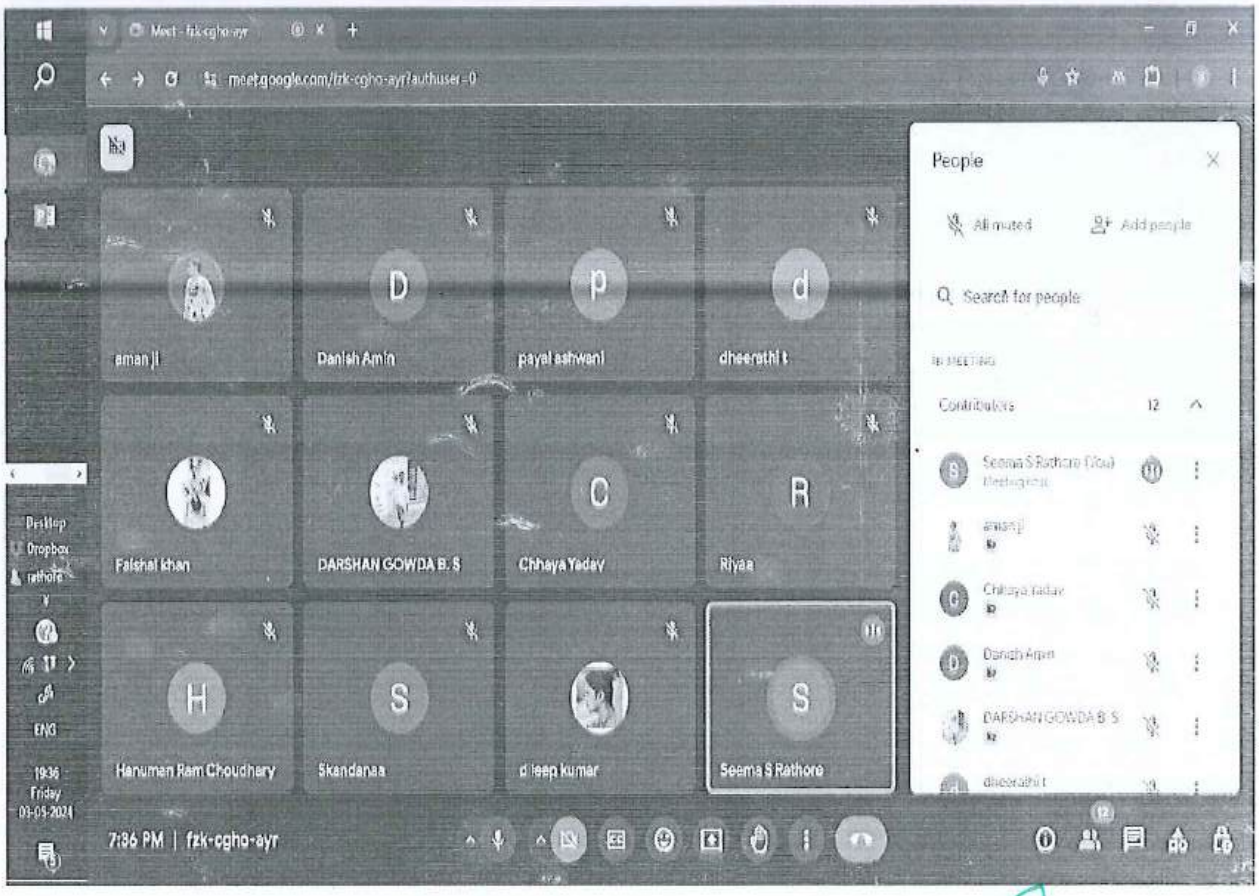
Timestamp	Date	Student Name	Email Address	Mobile no. (10digits)	Ongoing program in DSU	Semester/Year	USN no.	How effectively did you meet this learning goal in this course? Please rate on a scale from 1 to 5	How useful was this course to you?	Was the course well organized	Would you suggest your friends/peers to take up this course in the next schedule?	Overall, how would you describe the quality of the instructions in this course	Would you like to provide any her comments about the course?
5-29-2024 16:00:49	29/5/2024	ABHILASH A YADAV	abhilashyadav6838@gmail.com	7483206838	B.pharm	8th semester	HSC20PH0003	5	5	5	Yes	Well and good.	The course was very effective and we have got good exposure.
5-29-2024 16:02:48	29/5/2024	Yashaswini G	yashaswini141201@gmail.com	9620900430	Swayam courses	1St sem / 1st. Year	HSC23MPS010	5	4	4	Yes	Good	Yes
5-29-2024 16:02:54	29-5-24	Nikitha.B	nikithabasavaraju349@gmail.com	9353237465	Pharm D	1st year	HSC23PD0025	4	4	5	Yes	Briefly explained	No
5-29-2024 16:04:12	29/05/2002	SHARAVANA BN	sharavana.bn002@gmail.com	8867666414	B.pharm	8th	HSC20PH0071	5	4	4	Yes	A career driven course those who are in final year	Really a nice experience in recollection of all the things what we had
5-29-2024 16:08:55	29/5/2024	GS MOHAMMED FAIZAN RAZA	mf274476@gmail.com	9986176207	B pharmacy	6th sem /3rd year	HSC21PH0029	5	5	5	Yes	It was informative.	The course timings was difficult to manage.
5-29-2024 16:09:36	29/05/2024	Suresh	sureshrathod6360@gmail.com	6360771449	Bpharmacy	6th sem	Hsc21ph0062	5	5	5	Yes	Good	No comments
5-29-2024 16:48:52	29/05/2024	Manya.D	d78642066@gmail.Com	9148311279	Pharm D	1st year	HSC23PD0023	5	5	5	Yes	It was an interesting topic	
5-29-2024 17:05:40	29/05/2024	Taruna Shree B Uthanur	tarunashree2003@gmail.com	9008804446	B pharmacy	6th semester/ 3rd year	HSC21PH0084	3	5	3	Yes	Good	No
5-29-2024 17:16:43	29th May 2024	MANISHA RAJOU	manisharajou@gmail.com	9743380338	B pharmacy	8 th semester	HSC20PH0042	4	4	4	Yes	Very well presented	-
5-29-2024 17:24:00	29/05/2024	Lakshmi Patel	lakshmipatel250@gmail.com	9740234835	B pharmacy	8th sem / 4th year	HSC21PH1003	5	5	5	Yes	Good	Well organized
5-29-2024 18:11:39	29 May, 2024	Aniba Imran	anbaimran103@gmail.com	9608927537	Doctor of Pharmacy	1	HSC23PD0013	3	3	4	NO	appreciatable	No
5-29-2024 19:13:29	29/05/2024	Azra Mariam	azra.mariam22@gmail.com	9036632972	Mpharm	1st year	HSC23MPS014	5	5	5	Yes	Good	No comments
5-29-2024 21:53:39	5/29/2024	NANDITHA NAIR	Naimanditha453@gmail.com	9037298585	Doctor of Pharmacy	3rd year	HSC21PD0018	4	4	4	Yes	It was well organised and well taught in a knowlegable manner, which helped me	It was well organised and well taught in a knowlegable manner, which helped me
5-30-2024 10:16:28	30/05/2024	Rakshitha T R	trrakshitharamesh04@gmail.com	6363894256	B pharm	6th semester / 3rd year	HSC21PH0063	5	5	5	Yes	Thank you for a great course. Great presentation style with lots of	Very informative and useful
5-30-2024 10:18:46	30/5/24	Arundhathi Raj AR	arundhathiraj7@gmail.com	9142473326	Pharmd	1st year	HSC23PD0016	4	5	5	Yes	It was good	It is helpful for the future
5-30-2024 10:24:37	30/5/24	GOUTHAM M	goutham0514@gmail.com	9611557715	B pharm	6/3	HSC21PH0031	4	4	4	Yes	Good, Need to improve	No
5-30-2024 10:32:59	30/05/2024	Surya Harshitha S	harshitha3330@gmail.com	9740353330	B Pharmacy	8th semester	HSC20PH0076	5	5	5	Yes	The course was very useful and informative.	It was innovative and gave us a vision on how to move forward in our future projects.

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5-30-2024 10:54:43	30-05-2024	Danish Amin	aeesaameen@gmail.com	6005751237	B pharmacy	6th semester - 3rd year	HSC21PHOO18	5	4	5	Yes	Quality of instructions was excellent. Everything was well organised and it	Her comments to the course were generally positive. She appreciated the
5-30-2024 11:05:43	30 may 2024	Manisha Rajou	manisharajou@gmail.com	9743380338	Bpharmacy	3 th semester	HSC20PH0042	4	4	4	Yes	Well presented ....course was effective	-
5-30-2024 11:26:15	30/05/2024	Rachana vijeta M	rachanavijeta8@gmail.com	9972329255	The value added courses	6th sem / 3rd year	HSC21PH0058	3	3	4	Yes	Good	No comments
5-30-2024 13:14:38	30/05/2024	K JEEVAN BASAPPA	jeevanbasappa27@gmail.com	9353131308	Advanced pharmaceutical product development	6th	HSC18PD0009	5	5	5	Yes	Well organized.	NA
5-30-2024 13:57:46	30/05/2024	Nitya Shambhu Avadhani	nityashambhuavadhani20@gmail.com	7019646742	B PHARM	3rd year	HSC21PH0051	5	5	5	Yes	Very good	No
6-10-2024 10:40:51	10/06/2024	Rakshitha T R	trrakshitha36@gmail.com	6363894258	B pharm	6th semester/3rd year	HSC21PH0063	5	5	5	Yes	Good	Very informative and helpful
6-10-2024 10:42:38	10/6/34	Rachita naik	naikrachita900@gmail.com	9326721548	B pharmacy	6th sem	Hsc21ph0059	4	4	4	Yes	Good	Good
6-10-2024 10:43:49	10/06/24	SUPRITHA K M	suprithakamayyana@gmail.com	9353424462	B pharm	6th semester	HSC21PH0080	5	5	5	Yes	Informative	No
6-10-2024 10:46:03	10/6/2024	Sanchit Ashok Bhavikeri	absanchit@gmail.com	6362069636	Bpharm	6th	HSC21PH0071	5	5	5	Yes	It was all good	Everything was good i hope we get more further courses like this
6-10-2024 10:47:03	10/06/2024	Rachana vijeta M	rachanavijeta8@gmail.com	9972329255	B pharmacy	3rd year , 6th sem	HSC21PH0058	3	4	4	Yes	Course has a very high scope comparatively and i prefer interested can	Nope
6-10-2024 10:55:54	18/03/2024	Darshan S	darshanms31p@gmail.com	998 798544	B pharm	6th sem	HSC21PH0020	5	5	5	Yes	It was very informative	No
6-10-2024 10:56:17	18/3/24	Charan Gowda D	charangowda7795@gmail.com	7795448344	B pharmacy	6th sem	HSC21PH0015	5	5	5	Yes	I was very informative and useful.	No.
6-10-2024 11:42:52	10/6/2024	RANJITHA S	ranjitar625@gmail.com	6362404875	B pharm	6th sem	HSC21PH0065	4	5	4	Yes	Good	No comments it's good only
6-10-2024 12:26:01	10/06/2024	THEJESH HM	thejshgowda16@gmail.com	8618230279	B Pharm	6th sem/3rd year	HSC21PH0085	5	5	5	Yes	GOOD	NO

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SCHOOL OF HEALTH SCIENCES

COLLEGE OF PHARMACEUTICAL SCIENCES

HAROHALLI, KANAKAPURA ROAD, KARNATAKA 562112, BHARAT

COLLEGE OF PHARMACEUTICAL SCIENCES

Certificate

This is to Certify that Mr./ Ms. Yashaswini G

has successfully completed a 30 hours value added course on

"Advanced Pharmaceutical Product Development"

From 18th March to 5th May 2024

Conducted by Department of Pharmaceutics, College of Pharmaceutical Sciences,

Dayananda Sagar University, Bengaluru

Dr. N.M.Raghavendra
Principal, COPS, DSU

Dr. Pushpa Sarkar
Dean, SHS, DSU

Dr. C. Puttamadappa
Registrar, DSU

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DAYANANDA SAGAR UNIVERSITY

SCHOOL OF HEALTH SCIENCES

COLLEGE OF PHARMACEUTICAL SCIENCES

HAROHALLI, KANAKAPURA ROAD, KARNATAKA 562112, BHARAT

COLLEGE OF PHARMACEUTICAL SCIENCES

Certificate

This is to Certify that Mr./ Ms. AbhilashYadav
has successfully completed a 30 hours value added course on

"Advanced Pharmaceutical Product Development"

From 18th March to 5th May 2024

Conducted by Department of Pharmaceutics, College of Pharmaceutical Sciences,
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Registrar, DSU

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Value Added Courses

Certificate Programs

College of Pharmaceutical Sciences, DSU

12th April - 7th May 2024

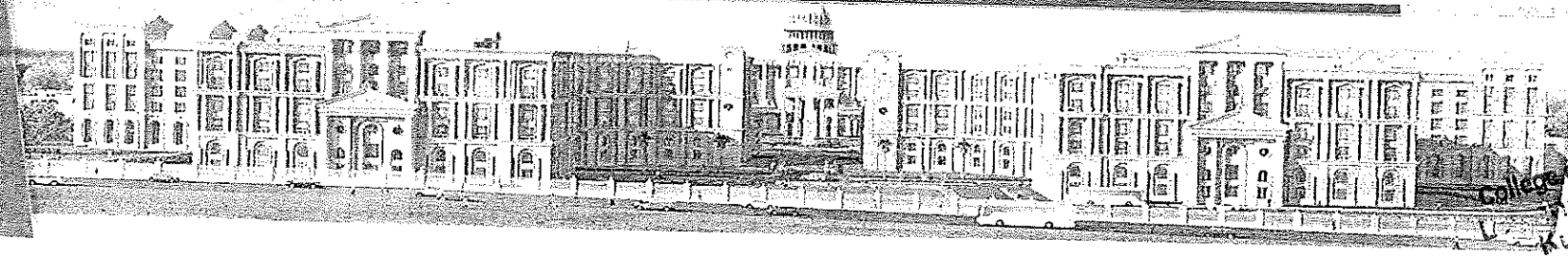
Certificate Program 1
Green Chemistry – Approaches & Applications

Click Here for Course Content Limited

Limited Seats

Last Date for registration: 15th Mar 2024

Click Here to Register



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College of Pharmaceutical Sciences

Certificate Program 03

Green Chemistry - Approaches & Applications – 21VAC01

Objective of the course:

The course has been developed with the following objective for the students to understand:

1. The concept of green chemistry.
2. Various approaches towards green chemistry along with their advantages and disadvantages.
3. Knowledge of its experimental design.

Course outcomes:

1. The value-added course on green chemistry will help individuals to develop their own skills in their chosen field of study.
2. Learning Green chemistry will equip the student with knowledge to design chemical processes that reduces or eliminates use of Hazardous substances in industrial scale.
3. To Learn alternative technologies that have industrial applications and at the same time are safer for human health and protect natural environment.

Course & Syllabus (30 hours)

Module - 1: Introduction to Green Chemistry: 4 hours

- Basic principles Needs
- Advantages & disadvantages of green chem

Module - 2: Approaches to Green Chemistry: 10 hours

- Green reagents, green catalysis,
- Microwave assisted synthesis,
- Ultrasound assisted synthesis,
- Biocatalysts, solid state synthesis.

Module-3: Techniques and advances of green chemistry: 10 hours

- Microwave
- Ultrasound
- Biocatalyst
- Solid state synthesis
- Water as solvent

Module-4: Assignments on experimental design & industrial applications 9 hours

- Microwave assisted synthesis of medicinal compounds such as paracetamol, Aspirin, Chalcones, Benzimidazole etc.

References:

1. New trends in Green Chemistry, V.K.Ahluwalia, M. Kidwai., Anamaya Publishers, New Delhi.
2. Green Chemistry - Fundamentals and applications, Suresh.C.Ameta, Rakshit Amela, Apple Academic Press.
3. A introductory text on green chemistry for undergraduate students, Indu Tucker Sidhwani, Rakesh K Sharma, Wiley.

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Date: 18-03-2024

TIME TABLE FOR VALUE ADDED COURSES GREEN CHEMISTRY APPROACHES & APPLICATIONS 2023-24

Timings : 7.30 PM - 8.30 PM

Days	Ph. Chemistry
Monday	Mrs. Rekha S
Tuesday	Mrs. Anita A
Wednesday	Dr. Kalpana Divekar
Thursday	Dr. Sonal Dubey
Friday	Dr. Prema Kumari
Saturday	Dr. Gana Ruba Priya

Value added Course Co-ordinator

(Mrs. Pruthvi N)

Principal

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(Dr. N.M Raghavendra)

LIST OF THE STUDENTS OF VAC 2023-24

Green Chemistry Applications and Approaches							
Sl.No	USN No.	Student Name	Email ID	Mob.No	Course	Year	Sign
1	HSC21PH00013	AISHWARYA HIREMATH	Aish223@gmail.com	9217797075	B Pharm	6th sem	
2	HSC21PH0005	AJAY KHARABARI	ajaykh51201@gmail.com	9786750260	B Pharm	7th sem	
3	HSC21PH0006	AMANJI	cb4900371@gmail.com	80884551899	B Pharm	8th sem	
4	HSC21PH0007	ANJALI CHAUDARY	Anjali000@gmail.com	9423233490	B Pharm	6th sem	
5	HSC21PH00047	ARIBA IMRAN	imran399@gmail.com	8760848326	B Pharm	6th sem	
6	HSC21PH0009	ASWATH NARAYANA	Ashwathnarayan2003@gmail.com	7349799771	B Pharm	6th sem	
7	HSC21PH00013	C TAMEEM KAUSAR	kauser31p@gmail.com	7980798544	B Pharm	6th sem	
8	HSC21PH0014	SHRAVYA	shravyagowda7795@gmail.com	9795448344	B Pharm	6th sem	
9	HSC21PH0019	DARSHAN GOWDA	Darshangowda04@gmail.com	7360000569	B Pharm	6th sem	
10	HSC21PH0023	DEVANANDA	davananda2425@gmail.com	9217719529	B Pharm	6th sem	
11	HSC23PD0024	DHANUSH	Dhanush239@gmail.com	9620791942	Pharm D	1st year	
12	HSC23PD0025	DILIP KUMAR	dilipkumar102@gmail.com	7022638254	Pharm D	1st year	
13	HSC19PD0026	DIYA	diyashetty690@gmail.com	8529755186	Pharm D	5th year	
14	HSC18PD0007	HAIFA	haifarais56@gmail.com	9365581681	Pharm D	6th year	
15	HSC22PD0008	IMTIAZ	naazfalak479@gmail.com	7899449864	Pharm D	2nd year	
16	HSC23BP011	HANUMAN	hanuman07@gmail.com	8050728410	M Pharm	1st sem	
17	HSC19PD0022	JHANAVI	jhanvimahesh@gmail.com	8971719201	Pharm D	5th year	
18	HSC22PD0013	LIKITHA	likithalr@gmail.com	8050024966	Pharm D	2nd year	
19	HSC22PD0014	NITYHA ADVANI	nithyaadvani@gmail.com	8825067235	Pharm D	3rd year	
20	HSC22PD0012	PRIYA	Priyaprakas@gmail.com	8073009020	Pharm D	4th year	
21	HSC22PD0019	RANJEETA	ranjeetakb290@gmail.com	8927097894	Pharm D	5th year	
22	HSC22PD0033	ROHAN PALANKAR	palankar509@gmail.com	9986423424	Pharm D	2nd year	
23	HSC22PD0034	SANCHIT	sanchit123@gmail.com	6361201360	Pharm D	2nd year	
24	HSC22PD0018	SWETHA	swetash003@gmail.com	8553603833	Pharm D	2nd year	
25	HSC22PD0014	YASHAS	yashas04@gmail.com	8618447558	Pharm D	2nd year	
26	HSC20PH0007	YUBRAJ	yubraj@gmail.com	9380036982	B Pharm	8th Year	

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Certificate Program 03

Green Chemistry - Approaches & Applications – 21VAC01

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- Microwave assisted synthesis,
- Ultrasound assisted synthesis,
- Biocatalysts, solid state synthesis.

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- Ultrasound
- Biocatalyst
- Solid state synthesis
- Water as solvent

Module-4: Assignments on experimental design & industrial applications 9 hours

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Friday	Dr. Prema Kumari
Saturday	Dr. Gana Ruba Priya

Value added Course Co-ordinator

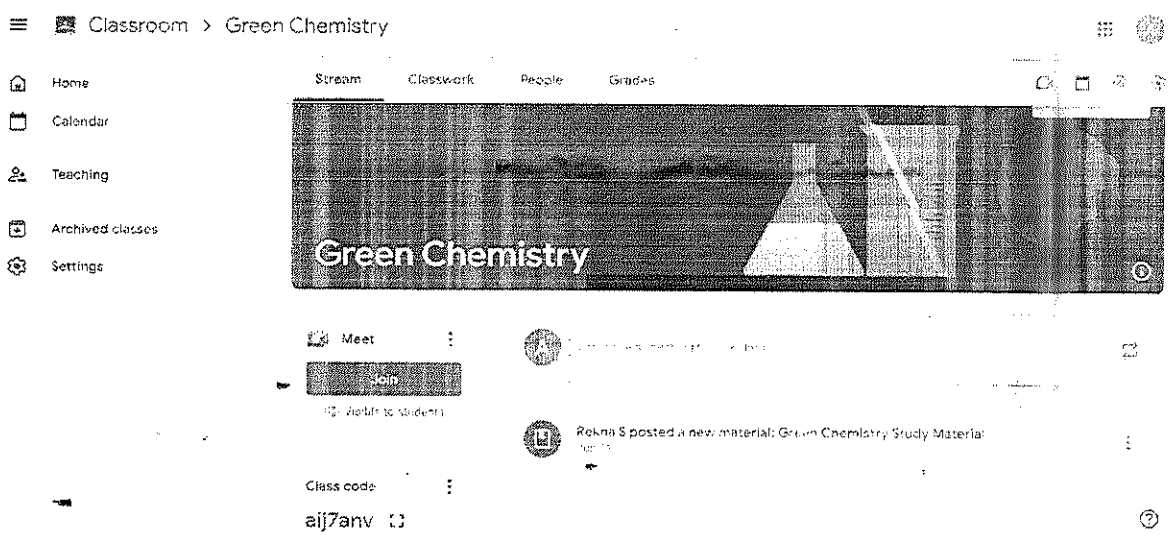
(Mrs. Pruthvi N)

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(Dr. N.M Raghavendra)

- ✓ Usually a starting material in a reaction or a process can be from a renewable or non-renewable source
- ✓ Green chemistry however demands that a particular starting material should always be from a renewable resource, so that it is made available in abundance and does not get depleted. e.g CO2, CH4, etc can be obtained from a natural sources and are available in abundance, and considered as renewable resources.
- ✓ This principle also implies the use of renewable energy technologies which include, solar energy, wind energy, biomass energy, biofuels, hydropower.
- ✓ Over the past few years, production of materials, chemicals, fuels has been done using renewable raw materials.. E.g Europe has successfully utilized rapeseed oil as raw material for the production of biodiseal. Another well-defined example is furnished by American company NatureWorks that uses bottles made from lactic acid polymers (PLA) made from lactic acid, obtained by the fermentation of dextrose obtained from starch, most commonly corn. It is believed that to produce one kg of PLA, 2.5 kg of corn is required [*Ref Rujnić-Sokele, M. (2007): Truths and mistakes about bioplastics. Polymers: Journal of Rubber and Plastics, Rubber* Page 9 of 39 : *pp178-181. In Croatian*].



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College of Pharmaceutical Sciences, Dayananda Sagar University
Department of Pharmac Chemistry - VAC
Attendance for Green Chemistry applications and approaches [2023-24]

Sl. No	USN No	Name of the Student	09 Apr	11 Apr	12 Apr	13 Apr	15 Apr	16 Apr	17 Apr	18 Apr	19 Apr	20 Apr	22 Apr	23 Apr	24 Apr	23 Apr	24 Apr	24 Apr
1	HSC21PH00013	AISHWARYA HIREMATH	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2	HSC21PH0005	AJAY KHARABARI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
3	HSC21PH0006	AMANJI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
4	HSC21PH0007	ANJALI CHAUDARY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
5	HSC21PH00047	ARIBA IMRAN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
6	HSC21PH0009	ASWATH NARAYANA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
7	HSC21PH00013	C TAMEEM KAUSAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
8	HSC21PH0014	SHRAVYA	1	2	3	4	5	A	6	7	8	9	10	11	12	13	14	15
9	HSC21PH0019	DARSHAN GOWDA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
10	HSC21PH0023	DEVANANDA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
11	HSC23PD0024	DHANUSH	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
12	HSC23PD0025	DILIP KUMAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
13	HSC19PD0026	DIYA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
14	HSC18PD0007	HAIFA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
15	HSC22PD0008	IMTIAZ	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
16	HSC23BP011	HANUMAN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
17	HSC19PD0022	JHANAVI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

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18	HSC22PD0013	LIKITHA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
19	HSC22PD0014	NITYHA ADVANI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
20	HSC22PD0012	PRIYA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
21	HSC22PD0019	RANJEETA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
22	HSC22PD0033	ROHAN PALANKAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
23	HSC22PD0034	SANCHIT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
24	HSC22PD0018	SWETHA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
25	HSC22PD0014	YASHAS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
26	HSC20PH0007	YUBRAJ	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

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Sl. No	USN No	Name of the Student	29 Apr	30 Apr	02 MAY	03 MAY	04 MAY	06 MAY	07 MAY	08 MAY	09 MAY	10 MAY	11 MAY	13 MAY	14 MAY	15 MAY	Signature
1	HSC21PH00013	AISHWARYA HIREMATH	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
2	HSC21PH0005	AJAY KHARABARI	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
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5	HSC21PH00047	ARIBA IMRAN	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
6	HSC21PH0009	ASWATH NARAYANA	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
7	HSC21PH00013	C TAMEEM KAUSAR	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
8	HSC21PH0014	SHRAVYA	16	17	18	19	20	21	22	23	24	25	26	27	28	29	
9	HSC21PH0019	DARSHAN GOWDA	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
10	HSC21PH0023	DEVANANDA	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
11	HSC23PD0024	DHANUSH	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
12	HSC23PD0025	DILIP KUMAR	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
13	HSC19PD0026	DIYA	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
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15	HSC22PD0008	IMTIAZ	17	18	19	20	21	22	A	23	24	25	26	27	28	29	
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18	HSC22PD0013	LIKITHA	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
19	HSC22PD0014	NITYHA ADVANI	17	18	19	20	21	22	23	24	25	26	27	28	29	30	

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Kumaraswamy Layout,

20	HSC22PD0012	PRIYA	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
21	HSC22PD0019	RANJEETA	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
22	HSC22PD0033	ROHAN PALANKAR	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
23	HSC22PD0034	SANCHIT	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
24	HSC22PD0018	SWETHA	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
25	HSC22PD0014	YASHAS	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
26	HSC20PH0007		17	18	19	20	A	21	22	23	24	25	26	27	28	29	

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Green Chemistry - Approaches and Applications

Assignment - 01 :→

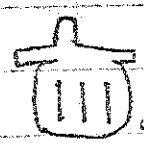
Q1. What is green chemistry ? Explain in brief 12 principles of green chemistry?

ans:) green chemistry is the design of chemical products and processes that reduce / eliminate the use or generation of hazardous substances / green chemistry applies across the life cycle of a chemical product, including design, manufacture use and ultimate disposal.

green chemistry also known as 'sustainable' chemistry'.

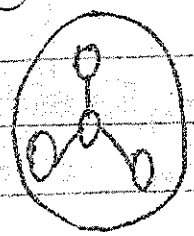
12 principles of green chemistry ⇒

① waste prevention →



- Prioritize the prevention of waste rather than cleaning up and treating waste after it has been created.

② atom economy :→



- reduce waste at molecular level by maximizing the number

atoms from all reagents that are incorporated into final product.

(3) less hazardous chemical synthesis →



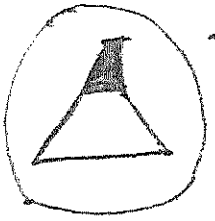
— design chemical reactions and synthetic routes to be safe as possible.

(4) safer designing chemicals →



— minimize toxicity directly by molecular design.

(5) Safer solvents and auxiliaries →



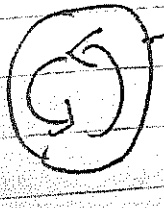
— choose safest solvent available for any given step.

(6) design for energy efficiency →



— Choose the least energy-intensive chemical route. avoid heating and cooling as well as pressurized and vacuum conditions.

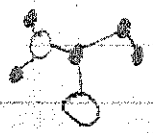
(7) use of renewable feedstocks →



— use chemicals which are made from renewable sources, rather than other, less sustainable chemical origin from petrochemical

sources.

(8) Reduce derivatives: →



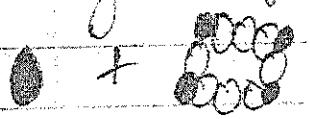
minimize the use of temporary derivatives such as protecting groups.

(9) Catalysts →



use catalytic instead of stoichiometric reagents in reaction.

(10) design for degradation →



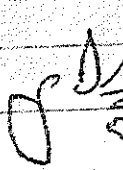
→ design chemicals / degrade easily.

(11) real-time pollution prevention →



monitor chemical reactions in real time as they occur to prevent the formation and release of any polluted substances.

(12) Safer chemistry for accident prevention →



Choose and develop chemical procedures, that are safer and inherently minimize the risk of accidents.

Q2. Write advantages and disadvantages of Green Chemistry with eg?

Ans:) advantages of green Chemistry?

→ plants and animals suffer less harm from toxic Chemicals in the environment.
→ lower potential for global warming, ozone depletion and smog formation.
→ less chemical disruption of ecosystems.
→ less use of landfills, especially hazardous waste landfills.

disadvantages of green chemistry →

→ high implementing costs,
→ lack of information
→ no known or low alternative chemical materials inputs, no known alternative process technology, uncertainty about performance.
→ consumer awarness,
→ lack of policies.

Q3. Applications / Uses of green Chemistry at every stage in life cycle of a product is of particularly high importance.

applications / Uses of green Chemistry.

→ pre manufacturing

- alternative feedstocks
- safe and reasonable extraction

Waste minimization ←

manufacturing

- Greater use of catalyst
- more atom efficient routes.
- non-processing
- safe and intensive processing.

→ Product delivery

- minimal packaging

Change to market manufacturings

→ Product Use

- Safer products

Chemicals information ←

→ End of Life

- quickly biodegradable.

recyclable / reusable ←

Assignment - 01

Priya

Green Chemistry.

B. pharm 4th sem.

① What is Green chemistry ? Explain in brief 12 principles of Green chemistry.

-> Green chemistry is an approach to chemistry that aim to maximize efficiency & minimize hazardous effect on human health and the Environment.

Def :- Green chemistry is the utilization of a set of principles that reduces (or) prevents the use of hazardous effects on human health in the design manufacture and application of chemical products.

Principles of Green chemistry

① Prevention -

It is better to prevent waste than to treat (or) clean up waste after it has been created.

② Atom Economy -

Synthetic methods should be designed to maximize the incorporation of all materials used in the process into the final products.

③ less hazardous chemical Synthesis -

wherever practicable Synthetic methods should be designed to use & generate substances that posses little (or) no toxicity to people (or) the Environment.

④ Designing Safer Chemicals -

Chemicals products should be designed to effect their desired function while minimizing their toxicity.

(5) Safer Solvents and Auxiliaries -

The use of auxiliary Substances should be made unnecessary whenever possible and innocuous when used.

(6) Design for energy efficiency -

Energy requirement of chemical processes should be recognised for their Environment & Economic impact Should be minimised. If possible Synthetic methods should be conducted at ambient temperature & Pressure.

(7) Use of Renewable Feedstock -

A raw material / feedstock should be renewable rather than depleting wherever technically & Economically practicable

(8) Reduce derivatives -

Unnecessary derivatization should be minimised (or) avoided if possible because such steps require additional reagents and can generate waste

(9) Catalysis -

Catalytic reagents are superior to stoichiometric reagent.

(10) Design for degradation -

Chemical products should be designed so that at the end of their function they breakdown into innocuous degradation products & do not persist in the environment

(11) Real-time analysis for pollution prevention -

Analytical methodologies need to be developed further to allow for real-time in process monitoring & control prior to the formation of hazardous substances

(12) Inherently safer chemistry for accident prevention -

Substances is the form of a substances used in a chemical process should be chosen to minimize the potential for chemical accidents including releases Explosions & fires.

(a) Write advantages & disadvantages of Green chemistry with examples

Advantages :-

- plants suffer less harm from toxic chemicals in the environment.
- lower potential for global warming, Ozone depletion & Smog formation
- less chemical disruption of ecosystems.
- less use of land fill of potentially hazardous waste

Disadvantages :

- One disadvantage of green chemistry is that switching from an old product (or) process to a new one takes time
- A redesign of the new process (or) product are often difficult, & there is lack of unity on what is deemed safer
- The process is slow because on a large scale the production costs are high.
- lack of information
- No known alternatives chemical (or) raw material inputs.

(2) Explain the uses of Green Chemistry in day to day life with Examples.

Uses :-

(1) Dry cleaning of clothes -

- Tetra Chloroethene (C_2Cl_4) was basic used as solvent for dry cleaning but these caused contamination of Ground water and Suspected Carcinogen.
- The process using this solvent is now being replaced by a greener process using liquid Carbon dioxide with a Suitable detergent.
- Replacement of [illegible] by liquid Carbon dioxide (CO_2) which is [illegible] to ground water.

(2) Bleaching of paper -

- Chlorine gas was used earlier for bleaching of paper.
- These days hydrogen peroxide with Suitable Catalyst which promotes the bleaching action of hydrogen peroxide is used.

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School of Health Sciences
Devarakaggalahalli, Kanakapura Road, Ramanagara Dist, Karnataka, Bharat

FEEDBACK FORM FOR VALUE ADDED COURSE_ GREEN CHEMISTRY -APPLICATIONS AND APPROACHES [2023-24]

Date	Student Name	USN Number	E-mail	Mobile number	B.Pharm/Pharm.D/M.Pharm	Semester/Year	How would you rate the overall quality of the course content	Was the course content relevant to your goals and expectations	Did the course materials support your learning effectively	Did the course meet your expectations?	Suggestions any for improvement
10-06-2024	Hussain Amja	HSC21PH0036	hussainamja1234@gmail.com	9916995362	B pharm	4year/7th sem	Excellent	Very Relevant	Yes	Yes	Best
10-06-2024	Ariba	HSC23PD0013	aribaimran103@gmail.com	9608927637	Pharm.D	2nd yr	Good	Very Relevant	Yes	Yes	Nil
10-06-2024	Dileep Kumar B	HSC21PH0025	dk244130@gmail.com	7338579894	B.Pharm	7th sem/4th year	Excellent	Very Relevant	Yes	Yes	None
10-06-2024	Aman Anand	Hsc21ph0006	amanji6202@gmail.com	6202577155	B.pharm	4th year	Excellent	Very Relevant	Yes	Yes	Many more courses like this is needed.
10-06-2024	C.TAMEEM KAUSAR	HSC21PH0013	cb4900371@gmail.com	8088455189	B.Pharm	7th semester	Good	Very Relevant	Yes	Yes	Best
10-06-2024	Aishwarya Hiremath	HSC21PH0002	hiremathaishwarya17@gmail.com	6361757851	B.Pharm	7th sem	Good	Very Relevant	Yes	Yes	Nil
10-06-2024	NITYA SHAMBHU AVADHANI	HSC21PH0051	nityashambhuavadhani20@gmail.com	7019646742	B.PHARM	7th	Excellent	Very Relevant	Yes	Yes	Best

19/6/24

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College of Pharmaceutical Sciences
Dayananda Sagar University
Kumaraswamy Layout
Bengaluru - 560 078.

FEEDBACK FORM FOR VALUE ADDED COURSE_ GREEN CHEMISTRY -APPLICATIONS AND APPROACHES

10-06-2024	Yubaraj Dey	HSC23PD0033	yubarajdey050@gmail.com	6295160476	Pharma.D	2nd	Good	Very Relevant	Yes	Yes	Best
10-06-2024	Diya shetty	HSC21PH0026	diyashettydjd@gmail.com	8217797075	B Pharm	7th sem	Excellent	Very Relevant	Yes	Yes	Useful
10-06-2024	Priya Chaudhary	028508-21(Kathmandu University)	Saaruu295@gmail.com	+977 9824680769	B. pharm	2nd/3rd	Good	Very Relevant	Yes	No	Nice course
10-06-2024	Jahnavi Mahesh	HSC21PH0038	jahnavimahesh2003@gmail.com	7349748771	B pharm	Sem 7	Excellent	Very Relevant	Yes	Yes	Nil
10-06-2024	Haifa imtiyaz	HSC23MPS002	haifaimtiyaz11@gmail.com	9845908892	M.pharm	3 rd sem	Excellent	Very Relevant	Yes	Yes	Yes
10-06-2024	Ranjitha S	HSC21PH0065	ranjitar625@gmail.com	6362404875	B pharm	7th sem	Good	Very Relevant	No	Yes	It is good only
10-06-2024	Hanuman Ram Choudhary	HSC21PH0033	hanumanrc2002@gmail.com	9448256867	B. Pharm	7th	Excellent	Very Relevant	Yes	Yes	Nice course
10-06-2024	Jahnavi Mahesh	HSC21PH0038	jahnavimahesh2003@gmail.com	7349748771	B pharm	Sem 7, year 4	Good	Very Relevant	Yes	Yes	Nil
10-06-2024	Jahnavi Mahesh	HSC21PH0038	jahnavimahesh2003@gmail.com	7349748771	B pharm	Sem 7, year 4	Excellent	Very Relevant	Yes	Yes	Nil
10-06-2024	CH.Sharvya	HSC21PH0014	chshravya21@gmail.com	8660020892	BPharm	7th Sem	Excellent	Very Relevant	Yes	Yes	Satisfied

Kalpana 17/6/24

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COLLEGE OF PHARMACEUTICAL SCIENCES

HAROHALLI, KANAKAPURA ROAD, KARNATAKA S62112, BHARAT

COLLEGE OF PHARMACEUTICAL SCIENCES

Certificate

This is to Certify that Mr./ Ms.:**Priya Chaudhary**

has successfully completed a 30 hours value added course on

"Green Chemistry-Approaches and Applications"

From 18th March to 23rd July 2024

Conducted by Department of Pharmaceutical Chemistry, College of Pharmaceutical Sciences, Dayananda Sagar University, Bengaluru

Dr. N.M.Raghavendra	Dr. Pushpa Sarkar	Dr. C. Puttamadappa
Principal, COPS, DSU	Dean, SHS, DSU	Registrar, DSU

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Kumaraswamy Layout
Bangalore-560 111

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COLLEGE OF PHARMACEUTICAL SCIENCES

HAROHALLI, KANAKAPURA ROAD, KARNATAKA 562112, BHARAT

COLLEGE OF PHARMACEUTICAL SCIENCES

Certificate

This is to Certify that Mr./ Ms.: **Haifa Imtiyaz**

has successfully completed a 30 hours value added course on

"Green Chemistry-Approaches and Applications"

From 18th March to 23rd July 2024

Conducted by Department of Pharmaceutical Chemistry, College of Pharmaceutical Sciences, Dayananda Sagar University, Bengaluru

Dr. N.M.Raghavendra	Dr. Pushpa Sarkar	Dr. C. Puttamadappa
Principal, COPS, DSU	Dean, SHS, DSU	Registrar, DSU

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Kumaraswamy Layout,
Bengaluru - 560 078.

COLLEGE OF

College of Pharmaceutical Sciences
Certificate Program 04
Plant Tissue Culture – 21VAC04

Objective of the Course:

1. To introduce biotechnological methods in plants.
2. To widen the knowledge related to modern plant biotechnology process
3. To make understand the biotechnological process & their applicative value in agriculture pharmaceutical and food industry.

Course Outcomes:

1. Upon completion of the course the student will be able to recall the basic concepts of biotechnology and process of plant tissue culture.
2. Report measures for conservation of biodiversity
3. Apply learned techniques in a new or similar situation
4. Design and experiment with step-by-step instruction to address the research problems.

Course & Syllabus (30 hours)

Module I: Fundamentals of plant tissue culture: 8 hours

- Types of culture media and their application.
- Introduction of lab design and sterilisation techniques.
- Concept of plant tissue culture, initiation of plant tissue culture.

Module II: Different methods of Tissue culture 10 hours

- Organogenesis and Embryogenesis.
- Synthetic seeds, Protoplast fusion.
- Micro propagation of medicinal and aromatic plants
- Gene transfer in plants and their applications.

Module III: Applications of Tissue culture 7 hours

- Secondary metabolites with emphasis on production of medicinal agents.
- Germplasm Conservation.
- Bioreactors and fermentation.

Module IV: Assignments on Transgenic plants 5 hours

- Plant biotechnology industries in Karnataka.
- Hardening and Acclimatization in green house.
- Biotechnology: Some thought-provoking newer ideas.

REFERENCES

1. Pharmaceutical Biotechnology by SP. Vyas and VK. Dixit, CBS Publishers.
2. Elements in Biotechnology by PK. Gupta, Rastogi Publications, New Delhi.
3. Pharmacognosy and Pharmacobiotechnology by Ashutosh Kar, New Age International limited, Publishers.
4. Pharmacognosy by G. E. Trease and WC. Evans, 16th Edition, Elsevier.

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Harohalli

Dayananda Sagar University Bengaluru

Value Added Courses

Certificate Programs

College of Pharmaceutical Sciences, DSU

20th Mar- 30th Apr 2024

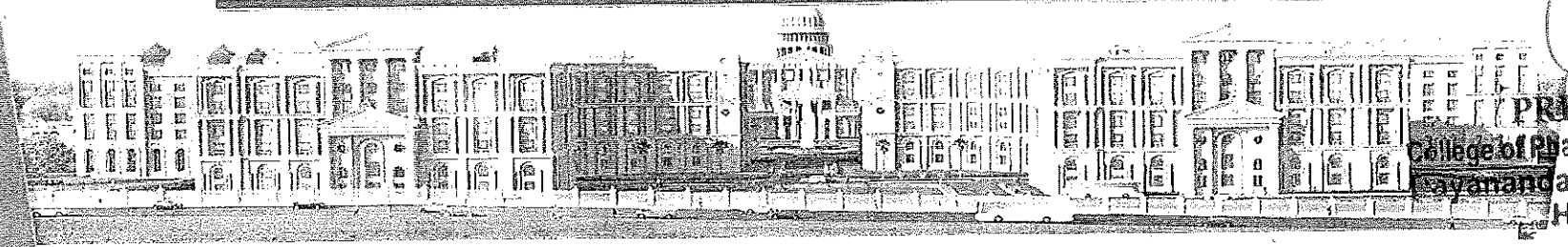
Certificate Program 4
Plant Tissue Culture

Click Here for Course Content

Limited Seats

Last Date for registration: 15th Mar 2024

Click Here to Register



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PLANT TISSUE CULTURE
Timetable (2023-24)

SL. NO	Date	Plant Tissue Culture (PTC)
		7.30 – 8.30 PM
		Faculty In charge
1.	20-03-2024	Pruthvi N
2.	21-03-2024	Vaishali Bambal
3.	22-03-2024	Dr. Sivakami P Sundari
4.	23-03-2024	Dr. Shanaz Banu
5.	25-03-2024	Pruthvi N
6.	26-03-2024	Vaishali Bambal
7.	27-03-2024	Dr. Sivakami P Sundari
8.	28-03-2024	Dr. Shanaz Banu
9.	30-03-2024	Pruthvi N
10.	01-04-2024	Vaishali Bambal
11.	02-04-2024	Dr. Sivakami P Sundari
12.	03-04-2024	Dr. Shanaz Banu
13.	04-04-2024	Pruthvi N
14.	05-04-2024	Vaishali Bambal
15.	06-04-2024	Dr. Sivakami P Sundari
16.	08-04-2024	Dr. Shanaz Banu
17.	09-04-2024	Pruthvi N
18.	11-04-2024	Vaishali Bambal
19.	12-04-2024	Dr. Sivakami P Sundari
20.	13-04-2024	Dr. Shanaz Banu
21.	15-04-2024	Pruthvi N
22.	16-04-2024	Vaishali Bambal
23.	17-04-2024	Dr. Sivakami P Sundari
24.	18-04-2024	Dr. Shanaz Banu
25.	19-04-2024	Pruthvi N
26.	20-04-2024	Vaishali Bambal

13.3.24

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DAYANANDA SAGAR UNIVERSITY
School of Health Sciences
Kumaraswamy Layout, Bengaluru-560111, Karnataka, Bharat

LIST OF THE STUDENTS OF VAC 2023-24

Course Name: Plant Tissue Culture

Plant Tissue Culture							
Sl.No	USN No.	Student Name	Email ID	Mob.No	Course	Year	Sign
1	HSC21PH0026	Diya shetty	diyashettydjd@gmail.com	8217797075	B Pharm	6th sem	
2	HSC21PH0046	Manoj S	manojs51201@gmail.com	9886750260	B Pharm	7th sem	
3	HSC21PH0013	C TAMEEM KAUSAR	cb4900371@gmail.com	8088455189	B Pharm	8th sem	
4	HSC21PH0074	Shraddha ballur	shraddhaballur@gmail.com	9400233490	B Pharm	6th sem	
5	HSC21PH0032	Greeshma.R	greeshgreeshma399@gmail.com	7760848326	B Pharm	6th sem	
6	HSC21PH0038	Jahnavi Mahesh	jahnavimahesh2003@gmail.com	7349749771	B Pharm	6th sem	
7	HSC21PH0020	Darshan S	darshanms31p@gmail.com	9980798544	B Pharm	6th sem	
8	HSC21PH0015	Charan Gowda D	charangowda7795@gmail.com	7795448344	B Pharm	6th sem	
9	HSC21PH0022	Deepika M	deepikamurthy04@gmail.com	6360000569	B Pharm	6th sem	
10	HSC21PH0042	Nekkanti Ramya Satya Sri	ramyanekkanti2425@gmail.com	8217719529	B Pharm	6th sem	
11	HSC23PD0029	Shreelakshmi Bhat	bhatk830@gmail.com	9620791942	Pharm D	1st year	
12	HSC23PD0003	Amrutha M	amrutha.m102@gmail.com	7022638254	Pharm D	1st year	
13	HSC19PD0010	Harikishan singh	harikishansh1690@gmail.com	8529755186	Pharm D	5th year	
14	HSC18PD0006	Ganga Brahma	gangabrahma56@gmail.com	9365581681	Pharm D	6th year	
15	HSC22PD0008	SYED ZAID UR REHAMAN	naazfalak479@gmail.com	7899449864	Pharm D	2nd year	
16	HSC23MPL001	Amulya DP	amulyadp07@gmail.com	8050728410	M Pharm	1st sem	
17	HSC19PD0024	Sushmitha S	sushusp2002@gmail.com	8971719201	Pharm D	5th year	
18	HSC22PD17	Bhanu Prasad R	bhanuprasadr183@gmail.com	8050024966	Pharm D	2nd year	
19	HSC22PD0024	Mohd nauman Hafiz	humaishafiz.hi@gmail.com	8825067235	Pharm D	3rd year	
20	HSC22PD0004	RAM KUMAR N	ramkumar667767@gmail.com	8073009020	Pharm D	4th year	
21	HSC22PD0015	Aniket chettri	aniketchettri290@gmail.com	8927097894	Pharm D	5th year	
22	HSC22PD0033	Shraddha kulkarni	shraddhak0509@gmail.com	9986423424	Pharm D	2nd year	
23	HSC22PD0001	Abhishek	policepatilabhi123@gmail.com	6361201360	Pharm D	2nd year	
24	HSC22PD0002	BJ AKHILESHWAR	akhileshwarbj003@gmail.com	8553603833	Pharm D	2nd year	
25	HSC22PD06	Siddesha a n	nagarajaanna04@gmail.com	8618447558	Pharm D	2nd year	
26	HSC20PH0005	Adhokshaja Haritas	adhokharitas@gmail.com	9380036982	B Pharm	8th Year	
27	HSC22PD0010	Vijay	vijaykumarsh0707@gmail.com	9535540757	Pharm D	2nd year	
28	HSC20PH0021	Devahuti Gururajan	gdevahuti@gmail.com	9380108226	B Pharm	4th year	
29	HSC20PH0006	Afnan Pasha	afnanpasha759@gmail.com	8792452894	B Pharm	4th year	

19.03.2024
Dr. P. Sivakami Sundari

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College of Pharmaceutical Sciences, Dayananda Sagar University
Department of Pharmacognosy - VAC
Attendance Plant Tissue Culture

Sl. No	USN No	Name of the Student	20 Mar	21 Mar	22 Mar	23 Mar	25 Mar	26 Mar	27 Mar	28 Mar	30 Mar	01 Apr	02 Apr	03 Apr	04 Apr	05 Apr	06 Apr	08 Apr
1	HSC21PH0026	Diya shetty	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2	HSC21PH0046	Manoj S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
3	HSC21PH0013	C TAMEEM KAUSAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
4	HSC21PH0074	Shraddha ballur	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
5	HSC21PH0032	Greeshma.R	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
6	HSC21PH0038	Jahnavi Mahesh	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
7	HSC21PH0020	Darshan S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
8	HSC21PH0015	Charan Gowda D	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
9	HSC21PH0022	Deepika M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
10	HSC21PH0042	Nekkanti Ramya Satya Sri	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
11	HSC23PD0029	Shreelakshmi Bhat	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
12	HSC23PD0003	Amrutha M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
13	HSC19PD0010	Harikishan singh	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
14	HSC18PD0006	Ganga Brahma	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
15	HSC22PD0008	SYED ZAID UR REHAMAN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
16	HSC23MPL001	Amulya DP	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
17	HSC19PD0024	Sushmitha S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

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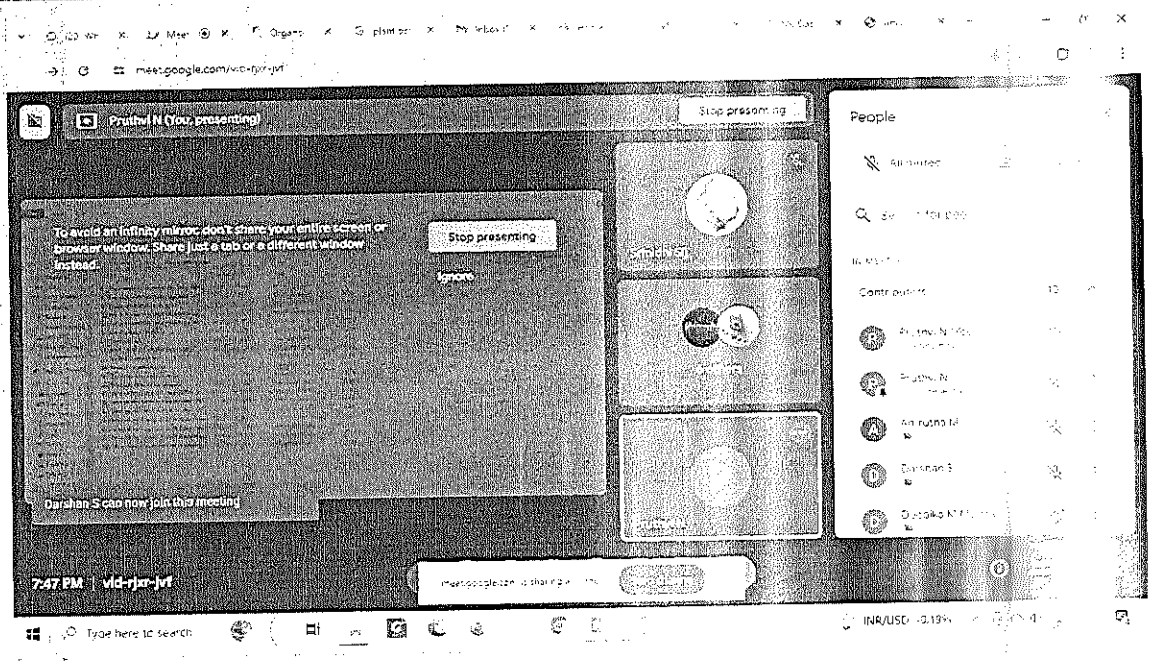
18	HSC22PD17	Bhanu Prasad R	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
19	HSC22PD0024	Mohd nauman Hafiz	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
20	HSC22PD0004	RAM KUMAR N	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
21	HSC22PD0015	Aniket chettri	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
22	HSC22PD0033	Shraddha kulkarni	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
23	HSC22PD0001	Abhishek	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
24	HSC22PD0002	BJ AKHILESHWAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
25	HSC22PD06	Siddesha a n	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
26	HSC20PH0005	Adhokshaja Haritas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
27	HSC22PD0010	Vijay	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
28	HSC20PH0021	Devahuti Gururajan	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
29	HSC20PH0006	Afnan Pasha	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

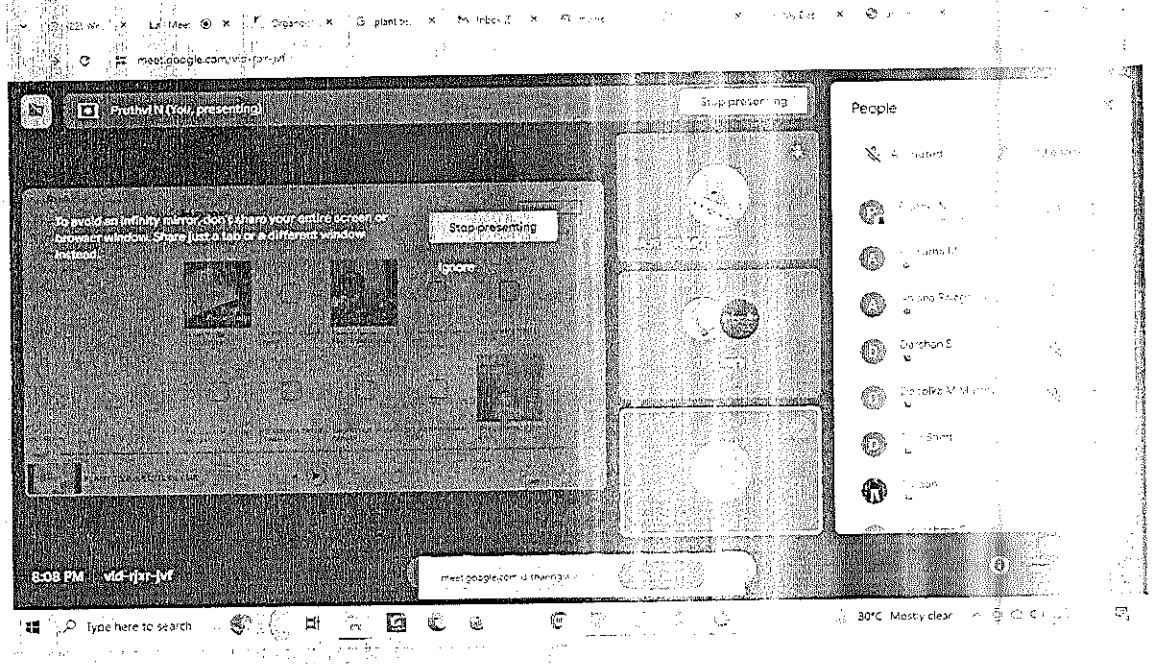
Sl. No	USN No	Name of the Student	09 Apr	11 Apr	12 Apr	13 Apr	15 Apr	16 Apr	17 Apr	18 Apr	19 Apr	20 Apr	22 Apr	23 Apr	24 Apr	25 Apr	Signature
1	HSC21PH0026	Diya shetty	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
2	HSC21PH0046	Manoj S	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
3	HSC21PH0013	C TAMEEM KAUSAR	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
4	HSC21PH0074	Shraddha ballur	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
5	HSC21PH0032	Greeshma.R	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
6	HSC21PH0038	Jahnavi Mahesh	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
7	HSC21PH0020	Darshan S	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
8	HSC21PH0015	Charan Gowda D	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
9	HSC21PH0022	Deepika M	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
10	HSC21PH0042	Nekkanti Ramya Satya Sri	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
11	HSC23PD0029	Shreelakshmi Bhat	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
12	HSC23PD0003	Amrutha M	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
13	HSC19PD0010	Harikishan singh	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
14	HSC18PD0006	Ganga Brahma	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
15	HSC22PD0008	SYED ZAID UR REHAMAN	17	18	19	20	21	22	A	23	24	25	26	27	28	29	
16	HSC23MPL001	Amulya DP	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
17	HSC19PD0024	Sushmitha S	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
18	HSC22PD17	Bhanu Prasad R	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
19	HSC22PD0024	Mohd nauman Hafiz	17	18	19	20	21	22	23	24	25	26	27	28	29	30	

20	HSC22PD0004	RAM KUMAR N	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
21	HSC22PD0015	Aniket chettri	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
22	HSC22PD0033	Shraddha kulkarni	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
23	HSC22PD0001	Abhishek	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
24	HSC22PD0002	BJ AKHILESHWAR	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
25	HSC22PD06	Siddesha a n	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
26	HSC20PH0005	Adhokshaja Haritas	17	18	19	20	A	21	22	23	24	25	26	27	28	29	
27	HSC22PD0010	Vijay	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
28	HSC20PH0021	Devahuti Gururajan	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
29	HSC20PH0006	Afnan Pasha	17	18	19	20	21	22	23	24	25	26	27	28	29	30	

P. Sivakami Sundari
2.5.2024
(Dr. P. Sivakami Sundari)

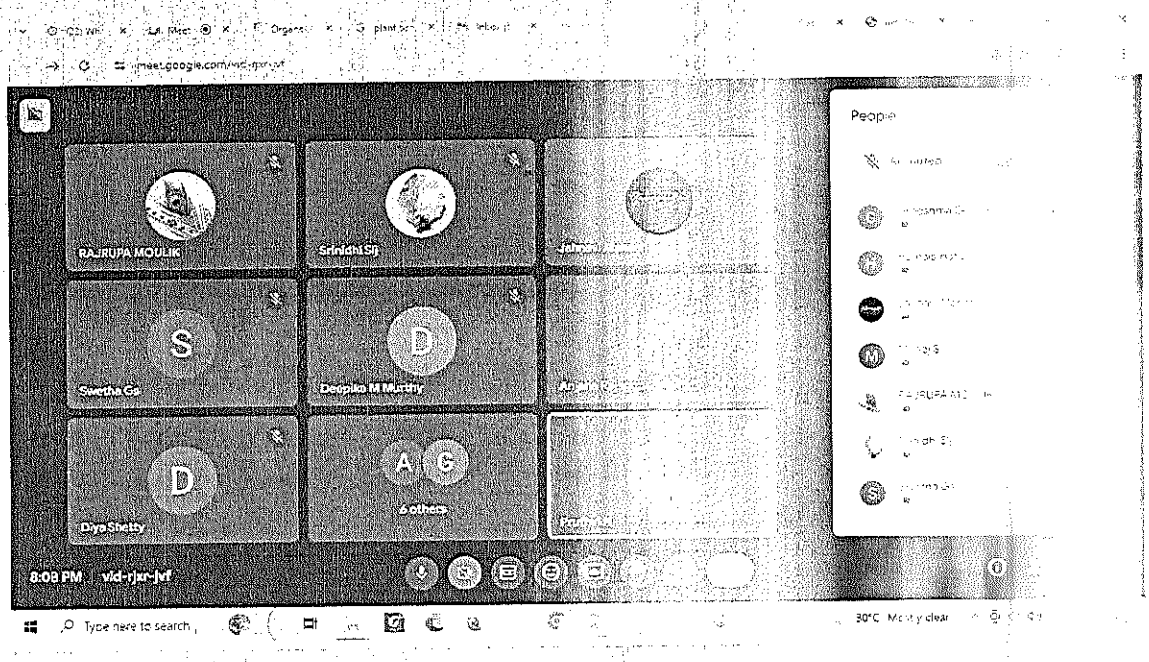
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Harohalli



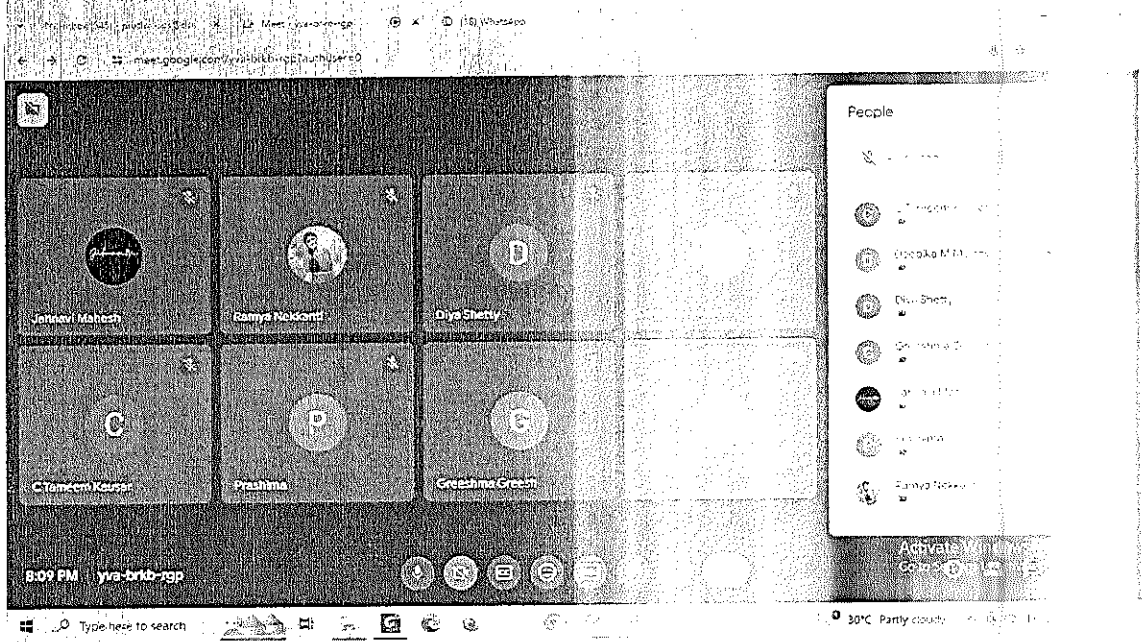


P. Srihi
29.07.2024

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25.03.2024



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DAYANANDA SAGAR UNIVERSITY

SCHOOL OF HEALTH SCIENCES

COLLEGE OF PHARMACEUTICAL SCIENCES

HAROHALLI, KANAKAPURA ROAD, KARNATAKA 562112, BHARAT

COLLEGE OF PHARMACEUTICAL SCIENCES

Certificate

This is to Certify that Mr./Ms. **Adhokshaja Haritas**

has successfully completed a 30 hours value added course on

"Plant Tissue Culture"

From 18th March to 23rd July 2024

Conducted by Department of Pharmacognosy, College of Pharmaceutical Sciences,
Dayananda Sagar University, Bengaluru

Dr. N.M.Raghavendra	Dr. Pushpa Sarkar	Dr. C. Puttamadappa
Principal, COPS, DSU	Dean, SHS, DSU	Registrar, DSU

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SCHOOL OF HEALTH SCIENCES

COLLEGE OF PHARMACEUTICAL SCIENCES

HAROHALLI, KANAKAPURA ROAD, KARNATAKA 562112, BHARAT

COLLEGE OF PHARMACEUTICAL SCIENCES

Certificate

This is to Certify that Mr./Ms. **Abhishek**

has successfully completed a 30 hours value added course on

"Plant Tissue Culture"

From 18th March to 23rd July 2024

Conducted by Department of Pharmacognosy, College of Pharmaceutical Sciences,
Dayananda Sagar University, Bengaluru

Dr. N.M.Raghavendra	Dr. Pushpa Sarkar	Dr. C. Puttamadappa
Principal, COPS, DSU	Dean, SHS, DSU	Registrar, DSU

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PHARMACEUTICAL SCIENCES

DAYANANDA SAGAR UNIVERSITY
School of Health Sciences
Kumaraswamy Layout, Bengaluru -560111, Karnataka, Bharat

Feedback for Value Added Course 2023-24 - Plant Tissue Culture

Timestamp	Email Address	Student Name	Date	USN Number	Mobile Number	B.Pharm / Pharm.D / M.Pharm	How would you rate the overall quality of the course content	Was the course content relevant to your goals and expectations	Did the course materials support your learning effectively?	Did the course meet your expectations?
4-24-2024 08:26:09	greeshgreeshma399@gmail.com	Greeshma R	24-04-2024	HSC21PHOO32	7760848326	B pharm	Excellent	Very Relevant	Yes	Yes
4-24-2024 08:26:42	charangowda7795@gmail.com	Charan Gowda D	24-04-2024	HSC21PH0015	7795448344	BPharm	Good	Very Relevant	Yes	Yes
4-24-2024 08:36:15	bhatk830@gmail.com	Shreelakshmi Bhat	24-04-2024	HSC23PD0029	9620791942	Pharm.D	Good	Very Relevant	Yes	Yes
4-26-2024 8:39:12	ramyanekkanti2425@gmail.com	Nekkanti Ramya Satya Sri	26-04-2024	HSC21PH0050	8217719529	B pharm	Excellent	Very Relevant	Yes	Yes
4-24-2024 8:56:13	manojs51201@gmail.com	Manoj s	24-04-2024	HSC21PH0046	9886750260	B.Pharm	Excellent	Very Relevant	Yes	Yes
4-26-2024 9:46:34	amrutha.m102@gmail.com	Amrutha M	26-04-2024	HSC23PD0003	7022638254	Pharm D	Good	Very Relevant	Yes	Yes
4-24-2024 11:18:11	tejasreedsreenivas@gmail.com	D S TEJASREE	24-04-2024	HSC20PH0018	9880696618	B.Pharm	Excellent	Very Relevant	Yes	Yes
4-26-2024 11:55:34	prashima.priya03@gmail.com	Prashima Priyadarshni	26-04-2024	HSC21PH0056	9176729098	Bpharm	Excellent	Very Relevant	Yes	Yes
4-24-2024 18:27:50	cb4900371@gmail.com	C.TAMEEM KAUSAR	24-04-2024	HSC21PH0013	8088455189	B.Pharm	Good	Very Relevant	Yes	Yes
4-26-2024 19:58:03	diyashettydjd@gmail.com	Diya shetty	26-04-2024	HSC21PH0026	8217797075	BPharm	Excellent	Very Relevant	Yes	Yes
4-24-2024 20:00:37	shraddhaballur@gmail.com	Shraddha Ballur	24-04-2024	HSC21PH0074	9400233490	B pharm	Excellent	Very Relevant	Yes	Yes
4-26-2024 20:05:15	darshanms31p@gmail.com	Darshan S	26-04-2024	HSC21PH0020	9980798544	B Pharm	Excellent	Very Relevant	Yes	Yes

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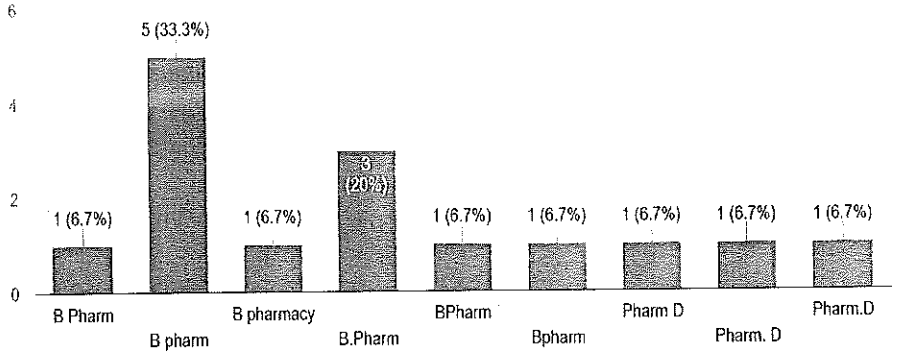
School of Health Sciences

Kumaraswamy Layout, Bengaluru -560111, Karnataka, Bharat

4-26-2024 20:44:14	jahnavimahesh2003@gmail.com	Jahnavi Mahesh	26-04-2024	HSC21PH0038	7349748771	B pharm	Excellent	Very Relevant	Yes	Yes
4-26-2024 21:26:04	harikishansh1690@gmail.com	Harikishan singh	26-04-2024	HSC19PD0010	8529755186	Pharm. D	Excellent	Very Relevant	Yes	Yes
4-24-2024 21:58:29	deepikamurthy04@gmail.com	Deepika M	24-04-2024	HSC21ph0022	6360000569	B pharm	Excellent	Very Relevant	Yes	Yes

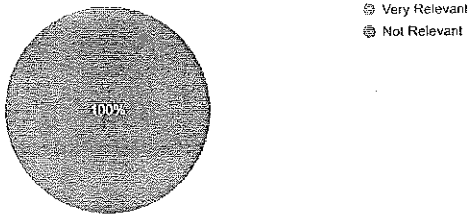
B.Pharm / Pharm.D / M.Pharm

15 responses



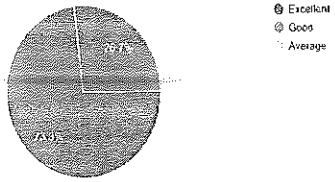
Was the course content relevant to your goals and expectations

15 responses



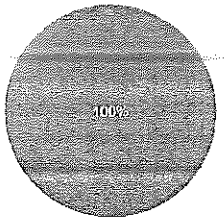
How would you rate the overall quality of the course content

15 responses



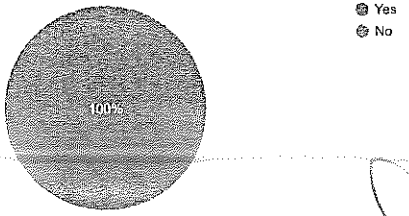
Did the course meet your expectations?

15 responses



Did the course materials support your learning effectively?

15 responses



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ASSIGNEMENT

PLANT TISSUE CULTURE

NAME : GREESHMA.R

USN NO : HSC21PH0032

COURSE/YEAR : B.PHARM ; 7th SEM

TOPIC : BIOTECHNOLOGY : SOME THOUGHTS PROVOKING NEWER IDEAS

SUBMITTED TO :

Dr. SHIVAKAMI MAM'm.

BIOTECHNOLOGY : SOME THOUGHTS PROVOKING NEWER IDEAS

Biotechnology is advancing rapidly, offering a wealth of thought-provoking ideas that would transform industries and societies. Some concepts emerging are :-

a) **Gene Editing and CRISPR :-** The potential of CRISPR to not only treat genetic disorders but also enhance human traits like intelligence, physical abilities, or disease resistance.

b) **Synthetic Biology :-** Building entirely new organisms or bio-machines that could be programmed for specific tasks, such as cleaning the environment, producing biofules food sources.

c) **Personalized Medicine :-** Using genetic information to tailor treatments to individuals, moving away from one-size-fits-all theraphies. Rise issues of privacy, cost and accessibility.

d) **Biohacking and Human Augmentation :-**
The DIY biology movement is pushing boundaries of human capabilities with implants, neural enhancements and wearable biotech.

e) **Bioprinting and tissue engineering :-**
Creating organs and tissues using 3D printing technology offers hope for organ transplant shortages, but also presents questions about commercialization of human body parts and long term safety of innovations.

f) **Agricultural Biotech and Food security :-**
Genetically modified crops, lab-grown meat, and vertical farming could address global food shortages and reduce environmental impact of traditional farming.

g) **Microbiome Engineering :-** Manipulating human microbiome to treat diseases or enhance health offers a less invasive approach than pharmaceuticals but understanding complex interaction b/w microbes and human body.

h) **Environmental Biotech:-** Bioengineering microbes or plants to clean up pollutants or store carbon could help mitigate climate change.

These ideas challenge existing norms in health, ethics and technology, driving conversations about what is possible versus what is permissible in future.

26/4/24

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PLANT TISSUE CULTURE.

Assignment - 01

Name :- Deepika. M

Reg No :- HSC21PH0022

Course / Year :- B. pharm, 7th Sem.

Topic :- plant biotechnology industries in karnataka.

Submitted To

Dr. Sivakami Mamim.

PLANT TISSUE CULTURE.

Plant biotechnology industries in Karnataka.

Karnataka has emerged as key player in india's plant biotechnology industry, with a strong ecosystem driven by government policies, research institution universities and private enterprises.

Here's an in-depth look of plant biotechnology sector in karnataka.

1) Favorable policies and Government Support.

- Karnataka innovation and technology Society (KITS): A nodal agency that promotes biotechnology and facilitate interaction between researches and industry.
- Biotechnology Finishing School (BTFS): These Schools provides industry - relevant training to young graduate to promote.
- Bengaluru Bioinnovation Centre (BBC): A State of art incubation facility that support startups & research in biotechnology.

2) Research and Academic institutions:

- Indian institutes of Science (IISc): IISc has strong research program in genetics engineering crop improvement, & plant genomics
- University of Agricultural Sciences (UAS), Bengaluru & Dharwad

- Jawaharlal Nehru Centre for advanced Scientific research (JNCASR) :- Involved in fundamental research that applications
- National Centre for Biological Sciences (NCBS) :- which focus on plant molecular biology and genetics.

3) private Sector and biotechnology parks.

- Biocon :- while primarily focused on healthcare biotechnology
- Monsanto :- (now part of Bayer Crop sciences) :- involved in crop development through genetic modification
- Syngenta :- A global leader in agricultural innovation with strong presence in Bengaluru.

Biotech parks such as Bengaluru Helix Biotech Park house a mix of Startups, mid-size firms,

4) Major Contribution in plant Biotechnology

- Genetic Engineering and Crop improvement :- Karnataka has contributed to development of genetically modified crops that are resistant to pests, diseases & environmental stresses.
- Tissue Culture and micropropagation :- Karnataka's biotech companies and research Centres have been pioneers in plant tissue culture technique, which used for mass propagation of diseases-free plants.
- Molecular breeding
- Biopesticides & Biofertilizers.

5) Collaborations and international partnership:

Karnataka has developed strong international collaboration in plant biotechnology with global research institute universities & Corporation.

6) Startup Ecosystem and innovation.

Bengaluru known as the "Silicon Valley of India"

- C-CAMP (Centre of Cellular and molecular platforms). This Bengaluru-based innovation hub provides incubation Services, funding & mentorship to early stage biotech startups many agri-biotech Startups are natural here.
- Agricultural Biotech Startups: This including precision farming, disease detection, Sustainable farming Solution

7) Challenges and future prospects:

- Regulatory hurdles: The regulation of genetically modified Organisms (GMOs) remains a challenge, Although GM cotton is widely used, other GM crops face regulatory bottlenecks due to public Concerns & government policies.
- Public perception:
- Climate change and Sustainability.

24/4/24

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Certificate Program 05

Pre-Clinical Research in Neuropharmacology

Objective of the Course:

1. To provide knowledge and understanding of various screening models. Used for the study *of* CNS *disorders.*
2. To appreciate the need *for* further research in the area of neuropharmacology.
3. To apply the knowledge of pre-clinical research in neuropharmacology in the pharmaceutical industry.

Course Outcomes:

1. Discuss the Fundaments of central nervous system pharmacology.
2. To understand the preclinical screening with reference to neurodegenerative disorders.
3. To know the recent drugs and available advanced therapy for CNS disorders.
4. Be able to communicate the scientific information as a report.

Course & Syllabus **30 hours**

Module — 1 **8 hours**

Fundamentals: Introduction to CNS pharmacology, neurotransmission in the CNS, neurodegeneration- mechanism and factors affecting, related neurodegenerative disorders.

Module —2 : **10 hours**

Screening models for common neurodegenerative disorders like Alzheimer's disease, Parkinson's disease, multiple sclerosis, schizophrenia and drug induced neurodegeneration.

Module —3 : **6 hours**

Recent advances in the screening and treatment of important neurodegenerative *disorders* like alzheimer's disease, parkinson's disease, multiple sclerosis etc.

Module — 4 : **6 hours**

Industrial applications of pre-clinical study in neuropharmacology

References:

1. Vogel hg, editor. Drug *discover y* and evaluation: pharmacological assays. Springer science & business medla; 2002 jun 13.
2. Brunton II, hilal-dandan r, knollmann bc, editors. Goodman & gilman's the pharmacological basis of *therapeut* ics. New york: mcgraw-Hill education; 2018.
3. Mattson mp, duan w, pedersen wa, culmsee c. Neurodegenerative disorder's and ischemic brain diseases. Apoptosis. 2001 ; 6(1):69-8 1.

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Dayananda Sagar University Bengaluru

Value Added Courses

Certificate Programs

College of Pharmaceutical Sciences, DSU

18th Mar- 03rd May 2024

Certificate Program 5

Pre-Clinical Research in Neuropharmacology

Click Here for Course Content Limited

Limited Seats

Last Date for registration: 15th Mar 2024

Click Here to Register



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COLLEGE OF
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VALUE ADDED COURSES (PHARMACOLOGY)

Student List

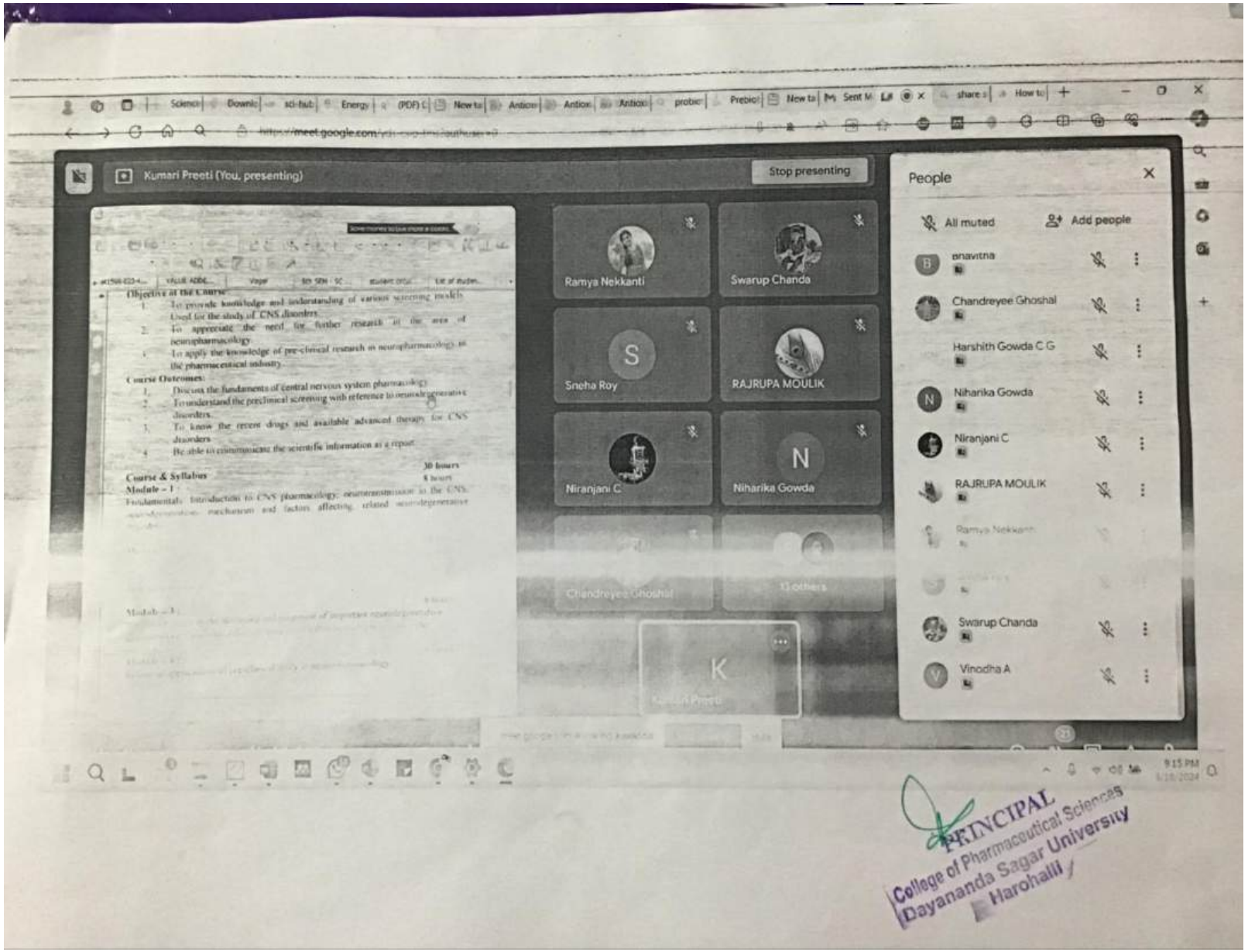
STUDENT FULL NAME	Email Address	Course	Year
Abhijeet Kumar	abhijeetk.0703@gmail.com	B Pharm	4th year /8th sem.
DARSHAN GOWDA B S	darshang987@gmail.com	M Pharm	1st year 1st semester
Akshaiya Sri C	akshaiyasri0405@gmail.com	Pharm D	3rd year
Harshith Gowda CG	harshithgowdacg@gmail.com	B Pharm	6th sem
Mateen Ahmed P	mateenahmed545@gmail.com	M Pharm	3rd semester
RAHUL L C	rahul4545naik@gmail.com	B Pharm	3 year/6th sem
Premalkumar. S	Premalkumar0@gmail.com	B Pharm	8th semester
Nekkanti Ramya Satya Sri	ramyanekkanti2425@gmail.com	B Pharm	6th sem
Aishwarya L	aishwaryal0102@gmail.com	B Pharm	6th sem
Anusree V	anusreerao.03@gmail.com	Pharm D	1st Year
Abhishek Pandey	abhishekpandeyasdf@gmail.com	Pharm D	1st
Sneha Roy	roysneha0911@gmail.com	Pharm D	1st year PHARM D
Amrutha M	amrutha.m102@gmail.com	Pharm D	1st year
Niranjani C	niranjanic0412@gmail.com	Pharm D	1st year
Arsallan Khurshid Tantry	arsallankhurshid3496@gmail.com	Pharm D	First year
Prathiksha Singh.A	prathikshasingh007@gmail.com	Pharm D	1st year
Abhishek Bakshi	bakshiabhishek03@gmail.com	Pharm D	1st
Ayan Ahmad mir	ahmadayaan7771@gmail.com	Pharm D	Year
Swarup Chanda	swarupchanda.shibai@gmail.com	Pharm D	1st year
VINODHA A	vinodha2865@gmail.com	Pharm D	First year
Bhavitha Ashwini	bhavith00000@gmail.com	Pharm D	1St year
Vidhathri M Nadig	vidhathrinadig@yahoo.com	Pharm D	6
Manish kumar	imanishkumar18@gmail.com	Pharm D	6
Sherin Anil	sherinanil8@gmail.com	Pharm D	6th year
Chandreyee Ghoshal	chandreyeeghoshal@gmail.com	Pharm D	6th
Kothapalli Nagapavani	pavanikothapalli5@gmail.com	Pharm D	6th year Pharm D
Madiha Sultana	Madihasultana778@gmail.com	Pharm D	5th year
Niharika	niharikagowda71@gmail.com	Pharm D	3rd year
Subham Banerjee	banerjeesubham910@gmail.com	Pharm D	4th year
Bhodhana S	bhodhana2016@gmail.com	Pharm D	3rd year
Bhavana. S	bhavanashankar15@gmail.com	Pharm D	5th year
Yashaswini BN	yashaswinibn008@gmail.com	B Pharm	1st year 2nd semester

COLLEGE OF
PHARMACEUTICAL SCIENCES

VALUE ADDED COURSES (PHARMACOLOGY)

Timetable

Sl.No.	Datex	Pre-clinical Research in Neuropharmacology
		6.30 – 7.30 PM
		Teacher Incharge
1	18-03-2024	Dr. Kumari Preeti (Module-I)
2	19-03-2024	Dr. Kumari Preeti (Module-I)
3	20-03-2024	Dr. Kumari Preeti (Module-I)
4	21-03-2024	Dr. Kumari Preeti (Module-I)
5	22-03-2024	Dr. Kumari Preeti (Module-I)
6	23-03-2024	Dr. Kumari Preeti (Module-I)
7	25-03-2024	Dr. Kumari Preeti (Module-I)
8	26-03-2024	Dr. Kumari Preeti (Module-I)
9	27-03-2024	Mrs. Jincy (Module-II)
10	28-03-2024	Mrs. Jincy (Module-II)
11	30-03-2024	Mrs. Jincy (Module-II)
12	08-04-2024	Mrs. Jincy (Module-II)
13	10-04-2024	Mrs. Jincy (Module-II)
14	12-04-2024	Mrs. Jincy (Module-II)
15	13-04-2024	Mrs. Jincy (Module-II)
16	15-04-2024	Mrs. Jincy (Module-II)
17	16-04-2024	Mrs. Jincy (Module-II)
18	17-04-2024	Mrs. Jincy (Module-II)
19	18-04-2024	Dr. Geetha K M (Module-III)
20	19-04-2024	Dr. Geetha K M (Module-III)
21	22-04-2024	Dr. Geetha K M (Module-III)
22	23-04-2024	Dr. Geetha K M (Module-III)
23	24-04-2024	Dr. Geetha K M (Module-III)
24	25-04-2024	Dr. Geetha K M (Module-III)
25	26-04-2024	Dr. Prashant Tiwari (Module-IV)
26	27-04-2024	Dr. Prashant Tiwari (Module-IV)
27	29-04-2024	Dr. Prashant Tiwari (Module-IV)
28	30-04-2024	Dr. Prashant Tiwari (Module-IV)
29	02-05-2024	Dr. Prashant Tiwari (Module-IV)
30	03-05-2024	Dr. Prashant Tiwari (Module-IV)



PRINCIPAL
College of Pharmaceutical Sciences
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COLLEGE OF PHARMACEUTICAL SCIENCES
DAYANANDA SAGR UNIVERSITY, BENGALURU-78

VALUE ADDED COURSE ON Preclinical Research in Neuropharmacology
ATTENDANCE SUMMARY

ATTENDANCE (18th March - 03 may 2024)

S.NO	NAME OF THE STUDENT	SEM/YEAR	18-Mar	19-Mar	20-Mar	21-Mar	22-Mar	23-Mar	25-Mar	26-Mar	27-Mar	28-Mar	30-Mar	06-Apr	10-Apr	12-Apr	13-Apr	15-Apr	16-Apr	17-Apr	#####	19-Apr	22-Apr	23-Apr	24-Apr	25-Apr	26-Apr	27-Apr	29-Apr	30-Apr	02-May	03-May
1	Abhijeet Kumar	B Pharm 8th sem	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
2	DARSHAN GOWDA B S	M Pharm 1st sem	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
3	Akshaya Sr C	Pharm D 3rd year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
4	Harshith Gowda CG	B Pharm 6th sem	1	A	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
5	Mateen Ahmed P	M Pharm 3rd sem	1	2	A	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
6	RAHUL L C	B Pharm 6th sem	1	2	3	A	4	5	A	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
7	Premsikumar S	B Pharm 8th sem	A	1	2	3	4	5	6	7	8	9	A	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
8	Nekkanti Ramya Satya Sri	B Pharm 6th sem	1	2	3	4	5	6	8	A	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
9	Aishwarya L	B Pharm 6th sem	1	2	3	4	5	6	7	8	9	10	11	A	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
10	Anusree V	Pharm D 1st Year	A	1	2	3	A	4	5	6	7	8	9	A	10	11	A	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
11	Abhishek Pandey	Pharm D 1st year	1	2	3	4	5	A	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
12	Sneha Roy	Pharm D 1st year	1	2	3	4	5	6	7	8	A	9	10	11	12	A	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
13	Amrutha M	Pharm D 1st year	1	2	3	4	5	6	7	8	9	10	11	12	A	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
14	Niranjani C	Pharm D 1st year	1	2	3	4	A	5	6	7	8	9	A	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
15	Ansallan Khurshid Tantry	Pharm D 1st year	1	2	3	4	5	6	7	8	9	10	11	12	13	A	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
16	Prathiksha Singh A	Pharm D 1st year	1	2	3	4	5	A	6	7	8	9	A	10	11	12	13	A	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
17	Abhishek Baksht	Pharm D 1st year	1	2	3	4	5	6	A	7	8	9	10	A	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
18	Ayan Ahmad mir	Pharm D 1st Year	1	2	3	4	5	6	7	8	9	A	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
19	Swarup Chandra	Pharm D 1st year	1	2	3	4	5	6	7	8	9	10	11	12	A	A	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
20	VINODHA A	Pharm D 1st year	1	A	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
21	Shavitha Ashwini	Pharm D 1st year	1	2	A	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
22	Vidhathri M Nadig	Pharm D 6th year	1	2	3	4	5	6	7	8	A	A	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
23	Manish kumar	Pharm D 6th year	1	2	A	A	3	4	5	6	7	8	A	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
24	Sherin Arif	Pharm D 6th year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
25	Chandreyee Ghoshal	Pharm D 6th year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
26	Kothapalli Nagapavani	Pharm D 6th year	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
27	Madiha Sultana	Pharm D 5th year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
28	Niharika	Pharm D 3rd year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
29	Subham Banerjee	Pharm D 4th year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
30	Bhothana S	Pharm D 3rd year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
31	Bhavana S	Pharm D 5th year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
32	Yashaswini BN	B Pharm 2nd sem	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

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DAYANANDA SAGAR UNIVERSITY

SCHOOL OF HEALTH SCIENCES

COLLEGE OF PHARMACEUTICAL SCIENCES

HAROHALLI, KANAKAPURA ROAD, KARNATAKA 562112, BHARAT

COLLEGE OF PHARMACEUTICAL SCIENCES

Certificate

This is to Certify that **Mr. ABHIJEET KUMAR**

has successfully completed a 30 hours value added course on

"Pre-Clinical Research in Neuropharmacology"

From 18th March to 03rd May 2024

Conducted by Department of Pharmacology, College of Pharmaceutical Sciences,

Dayananda Sagar University, Bengaluru

Dr. N.M.Raghavendra	Dr. Pushpa Sarkar	Dr. C. Puttamadappa
Principal, COPS, DSU	**Dean, SHS, DSU**	**Registrar, DSU**

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College of Pharmaceutical Sciences
Dayananda Sagar University
Harohalli

DAYANANDA SAGAR UNIVERSITY

SCHOOL OF HEALTH SCIENCES

COLLEGE OF PHARMACEUTICAL SCIENCES

HAROHALLI, KANAKAPURA ROAD, KARNATAKA 562112, BHARAT

COLLEGE OF

Certificate

This is to Certify that **Mr. DARSHAN GOWDA B S**

has successfully completed a 30 hours value added course on

"Pre-Clinical Research in Neuropharmacology"

From 18th March to 03rd May 2024

Conducted by Department of Pharmacology, College of Pharmaceutical Sciences,

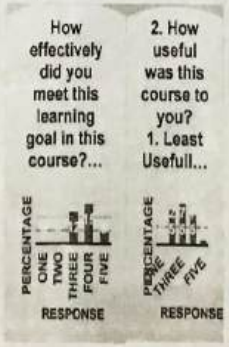
Dayananda Sagar University, Bengaluru

Dr. N.M.Raghavendra	Dr. Pushpa Sarkar	Dr. C. Puttamadappa
Principal, COPS, DSU	Dean, SHS, DSU	Registrar, DSU

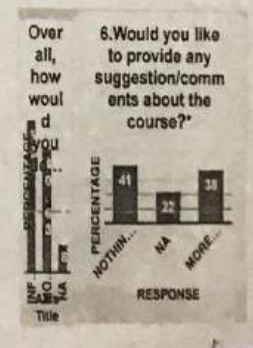
College of Pharmaceutical Sciences
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Harohalli

COLLEGE OF PHARMACEUTICAL SCIENCES
DAYANANDA SAGR UNIVERSITY, BENGALURU-78
VALUE ADDED CERTIFICATE COURSE 2023-2024
FEEDBACK SUMMARY

	STUDENT FULL NAME	Email Address	Course	Year	1.How effectively did you meet this learning goal in this course? Please rate on a scale from 1 to 5.	2. How useful was this course to you?*	3. Was the course well organized*	4.Would you suggest your friends/peers to take up this course in the next schedule?	5. .Overall, how would you describe the quality of the instructions in this course 1. INFORMATIVE 2. MODERATE 3. NA	6.Would you like to provide any suggestion/comments about the course?* 1. Nothing as such 2. NA 3. more recnt advacnes
1	Abhijeet Kumar	abhjeetk.0703@gmail.com	B Pharm	4th year /8th sem	5	3	4	YES	1	3
2	DARSHAN GOWDA B S	darshang987@gmail.com	M Pharm	1st year 1st semester	4	3	3	YES	1	3
3	Akshaya Sri C	akshayasri0405@gmail.com	Pharm D	3rd year	3	3	3	YES	3	1
4	Harshith Gowda CG	harshithgowdacg@gmail.com	B Pharm	6th sem	3	2	4	YES	2	2
5	Mateen Ahmed P	mateenahmed545@gmail.com	M Pharm	3rd semester	4	3	5	MAY BE	2	2
6	RAHUL L C	rahul4545naik@gmail.com	B Pharm	3 year/6th sem	4	3	3	MAY BE	2	1
7	Premalkumar S	Premalkumar0@gmail.com	B Pharm	8th semester	4	2	2	YES	2	3
8	Nekkanti Ramya Satya Sri	ramyanekkanti2425@gmail.com	B Pharm	6th sem	3	2	4	MAY BE	1	3
9	Aishwarya L	aishwaryal0102@gmail.com	B Pharm	6th sem	3	3	3	YES	1	3
10	Anusree V	anusreerao.03@gmail.com	Pharm D	1st Year	3	3	2	YES	1	1
11	Abhishek Pandey	abhishekpandeyasdl@gmail.com	Pharm D	1st	3	4	4	MAY BE	2	1
12	Sneha Roy	roysneha0911@gmail.com	Pharm D	1st year PHARM D	3	2	3	YES	2	1
13	Amrutha M	amrutha.m102@gmail.com	Pharm D	1st year	5	3	3	YES	1	2
14	Niranjani C	niranjanic0412@gmail.com	Pharm D	1st year	5	5	4	MAY BE	3	1
15	Arsallan Khurshid Tantry	arsallankhurshid3496@gmail.com	Pharm D	First year	5	3	3	MAY BE	1	3
16	Prathiksha Singh A	prathikshasingh007@gmail.com	Pharm D	1st year	4	3	3	YES	1	2
17	Abhishek Bakshi	bakshiabhishek03@gmail.com	Pharm D	1st	4	4	4	YES	2	2
18	Ayan Ahmad mir	ahmadayaan7771@gmail.com	Pharm D	Year	3	3	4	YES	2	1
19	Swarup Chanda	swarupchanda.shibai@gmail.com	Pharm D	1st year	4	4	4	YES	1	1
20	VINODHA A	vinodha2865@gmail.com	Pharm D	First year	5	2	3	YES	2	1
21	Bhavitha Ashwini	bhavith00000@gmail.com	Pharm D	1St year	4	4	3	MAY BE	1	3
22	Vidhathri M Nadig	vidhathrinadig@yahoo.com	Pharm D	6	4	4	5	YES	1	1
23	Manish kumar	manishkumar18@gmail.com	Pharm D	6	4	3	4	YES	1	3
24	Sherin Anil	sherinanil6@gmail.com	Pharm D	6th year	4	2	3	YES	2	3
25	Chandreyee Ghoshal	chandreyeeghoshal@gmail.com	Pharm D	6th	4	3	3	YES	1	3
26	Kothapalli Nagapavani	pavanikothapalli5@gmail.com	Pharm D	6th year Pharm D	3	4	4	YES	1	1
27	Madina Sultana	Madinasultana778@gmail.com	Pharm D	5th year	3	4	3	YES	1	1
28	Nihanika	nihanikagowda71@gmail.com	Pharm D	3rd year	4	3	3	MAY BE	2	2
29	Subham Banerjee	banerjeesubham910@gmail.com	Pharm D	4th year	3	3	4	YES	2	2
30	Bhodhana. S	bhodhana2016@gmail.com	Pharm D	3rd year	3	5	3	YES	2	3
31	Bhavana. S	bhavanashankar15@gmail.com	Pharm D	5th year	4	4	3	YES	3	3
32	Yashaswini BN	yashaswinibn008@gmail.com	B Pharm	1st year 2nd semester	4	4	4	YES	1	1







PRINCIPAL

List of the students enrolled for Value Added Courses 2023-2024

Health Education & First Aid (HFA)

Sl.No	Student Name	Email ID	Mob.No	Course	Year	Sign
1	Vishal K G	vishalkg58@gmail.com	9900290777	B Pharm	8th sem	
2	Sneha	Snehaniharikagowda@gmail.com	9380768178	B Pharm	6th sem	
3	Darshan Gowda C P	darshangowdac.p123@gmail.com	7892693595	B Pharm	6th sem	
4	Darshan Gowda B S	darshang987@gmail.com	7019064521	M Pharm	1st sem	
5	Gireesh Goswami	gireesh0030@gmail.com	8082599766	B Pharm	3rd year	
6	Bhoomika M	bhoomika03.reddy@gmail.com	9035907503	B Pharm	6th sem	
7	Iswarya.M	miswarya620@gmail.com	9686051811	B Pharm	6th sem	
8	Tufail Mehraj Parray	tufailparray72@gmail.com	6005424704	B Pharm	3 year	
9	Anoosha AB	anooshaab6@gmail.com	6362142607	B Pharm	3rd year	
10	Vedha Subramanireddy	Vedhavedha1213@gmail.com	6381226787	B Pharm	6th sem	
11	Kumari Sakshi	Kumarisakshi6064@gmail.com	7480803533	B Pharm	6th Sem	
12	Akash Bk	abk022020@gmail.com	9916226480	B Pharm	8th Sem	
13	Mahesh Babu S	maheshbabusmb08@gmail.com	8870949964	B Pharm	8th Sem	
14	Ajay Kumar R	ajaykumarraju31@gmail.com	6364510581	B Pharm	3rd Year	
15	Vathan Jain	vanithavathan@gmail.com	7676206236	B Pharm	2nd Sem	
16	Shreelakshmi Bhat	bhatk830@gmail.com	9620791942	Pharm D	1st year	
17	Ishika Menon	ishikamenon109@gmail.com	6203124812	Pharm D	1st year	
18	Ayesha Akbar Shariel	ayeshaakbar865@gmail.com	8050383967	Pharm D	3rd year	
19	Akshata B Deshpande	deshpandeakshata431@gmail.com	8951316622	Pharm D	1st year	
20	Shreya Jayasimha	shreya.jayasimha2004@gmail.com	8861010123	Pharm D	1st year	
21	Arifaa Sait	arifasait210@gmail.com	7200748231	Pharm D	1st sem	
22	Anushka A Palankar	anushkaapalankar@gmail.com	9449538549	Pharm D	5th year	
23	Priyanka Kumari R	priyanka20002012@gmail.com	9620963658	Pharm D	5th year	
24	Srishti	srish26112000@gmail.com	7349679866	Pharm D	5th year	

25	Lekhana T	lekhanagowda940@gmail.com	9019220332	Pharm D	4th Year	
26	Jhanavi.C	Jhanavichandra9@gmail.com	9035817457	Pharm D	4th Year	
27	Dinesh Kumar M	Dineshds5359@gmail.com	9080497346	Pharm D	1st year	
28	Humera Hameed	hameedhumera45@gmail.com	8867051512	Pharm D	3rd Year	
29	Diya Joshy	diyajoshy01@gmail.com	8921991848	Pharm D	4th Year	
30	Lakshmi Priya G	lakshmi0128priya@gmail.com	9742070333	Pharm D	4th Year	
31	Sai G Karthik	saigkarthik.raj@gmail.com	8553912102	Pharm D	4th Year	
32	Piyali Das	daspiyali1312@gmail.com	7086211167	Pharm D	5th Year	
33	Dhruvathara	dhruvathara.ng18@gmail.com	9964804828	Pharm D	6th Year	
34	Ankitha .P	ankithapyadav@gmail.com	7975094261	Pharm D	4th Year	
35	Shema Manoj	shemamanoj2001@gmail.com	8277254656	Pharm D	4th Year	
36	Gooty Shanaz	gshanaz2000@gmail.com	9513732211	Pharm D	5th Year	
37	Abhirup Bhusan Nandi	abhirupnandi24@gmail.com	9475842275	Pharm D	5th Year	AbN
38	Harikishan	harikishansh1690@gmail.com	8529755186	Pharm D	5th Year	
39	Hemalatha A	hemalatha682@gmail.com	6366061159	Pharm D	5th Year	Ha
40	Ardra Pramod	ardrapramodmt@gmail.com	8867410295	Pharm D	4th Year	
41	Monimala Bhowmik	monimala7bhowmik@gmail.com	8101420129	Pharm D	5th Year	
42	Sanmik Chakraborty	sanmukhra50e@gmail.com	7003858592	Pharm D	5th Year	
43	Anjali Bhagat	dranjalibhagat@gmail.com	8529183172	Pharm D	6th Year	
44	Manasvi Tyagi	manasvityagi411@gmail.com	9773837315	Pharm D	6th Year	
45	Prashima Priyadarshini	prashima.priya03@gmail.com	9176729098	B Pharm	6th Sem	
46	Priya Bhatt	bhatt.priya27@gmail.com	9739366746	Pharm D	4th Year	
47	Kusumanjali R V	kusumanjali.rv@gmail.com	9480891533	Pharm D	6th Year	
48	Varshini HK	varshini.hkrishna@gmail.com	7619591980	Pharm D	4th Year	

PRINCIPAL

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College Of Pharmaceutical Sciences

Certificate Program 06

Health Education & First Aid – 22VAC07

Objectives of the course:

1. The course has been developed with the following objective for the students to understand:
2. The concept of health and first aid
3. The concept of communicable diseases
4. To know the various ways of first aiding during emergencies

Course outcomes:

1. The value-added course on health education will help the individuals about the complete health 2. Learn the skill needed to assess the ill or injured person.
2. Learn the skills to provide CPR to infants, children and adults.
3. Learn the skill to identify Mental Health status and Psychological First Aid

Course & Syllabus **(30 hours)**

Module-1: Health concepts: 10 hours

Introduction to health, Definition of physical health, mental health, social health, indicatory of health, concept of disease, natural history of diseases, the disease agents, concept of prevention of diseases. Hand washing and Hygiene

Module - 2: 08 Hours

1. Nutrition and health: Classification of foods, requirements, diseases induced due to deficiency of proteins, vitamins and minerals-treatment and prevention
2. Communicable diseases: Causative agents, mode of transmission and prevention.

Module-3: 07 Hours

First aid: Introduction to first aid and definition of first aid, Dealing with an emergency, Resuscitation (basic CPR), Recovery position, Types and Content of a First aid Kit, Dressings and Bandages
First aid related with Wounds and Injuries, Type of wounds, Small cuts and abrasions, Shock

Module -4: 05 Hours

Specific emergency satiation and disaster management, Emergencies at educational institutes and work, Road and traffic accidents.

References:

1. Thakaore Bhai, P. Gandhi and Harit R. Derasari, Elements of Human Anatomy Physiology and Heath Education, B.S. Shah Publishers, 12th Ed, 2004.
2. Douglas E. Kelly, Richard L. Wood and Allen C. Enders, Bailey's Text Book of Microscopic Anatomy, Williams & Wilkins Publishers, 18th Ed, 1984.

Bengaluru

Value Added Courses

College of Pharmaceutical Sciences, DSU

20th Mar- 27th Apr 2024

Certificate Program 6
Health Education and First aid

Click Here for Course Content Limited

Limited Seats

Last Date for registration: 15th Mar 2024

Click Here to Register



Attendance Summary for Health Education & First Aid

No	Student Name	Course	Year	20.03.2024	21.03.2024	22.03.2024	23.03.2024	25.03.2024	26.03.2024	27.03.2024	28.03.2024
	Vishal K G	B Pharm	8th sem	1	2	3	Ab	5	6	7	8
	Sneha	B Pharm	6th sem	1	2	3	4	5	6	7	Ab
	Darshan Gowda cp	B Pharm	6th sem	1	2	3	4	5	Ab	7	8
	DARSHAN GOWDA B S	M Pharm	1st sem	1	2	3	4	5	6	7	8
	Gireesh Goswami	B Pharm	3rd year	1	2	3	4	5	6	7	8
6	Bhoomika M	B Pharm	6th sem	1	2	3	4	5	6	7	8
	ISWARYA M	B Pharm	6th sem	1	2	3	4	5	6	7	8
8	Tufail Mehraj Parras	B Pharm	3 year	1	2	3	4	5	6	7	8
9	Anoosha AB	B Pharm	3rd year	1	2	3	4	5	Ab	7	8
10	Vedha Subramanireddy	B Pharm	6th sem	1	2	3	Ab	4	5	6	7
11	Kumari sakshi	B Pharm	6th Sem	1	2	3	Ab	4	5	6	7
12	AKASH BK	B Pharm	6th Sem	1	2	3	Ab	4	5	6	7
13	Mahesh Babu S	B Pharm	8th Sem	1	2	3	4	5	6	7	8
14	Ajay Kumar R	B Pharm	3rd Year	1	2	3	4	5	6	7	8
15	Vathan Jain	B Pharm	2nd Sem	1	2	3	4	5	6	7	8
16	Shreelakshmi Bhat	Pharm D	1st year	1	2	3	4	5	6	7	8
17	Ishika Menon	Pharm D	1st year	1	2	3	4	5	6	7	8
18	Ayesha Akhar Sharief	Pharm D	3rd year	1	2	3	4	5	6	7	8
19	Akshata B Deshmanir	Pharm D	1st year	1	2	3	4	5	6	7	8
20	Shreya Jayasimha	Pharm D	1st year	1	2	3	Ab	4	5	6	7
21	Arifaz sab	Pharm D	1st sem	1	2	3	Ab	4	5	6	7
22	Anushka A Palankar	Pharm D	5th year	1	2	3	4	5	6	7	8
23	Priyanka Kumary R	Pharm D	5th year	1	2	3	4	5	6	7	8
24	Srishti	Pharm D	5th year	1	2	3	4	5	6	7	8
25	Lekhana T	Pharm D	4th Year	1	2	3	4	5	6	7	8
26	Jhanavi C	Pharm D	4th Year	1	2	3	4	5	6	7	8
27	Dinesh Kumar. M	Pharm D	1st year	1	2	3	4	5	6	7	8
28	Humera Hameed	Pharm D	3rd Year	1	2	3	4	5	6	7	8
29	Diya Joshy	Pharm D	4th Year	1	2	3	4	5	6	7	8
30	Lakshmi Priya G	Pharm D	4th Year	1	2	3	4	5	6	7	8
31	Sai G Karthik	Pharm D	4th Year	1	2	3	4	5	6	7	8
32	Piyali Das	Pharm D	5th Year	1	2	3	4	5	6	7	8
33	Dhruvashara	Pharm D	6th Year	1	2	3	4	5	6	7	8
34	Anhitha p	Pharm D	4th Year	1	2	3	4	5	6	7	8
35	Sharma Manoj	Pharm D	4th Year	1	2	3	4	5	6	7	8
36	Gouty Shanaz	Pharm D	5th Year	1	2	3	4	5	6	7	8
37	Abhirup Bhusan Nandi	Pharm D	5th Year	1	2	3	4	5	6	7	8
38	Harikeshan	Pharm D	5th Year	1	2	3	4	5	6	7	8
39	Hemalatha A	Pharm D	5th Year	1	2	3	4	5	6	7	8
40	Ardra Pramod	Pharm D	4th Year	1	2	3	4	5	6	7	8
41	Manimala Bhowmik	Pharm D	5th Year	1	2	3	4	5	6	7	8
42	Samik Chakraborty	Pharm D	5th Year	1	2	3	4	5	6	7	8
43	Anjali Bhagat	Pharm D	6th Year	1	2	3	4	5	6	7	8
44	Manasvi Tyagi	Pharm D	6th Year	1	2	3	4	5	6	7	8
45	Prashima Priyadarshini	B Pharm	6th Sem	1	2	3	4	5	6	7	8
46	Priya Bhatt	Pharm D	4th Year	1	2	3	4	5	6	7	8
47	Kusumanjali R V	Pharm D	6th Year	1	2	3	4	5	6	7	8
48	Varshini BK	Pharm D	4th Year	1	2	3	4	5	6	7	8

Attendance Summary for Health Education & First Aid

Sno	Student Name	Course	Year	30.03.2024	01.04.2024	02.04.2024	03.04.2024	05.04.2024	06.04.2024	08.04.2024	10.04.2024
1	Vishal K G	B Pharm	8th sem	8	9	10	11	12	13	14	15
2	Sneha	B Pharm	6th sem	8	9	10	11	12	13	14	15
3	Darshan Gowda cp	B Pharm	6th sem	8	9	10	11	12	13	14	15
4	DARSHAN GOWDA B S	M Pharm	1st sem	9	10	Ab	11	12	13	14	15
5	Gireesh Goswami	B Pharm	3rd year	9	10	Ab	11	12	13	14	15
6	Bhoomika M	B Pharm	6th sem	9	10	11	12	13	14	15	16
7	ISWARYA M	B Pharm	6th sem	9	10	11	12	13	14	15	16
8	Tufail Mehraj Parras	B Pharm	3 year	9	10	Ab	Ab	Ab	11	12	13
9	Ammsha AB	B Pharm	3rd year	8	9	10	11	12	13	14	15
10	Vedha Subramanreddy	B Pharm	6th sem	8	9	10	11	12	13	14	15
11	Kumari sakshi	B Pharm	6th Sem	8	9	10	11	12	13	14	15
12	AKASH BK	B Pharm	8th Sem	8	9	10	11	12	13	14	15
13	Mahesh Babu S	B Pharm	8th Sem	9	10	11	12	13	14	15	16
14	Ajay Kumar R	B Pharm	4th Year	9	10	11	12	13	14	15	16
15	Yashen Jain	B Pharm	2nd Sem	9	10	Ab	11	12	13	14	15
16	Shreelakshmi Bhat	Pharm D	1st year	9	10	11	12	13	14	15	16
17	Ishika Menon	Pharm D	1st year	9	10	Ab	11	12	13	14	15
18	Ayesha Akbar Sharief	Pharm D	3rd year	9	10	11	12	13	14	15	16
19	Akshata B Deshpande	Pharm D	1st year	9	10	11	12	13	14	15	16
20	Shreya Jayarmbha	Pharm D	1st year	8	9	10	11	12	13	14	15
21	Ardaa sati	Pharm D	1st sem	8	9	10	11	12	13	14	15
22	Anushka A Palanthar	Pharm D	5th year	9	10	11	12	13	14	15	16
23	Priyanka Kumari R	Pharm D	5th year	9	10	11	12	13	14	15	16
24	Srishti	Pharm D	5th year	9	10	11	12	13	14	15	16
25	Lekhana T	Pharm D	4th Year	9	10	11	12	13	14	15	16
26	Jhanavi C	Pharm D	4th Year	9	10	11	12	13	14	15	16
27	Dinesh Kumar M	Pharm D	1st year	9	10	Ab	11	12	13	14	15
28	Humera Hameed	Pharm D	3rd Year	9	10	11	12	13	14	15	16
29	Diya Jonby	Pharm D	4th Year	9	10	11	12	13	14	15	16
30	Lakshmi Priya G	Pharm D	4th Year	9	10	11	12	13	14	15	16
31	Sai G Karthik	Pharm D	4th Year	9	10	11	12	13	14	15	16
32	Piyali Das	Pharm D	5th Year	9	10	11	12	13	14	15	16
33	Dhruvalhora	Pharm D	6th Year	9	10	11	12	13	14	15	16
34	Ankitha .P	Pharm D	4th Year	9	10	11	12	13	14	15	16
35	Sheena Manot	Pharm D	4th Year	9	10	11	12	13	14	15	16
36	Gauty Shankar	Pharm D	5th Year	9	10	11	12	13	14	15	16
37	Abhirup Bhavan Nandi	Pharm D	5th Year	9	10	Ab	11	12	13	14	15
38	Harikishan	Pharm D	5th Year	9	10	11	12	13	14	15	16
39	Hemalatha A	Pharm D	5th Year	9	10	11	12	13	14	15	16
40	Ardra Pramod	Pharm D	4th Year	9	10	11	12	13	14	15	16
41	Manimala Bhowmik	Pharm D	5th Year	9	10	Ab	11	12	13	14	15
42	Sanuik Chakrabortt	Pharm D	5th Year	9	10	11	12	13	14	15	16
43	Anjali Bhagat	Pharm D	6th Year	9	10	11	12	13	14	15	16
44	Manasvi Tyagi	Pharm D	6th Year	9	10	11	12	13	14	15	16
45	Prashuna Priyadarshini	B Pharm	6th Sem	9	10	11	12	13	14	15	16
46	Priya Bhatt	Pharm D	4th Year	9	10	11	12	13	14	15	16
47	Kusumanjali R V	Pharm D	6th Year	9	10	11	12	13	14	15	16
48	Varshini HR	Pharm D	4th Year	9	10	11	12	13	14	15	16

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Course Summary for Health Education & First Aid

Sl. No.	Student Name	Course	Year	12-04-2024	13-04-2024	15-04-2024	16-04-2024	17-04-2024	18-04-2024	19-04-2024	20-04-2024
1	Vishal K G	B Pharm	8th sem	16	17	18	19	Ab	20	21	22
2	Sneha	B Pharm	6th sem	16	17	18	19	20	21	22	23
3	Darshan Gowda cp	B Pharm	6th sem	16	17	18	19	Ab	20	21	22
4	DARSHAN GOWDA B S	M Pharm	1st sem	16	17	18	19	Ab	20	21	22
5	Gireesh Goswami	B Pharm	3rd year	16	17	18	19	Ab	20	21	22
6	Bhoomika M	B Pharm	6th sem	17	18	19	20	Ab	21	22	23
7	ISWARYA M	B Pharm	6th sem	17	18	19	20	21	22	23	24
8	Tufail Mehraj Parray	B Pharm	3 year	14	15	16	17	Ab	18	19	20
9	Anoosha Ali	B Pharm	3rd year	16	17	18	19	20	21	22	23
10	Vedha Subramanireddy	B Pharm	6th sem	16	17	18	19	Ab	20	21	22
11	Kumari sakshi	B Pharm	6th Sem	16	17	18	19	Ab	20	21	22
12	AKASH BK	B Pharm	8th Sem	16	17	18	19	Ab	20	21	22
13	Mahesh Babu S	B Pharm	8th Sem	17	18	19	20	21	22	23	24
14	Ajay Kumar R	B Pharm	3rd Year	17	18	19	20	21	22	23	24
15	Vathan Jain	B Pharm	2nd Sem	16	17	18	19	Ab	20	21	22
16	Shreelakshmi Bhat	Pharm D	1st year	17	18	19	20	Ab	21	22	23
17	Ishika Menon	Pharm D	1st year	16	17	18	19	20	21		
18	Ayesha Akbar Shariel	Pharm D	3rd year	17	18	19	20	21	22	23	24
19	Akshata B Deshpande	Pharm D	1st year	17	18	19	20	21	22	23	24
20	Shreya Jayasimha	Pharm D	1st year	16	17	18	19	20	21	22	23
21	Arifaa sait	Pharm D	1st sem	16	17	18	19	Ab	20	21	22
22	Anushka A Palankar	Pharm D	5th year	17	18	19	20	21	22	23	24
23	Priyanka Kumari R	Pharm D	5th year	17	18	19	20	21	22	23	24
24	Srishti	Pharm D	5th year	17	18	19	20	Ab	21	22	23
25	Lekhana T	Pharm D	4th Year	17	18	19	20	21	22	23	24
26	Jhanavi C	Pharm D	4th Year	17	18	19	20	21	22	23	24
27	Dinesh Kumar. M	Pharm D	1st year	16	17	18	19	20	21	22	23
28	Humera Hameed	Pharm D	4th Year	17	18	19	20	21	22	23	24
29	Diya Joshy	Pharm D	4th Year	17	18	19	20	21	22	23	24
30	Lakshmi Priya G	Pharm D	4th Year	17	18	19	20	21	22	23	24
31	Sai G Karthik	Pharm D	4th Year	17	18	19	20	21	22	23	24
32	Piyali Das	Pharm D	5th Year	17	18	19	20	21	22	23	24
33	Dhruvathara	Pharm D	6th Year	17	18	19	20	Ab	21	22	23
34	Ankitha .p	Pharm D	4th Year	17	18	19	20	21	22	23	24
35	Shena Manoj	Pharm D	4th Year	17	18	19	20	Ab	21	22	23
36	Gooty Shanaz	Pharm D	5th Year	17	18	19	20	21	22	23	24
37	Abhirup Bhusan Nandi	Pharm D	5th Year	17	18	19	20	21	22	23	24
38	Harikishan	Pharm D	5th Year	16	17	18	19	Ab	20	21	22
39	Hemalatha A	Pharm D	5th Year	17	18	19	20	21	22	23	24
40	Ardra Pramod	Pharm D	4th Year	17	18	19	20	Ab	21	22	23
41	Monimala Bhowmik	Pharm D	5th Year	17	18	19	20	21	22	23	24
42	Samik Chakrabortty	Pharm D	5th Year	16	17	18	19	Ab	20	21	22
43	Anjali Bhagat	Pharm D	6th Year	17	18	19	20	21	22	23	24
44	Manasvi Tyagi	Pharm D	6th Year	17	18	19	20	Ab	21	22	23
45	Prashuna Priyadarshini	B Pharm	6th Sem	17	18	19	20	21	22	23	24
46	Priya Bhati	Pharm D	4th Year	17	18	19	20	21	22	23	24
47	Kusumanjali R V	Pharm D	6th Year	17	18	19	20	21	22	23	24
48	Varshini HK	Pharm D	4th Year	17	18	19	20	Ab	21	22	23

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SCHOOL OF HEALTH SCIENCES

COLLEGE OF PHARMACEUTICAL SCIENCES

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Certificate

This is to Certify that Mr. **VISHAL K G**

has successfully completed a 30 hours value added course on

"Health Education & First Aid"

From 18th March to 23rd July 2024

Conducted by Department of Pharmacy Practice, College of Pharmaceutical Sciences,
Dayananda Sagar University, Bengaluru

Dr. N.M.Raghavendra	Dr. Pushpa Sarkar	Dr. C. Puttamadappa
Principal, COPS, DSU	Dean, SHS, DSU	Registrar, DSU

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COLLEGE OF PHARMACEUTICAL SCIENCES

HAROHALLI, KANAKAPURA ROAD, KARNATAKA 562112, BHARAT.

Certificate

This is to Certify that Ms. **SNEHA**

has successfully completed a 30 hours value added course on

"Health Education & First Aid"

From 18th March to 23rd July 2024

Conducted by Department of Pharmacy Practice, College of Pharmaceutical Sciences,
Dayananda Sagar University, Bengaluru

Dr. N.M.Raghavendra
Principal, COPS, DSU

Dr. Pushpa Sarkar
Dean, SHS, DSU

Dr. C. Puttamadappa
Registrar, DSU

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COLLEGE OF PHARMACEUTICAL SCIENCES

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Certificate

This is to Certify that Mr. **DARSHAN GOWDA C P**

has successfully completed a 30 hours value added course on

"Health Education & First Aid"

From 18th March to 23rd July 2024

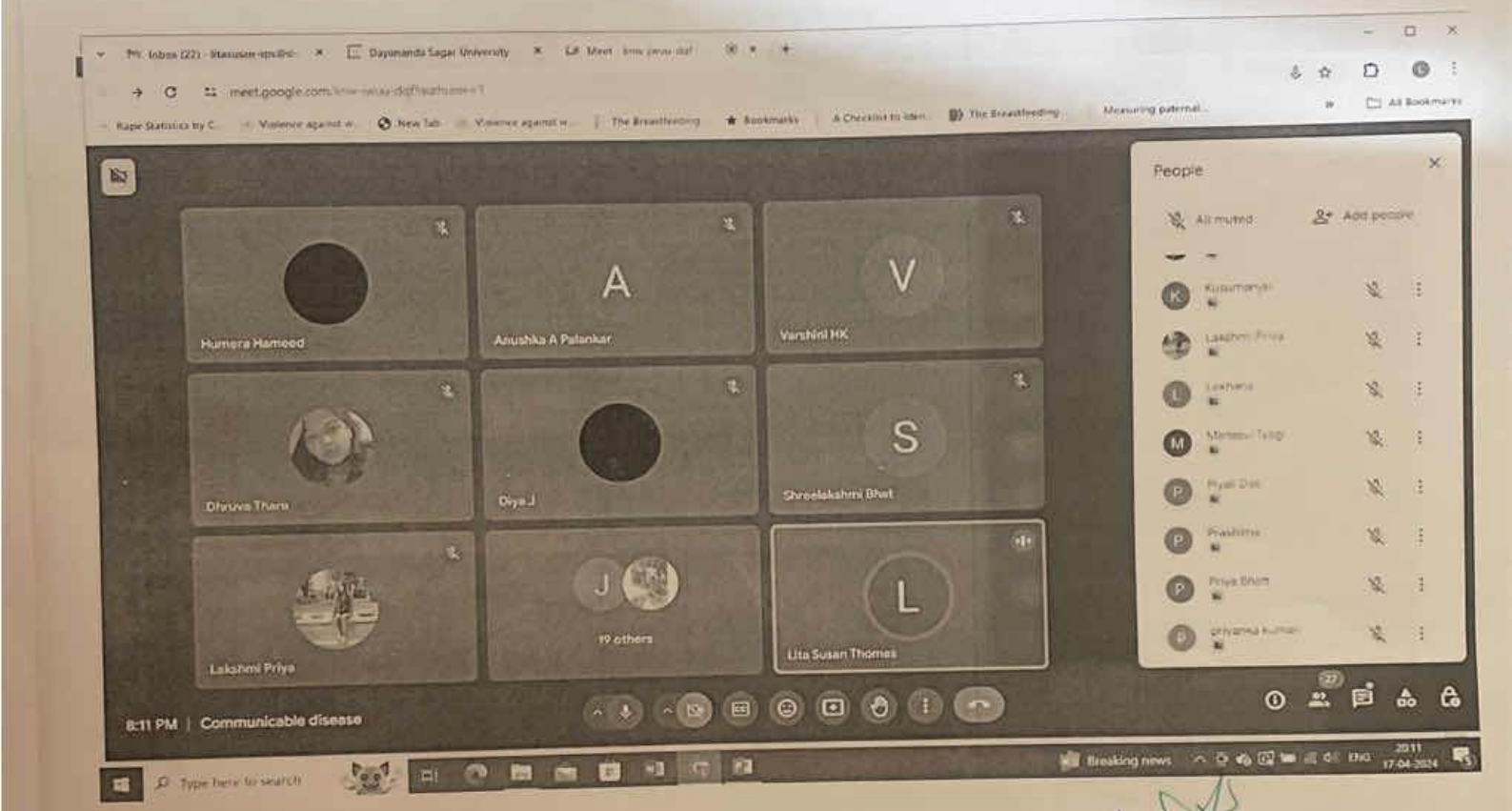
Conducted by Department of Pharmacy Practice, College of Pharmaceutical Sciences,
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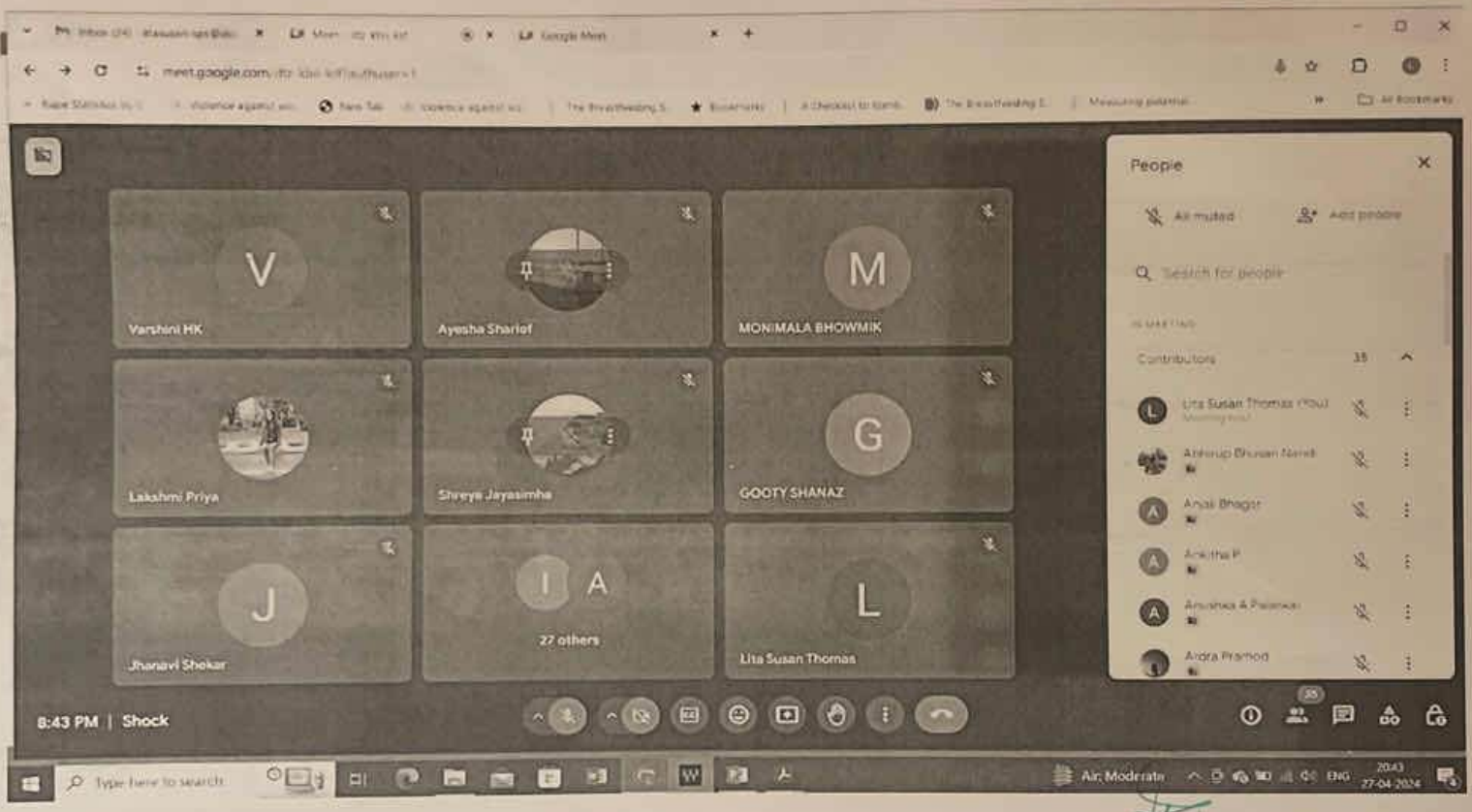
Dr. N.M.Raghavendra
Principal, COPS, DSU

Dr. Pushpa Sarkar
Dean, SHS, DSU

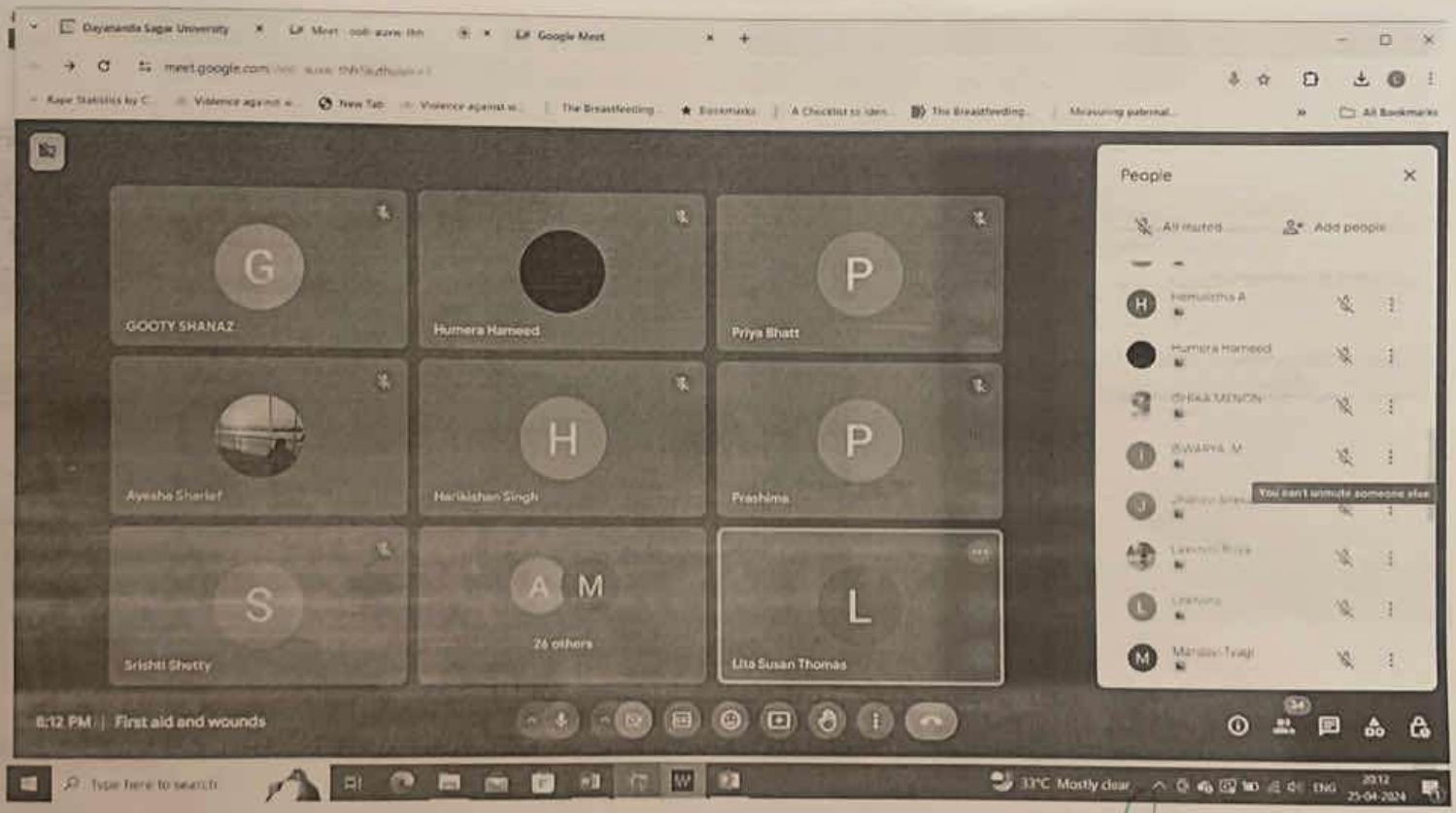
Dr. C. Puttamadappa
Registrar, DSU

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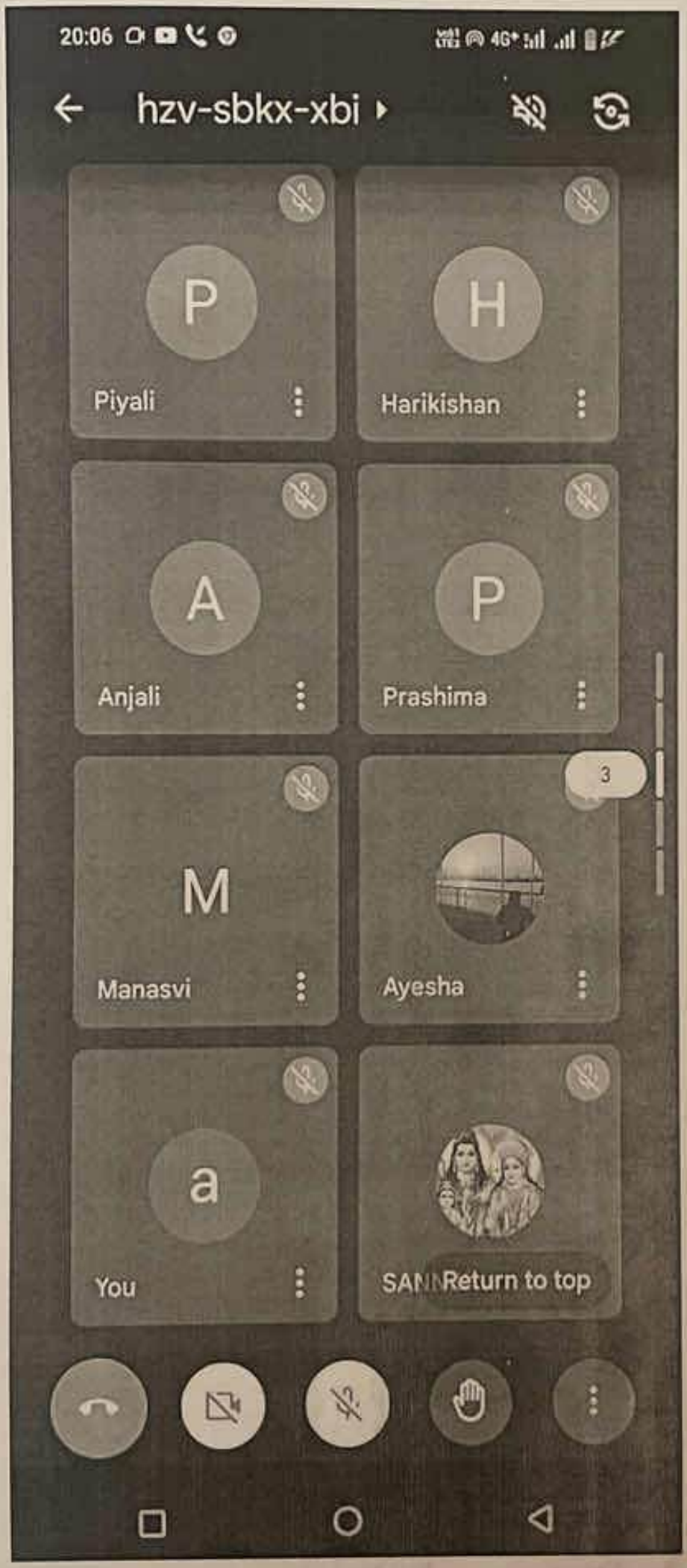

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Health Education & First Aid
Time Table

Sl. No.	Date	Health Education & First Aid
		7.30 pm – 8.30 pm
		Teacher Incharge
1	20-03-2024	Dr. Manoj
2	21-03-2024	Dr. Pravalika
3	22-03-2024	Dr. Manoj
4	23-03-2024	Dr. Pravalika
5	25-03-2024	Dr. Manoj
6	26-03-2024	Dr. Pravalika
7	27-03-2024	Dr. Manoj
8	28-03-2024	Dr. Pravalika
9	30-03-2024	Dr. Manoj
10	01-04-2024	Dr. Pravalika
11	02-04-2024	Dr. Azhar
12	03-04-2024	Dr. Mahadevamma
13	05-04-2024	Dr. Azhar
14	06-04-2024	Dr. Mahadevamma
15	08-04-2024	Dr. Azhar

Health Education & First Aid

Time Table

Sl. No.	Date	Health Education & First Aid
		Teacher Incharge
16	10-04-2024	Dr. Mahadevamma
17	12-04-2024	Dr. Azhar
18	13-04-2024	Dr. Mahadevamma
19	15-04-2024	Dr. Azhar
20	16-04-2024	Dr. Mahadevamma
21	17-04-2024	Dr. Lita
22	18-04-2024	Dr. Anju
23	19-04-2024	Dr. Lita
24	20-04-2024	Dr. Anju
25	22-04-2024	Dr. Lita
26	23-04-2024	Dr. Anju
27	24-04-2024	Dr. Lita
28	25-04-2024	Dr. Anju
29	26-04-2024	Dr. Lita
30	27-04-2024	Dr. Anju

Email address	Name	Date	Ongoing program in DS	Mobile number	USN number	How relevant was the course content to your current studies or future career goals? (1=non-relevant 5- extremely relevant)	How engaging were the instructors in delivering the course? (1 = Not engaging, 5 = Extremely engaging)	How useful did you find the course materials (presentations) in enhancing your understanding? (1 = Not useful, 5 =	How would you rate the quality of the teaching materials and resources provided during the course? (1 = Poor, 5 = Excellent)	Overall, how satisfied are you with the skills or knowledge gained from this course? (1 = Not satisfied,
monmala7bhow	Monmala Bhowmik	09-11-24	Pharm D	8101420129	HSC18PD0013	5	5	4	4	3
priyanka2000201	Priyanka Kumari R	09-11-24	Pharm-D	9820963658	HSC19PD0016	5	5	5	5	5
abiphenomenal8	Abhirup Bhusan Nandi	09-11-24	Pharm D	9475842275	HSC18PD0001	5	5	5	5	5
bhatt.priya27@gr	Priya Bhatt	09-11-24	PharmD	8739366746	HSC20PD0014	4	4	4	4	4
darshang987@g	DARSHAN GOWDA B	09-11-24	M pharm	7019084521	HSC23MPL003	1	2	1	1	1
gshanaz2000@g	GOOTY SHANAZ	09-11-24	PHARM - D	9513732211	HSC18PD0009	4	5	3	4	4
hameedhumera4	HUMERA HAMEED	09-11-24	DOCTOR OF PHARMACY	8867051512	HSC21PD0010	4	4	5	5	4
lakshmi012&priya	Lakshmi Priya G	11-11-24	Pharm D	9974207033	HSC20PD0008	4	5	5	5	5
leshanagowda94	Leshana T	11-11-24	Pharm. D	9019220333	HSC20PD0007	5	5	5	5	5
gshanaz2000@g	GOOTY SHANAZ	13-11-24	Pharm - D	9513732211	HSC18PD0009	4	4	4	4	4
hameedhumera4	HUMERA HAMEED	27-04-24	DOCTOR OF PHARMACY	8867051512	HSC21PD0010	4	5	4	4	4
gshanaz2000@g	GOOTY SHANAZ	27-04-24	Pharm D	9513732211	HSC18PD0009	4	4	4	4	4
anushka.palekar	Anushka A Palekar	27-04-24	PharmD Internship	9448836048	HSC19PD0003	5	4	3	4	5
bhatt.priya27@gr	Priya Bhatt	27-04-24	PharmD	8739366746	HSC20PD0014	4	4	4	4	4
varshini.harishna	Varshini H.K	13-11-24	Pharm d	7619591980	HSC20PD0026	4	4	4	4	4
varshini.harishna	Varshini H.K	24-04-24	Pharm d	7619591980	HSC20PD0026	4	4	4	4	4
kusumanjali.rv@	Kusumanjali R V	27-04-24	Internship	9380891533	HSC18PD0013	4	5	4	5	5
hemalathaa682@	HEMALATHA A	27-04-24	Pharm D	6366061159	HSC19PD0011	4	4	4	4	4
shemmmmy200	Sherna Manoj	27-04-24	V. pharm d	8277254656	HSC20PD0018	4	4	4	4	5
bhavanamanju72	Bhavana J M	27-04-24	Pharm D	6362570244	HSC19PD0004	4	3	3	3	3
manasvisagi411	Manasvi Tyagi	27-04-24	Pharm D	8777637315	HSC18PD0015	3	3	3	3	3
shemamanoj200	Sherna Manoj	24-04-24	Pharm d	8277254656	HSC20PD0018	5	5	5	5	5
diyajoshy01@gm	Diya Joshy	27-04-24	Pharm D	8921991849	HSC20PD0003	5	5	5	5	5
dhruvathara.ng1	Dhruvathara N	27-04-24	PharmD	9964804828	HSC19PD0007	4	4	4	4	4
bhoomika03.res	Bhoomika M	27-04-24	value added course	9035907503	HSC21PH0011	5	5	5	5	3
Mohammedthuju	Mohammed mujammil	27-04-24	5Th pharm D	09742502658	HSC20PD0011	5	5	4	4	3
deshpandeakshal	Akshata Deshpande	27-04-24	Pharm d	8951318622	HSC23PD0002	4	4	4	4	4
tridippradhan200	Tridip Pradhan	27-04-24	Pharm d	9883447014	HSC20PD0025	4	5	5	4	5
lakshmi012&priya	Lakshmi Priya	11-05-24	Pharm D	9742070333	HSC20PD0006	5	5	5	5	5
dhanavichandra	Dhanavi C	27-04-24	Pharm D	9035617457	HSC20PD0004	5	4	5	4	4
dhanavichandra	Dhanavi C	27-04-24	Pharm D	9035617457	HSC20PD0004	4	4	4	4	4
prashmipriyada	Prashmi Priyadarshini	27-04-24	Bpharm	9176729098	HSC21PH0056	5	5	5	5	5
anisha.p@gmail	Anisha p	27-04-24	Pharm d	7975094261	HSC20PD0001	4	4	4	4	4
ayeshaakbarsha	Ayesha Akbar Sharief	27-04-24	PHARM. D	8050383967	HSC21PD007	4	5	4	4	4
sowmyankagal	Sowmy	27-04-24	B pharmacy	9380788178	HSC21PH0078	4	5	4	4	5
shreyajayasimha	Shreya Jayasimha	27-04-24	Pharm D	8861010121	HSC23PD0033	5	5	5	5	5
shrestalakshmi	Shrestalakshmi Bhat	27-04-24	Pharm D	9620791942	HSC23PD0029	5	5	5	5	5
abiphenomenal8	Abhirup Bhusan Nandi	27-04-24	Pharm D	9475842275	HSC18PD0001	5	5	5	5	5
sowmyankagal	Sowmy	27-04-24	Sowmy	7003858590	HSC19PD0018	5	5	5	5	5
samiracha	Samira Chakraborty	27-04-24	Pharm D	7349670868	HSC19PD0021	5	5	5	5	5
sowmyankagal	Sowmy	27-04-24	Pharm D	9380788178	HSC21PH0078	5	5	4	5	4
tanmoykaya	Tanmoi Kaya	27-04-24	Pharm D	6203124811	HSC23PD0021	4	5	4	4	4
vishalmeena	Vishal Meena	27-04-24	Pharm D	9982105519	HSC20PD0028	4	3	4	3	4
sowmyankagal	Sowmy Upadhya	27-04-24	bs pharm 4	9380788178	HSC21PH0078	5	5	5	5	5
shreyajayasimha	Shreya Jayasimha	27-04-24	Bpharm	8861010121	HSC23PD0033	5	5	5	5	5
shrestalakshmi	Shrestalakshmi Bhat	27-04-24	B Pharmacy	9620791942	HSC23PD0029	5	5	5	5	5

PRINCIPAL
College of Pharmaceutical Sciences
Dayananda Sagar University

KNOWLEDGE IS POWER

BASICS OF BIOMEDICAL RESEARCH

4.12.2023 to 9.12.2023

DURATION
30hours

VENUE
Lecture Hall 1 , CDSIMER

TIMING
9.00 A.M to 4.00 P.M

CDSIMER
Dr. Chandramma Dayananda Sagar
Institute of Medical Education and Research





COURSE COORDINATOR

Dr Puneet Nagendra
Associate professor
Dpartment of Respiratory Medicine

ENROLL TODAY

Last date for Registration

15.11.2023

ABOUT THE COURSE

Basic Biomedical Research focuses on generating new knowledge while expanding theoretical understanding. It plays a pivotal role in shaping technological progress and societal improvements and has far-reaching implications that ultimately contribute to scientific, technological advancement laying the foundation for future discoveries and innovations.



COURSE CONTENT

- **Research Design**
- **Research approach**
- **Sampling techniques**
- **Literature Review**
- **Research Methodology**
- **Data Collection Methods**
- **Data Analysis tools**
- **Ethical considerations**
- **Writing a research paper**

REGISTRATION FORM

Name:.....

USN No:.....

Phase :.....

Mobile:.....

Email ID:.....

CDSIMER
Dr. Chandramma Dayananda Sagar Institute of Medical Education and Research (Unit of Dayananda Sagar University)

Dr. Chandramma Dayananda Sagar Institute of Medical Education & Research

Class Timetable
Phase 1- MBBS
CDSIMER - MBBS
04-12-2023 to 09-12-2023

Day	09:00 AM to 10:00 AM	10:00 AM to 11:00 AM	11:00 AM to 11:15 AM	11:15 AM to 12:15 PM	12:15 PM to 01:15 PM	01:15 PM to 01:30 PM	01:30 PM to 02:15 PM	02:15 PM to 03:15 PM	03:15 PM to 04:15 PM	04:15 PM to 05:00 PM
Monday 04-12-2023	**Valued Added Course** {Dr GOPAL DAS C M, Dr ANUPAMA V} Soft Skills	**Valued Added Course** {Dr GOPAL DAS C M, Dr ANUPAMA V}					Lunch Break	**Valued Added Course** {Dr KEERTHANA N GOWDA} Informed Consent	**Valued Added Course** {Dr GOPAL DAS C M, Dr ANUPAMA V} Soft Skills	
Tuesday 05-12-2023	**Valued Added Course** {Dr MADHU} Basic Life Support	**Valued Added Course** {Dr MADHU} Basic Life Support					Lunch Break	**Valued Added Course** {Dr MADHU} Basic Life Support		
Wednesday 06-12-2023	**Valued Added Course** {Dr NEERAJ RAJ B} Stress Management	**Valued Added Course** {Dr NEERAJ RAJ B} Stress Management					Lunch Break	**Valued Added Course** {Dr NEERAJ RAJ B} Stress Management		
Thursday 07-12-2023	**Valued Added Course** {Dr. Naveen M} Principles of Good Medical Record Keeping	**Valued Added Course** {Dr M SUNDAR} Study Designs		**Valued Added Course** {Dr. Naveen M} Principles of Good Medical Record-Keeping			Lunch Break	**Valued Added Course** {Dr. Naveen M} Principles of Good Medical Record-Keeping		
Friday 08-12-2023	**Valued Added Course** {Dr SANTOSH ACHAPPA} Statistical Tests	**Valued Added Course** {Dr ANAND D MEUNDI} Data Collection Methods		**Valued Added Course** {Dr PUNEET K NAGENDRA} Principles of Integrated Medicine			Lunch Break	**Valued Added Course** {Dr PUNEET K NAGENDRA} Principles of Integrated Medicine		
Saturday 09-12-2023	**Valued Added Course** {Ms. Divyashree N} Statistical Software: An Introduction	**Valued Added Course** {Dr BRUNDA N K} Statistical Sampling		**Valued Added Course** {Dr PUNEET K NAGENDRA} Principles of Integrated Medicine			Lunch Break			

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Ramanagara Dist, Karnataka-562112

Division: Phase 1- MBBS

Printed On : 13-11-2024 06:20 AM

Attendance for Value Added Course for Phase I MBBS Batch D Students

USN	Student Name	04.12.2023	05.12.2023	06.12.2023	07.12.2023	08.12.2023	09.12.2023
HSC23MB0001	AAHANA HEGDE H S						
HSC23MB0002	AAIYUSH KUMAR						
HSC23MB0003	ABHINAV SAI HARAPANAHALLI						
HSC23MB0004	ABHISHEK BASAVARAJ PUJAR						
HSC23MB0005	ADITHYA P						
HSC23MB0006	AKASH M J						
HSC23MB0007	AMAN MOHAN						
HSC23MB0008	AMRUTH NARAYANA						
HSC23MB0009	AMRUTHA H						
HSC23MB0010	ANANYA K S						
HSC23MB0011	ANJANEYA						
HSC23MB0012	ANKIT HEMANTH SHIRKE						
HSC23MB0013	ANUPRIYA C S						
HSC23MB0014	ANUSHA K						
HSC23MB0015	ANUSHA V						
HSC23MB0016	ANUSHKA BANSOD						
HSC23MB0017	ANUSHKA SINGH						

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Ramanagara Dist, Karnataka-562112

Attendance for Value Added Course for Phase I MBBS Batch D Students

USN	Student Name	04.12.2023	05.12.2023	06.12.2023	07.12.2023	08.12.2023	09.12.2023
HSC23MB0018	ARPITA ASHOK WALI						
HSC23MB0019	ARUNDATHI K R						
HSC23MB0020	ARYA P R						
HSC23MB0021	ASHITHA K M						
HSC23MB0022	ASHITHA N						
HSC23MB0023	ASHWINI MADHUKAR BIRAJDAR						
HSC23MB0024	AYUSH KUMAR						
HSC23MB0025	B S NANDAN GOWDA						
HSC23MB0026	BALUGOUD SURESH B PATIL						
HSC23MB0027	BHARGAVA CHANDRA G						
HSC23MB0028	BHOOMIKA A						
HSC23MB0029	CHALLA SAI AKSHAYA REDDY						
HSC23MB0030	CHANDANA R RATTIHALLI						
HSC23MB0031	CHINMAYEE V						
HSC23MB0032	DARSHAN R						
HSC23MB0033	DEON S THOMAS						
HSC23MB0034	DEVANSHI TRIVEDI						

Attendance for Value Added Course for Phase I MBBS Batch D Students

USN	Student Name	04.12.2023	05.12.2023	06.12.2023	07.12.2023	08.12.2023	09.12.2023
HSC23MB0035	DHANUSH M PRASAD						
HSC23MB0036	DHANYA R						
HSC23MB0037	FARZAN ALI KHAN ZAI						
HSC23MB0038	G SAI RAM						
HSC23MB0039	GAYATHRI B						
HSC23MB0040	GOWRI DEVI						
HSC23MB0041	HAMSAVENI N	Hamsaveni N	Hamsaveni N	Hamsaveni N	Hamsaveni N	Hamsaveni N	Hamsaveni N
HSC23MB0042	HITHASHREE Y L						
HSC23MB0043	HRISHIKESH V						
HSC23MB0044	IDRIS HABIB						
HSC23MB0045	INCHARA N						
HSC23MB0046	ISHAANA POONACHA K						
HSC23MB0047	ISWARYA SIVAKUMAR						
HSC23MB0048	JEEVITHA D L						
HSC23MB0049	K A PRAJWAL						
HSC23MB0050	K CHATHURA SHAM						
HSC23MB0051	K P TARUN GOWDA						

Attendance for Value Added Course for Phase I MBBS Batch D Students							
USN	Student Name	04.12.2023	05.12.2023	06.12.2023	07.12.2023	08.12.2023	09.12.2023
HSC23MB0052	KAMAKSHI KASARABADA						
HSC23MB0053	KANISHA GIRISH HADLI						
HSC23MB0054	KEERTHANA M REDDY						
HSC23MB0055	KEERTHANA R						
HSC23MB0056	KEERTHI M M						
HSC23MB0057	KIRAN P						
HSC23MB0058	KRUPA RAMESH						
HSC23MB0059	KRUTHIKA G						
HSC23MB0060	KUSHAL NAGESHA GOWDA						
HSC23MB0061	KUSUMA A NAIK						
HSC23MB0062	LAXMI SANTOSH KONNURI						
HSC23MB0063	LIKHITH R M						
HSC23MB0064	LOKESH						
HSC23MB0065	M LEKHAA REDDY						
HSC23MB0066	M NIHARIKA						
HSC23MB0067	MAANYA H						
HSC23MB0068	MANIKANTH						

Attendance for Value Added Course for Phase I MBBS Batch D Students

USN	Student Name	04.12.2023	05.12.2023	06.12.2023	07.12.2023	08.12.2023	09.12.2023
HSC23MB0069	MANJUNATH S BHAT						
HSC23MB0070	MANU S GOWDA						
HSC23MB0071	MANYA L						
HSC23MB0072	MAYANK GOWDA C						
HSC23MB0073	MITHILESH JOSHI						
HSC23MB0074	MOHAMED AYMAN AJAZ SAIT						
HSC23MB0075	MOHAMMED MEEZAN UL AKHTAR KWADAL						
HSC23MB0076	N K SHREYA						
HSC23MB0077	NANDHANA SANDEEP NAIR						
HSC23MB0078	NANDINI P						
HSC23MB0079	NEEREGATTI VENKATA VATSAVA SRIHARSHA						
HSC23MB0080	NIKHIL ATHREYA P						
HSC23MB0081	NIKHIL K A						
HSC23MB0082	NIKHITHA S						
HSC23MB0083	NIRANTH NAGARAJ						
HSC23MB0084	NISCHINTHA M						
HSC23MB0085	NIVEDITA T CHAVAN						

Attendance for Value Added Course for Phase I MBBS Batch D Students

USN	Student Name	04.12.2023	05.12.2023	06.12.2023	07.12.2023	08.12.2023	09.12.2023
HSC23MB0086	PARINITHA N C						
HSC23MB0087	PARVANI BALARAJA						
HSC23MB0088	PASUMARTHY ANVI						
HSC23MB0089	PAVAN CHANDRA V						
HSC23MB0090	PAVAN PATEL G B						
HSC23MB0091	PAWAN KRISHNA SINGH R						
HSC23MB0092	PRAGATI FAKEERAPPA BIRADAR						
HSC23MB0093	PRAGNA RAVI						
HSC23MB0094	PRAGNYA G N						
HSC23MB0095	PRAPUL R						
HSC23MB0096	PREKSHA S GOWDA						
HSC23MB0097	PRERAN B R						
HSC23MB0098	PRIYADARSHINI PATIL						
HSC23MB0099	RADHIKA SHARMA						
HSC23MB0100	RAJATH SARVOTHAM	Rajath	Rajath	Rajath	Rajath	Rajath	Rajath
HSC23MB0101	RAKSHA MUNIPALLI						
HSC23MB0102	RAYYAN SYED						

Attendance for Value Added Course for Phase I MBBS Batch D Students

USN	Student Name	04.12.2023	05.12.2023	06.12.2023	07.12.2023	08.12.2023	09.12.2023
HSC23MB0103	REVANTH M						
HSC23MB0104	RHEA R						
HSC23MB0105	RISHI MATADHA						
HSC23MB0106	RISHITH M						
HSC23MB0107	RISHITHA V C						
HSC23MB0108	ROHAN RICHARD GUNJAL						
HSC23MB0109	SAI PRATHIKSHA J						
HSC23MB0110	SAKSHI J KONI						
HSC23MB0111	SAMEEHA BEGUM R						
HSC23MB0112	SANJANA						
HSC23MB0113	SANJITH B KIRAN						
HSC23MB0114	SANYA KESHRI						
HSC23MB0115	SARASWATHI V CHENNAPPA						
HSC23MB0116	SHARAN GOWDA T						
HSC23MB0117	SHASHANK C S						
HSC23MB0118	SHOBITH S						
HSC23MB0119	SHREE NIMISHA H D						

Attendance for Value Added Course for Phase I MBBS Batch D Students							
USN	Student Name	04.12.2023	05.12.2023	06.12.2023	07.12.2023	08.12.2023	09.12.2023
HSC23MB0120	SHREEVIJAY P PATIL						
HSC23MB0121	SHREYAS JAYASURYA M						
HSC23MB0122	SHREYAS M						
HSC23MB0123	SINCHANA H						
HSC23MB0124	SIRI J KONI						
HSC23MB0125	SIRI R KAMATH						
HSC23MB0126	SOUJANYA SIDDARAM HONNUNGAR						
HSC23MB0127	SPANDAN RAM CHANDRA BERGAL						
HSC23MB0128	SPURTHI N						
HSC23MB0129	SRIVYAS ANANTHA KRISHNAN						
HSC23MB0130	SURAJ THOTAPALLY						
HSC23MB0131	SUSHRUTH Y						
HSC23MB0132	SWETHA LAKSHMI K						
HSC23MB0133	T PRATIK						
HSC23MB0134	TANAY M M						
HSC23MB0135	TANUSHREE N						
HSC23MB0136	TASNEEM A H						

Attendance for Value Added Course for Phase I MBBS Batch D Students

USN	Student Name	04.12.2023	05.12.2023	06.12.2023	07.12.2023	08.12.2023	09.12.2023
HSC23MB0137	THANUSHA M R						
HSC23MB0138	THRISHANGI B K						
HSC23MB0139	TUSHAR V						
HSC23MB0140	ULLAS S D						
HSC23MB0141	VAIBHAV S						
HSC23MB0142	VAISHNAVI B NITTALI						
HSC23MB0143	VARDHAN V NAYAKA						
HSC23MB0144	VARUN J						
HSC23MB0145	VISHVAS DEVARASHETTY						
HSC23MB0146	YASHASWINI G						
HSC23MB0147	YASHASWINI M						
HSC23MB0148	YASHWANTH GOWDA M						
HSC23MB0149	ADITHYA V B						
HSC23MB0150	AARATI KUMARI SHAH						
HSC22MB0110	SHREYANKA GUNDURAO PATIL	AB	AB	AB	AB	AB	AB
HSC22MB0151	ADITI DINESH RAO						
HSC22MB0031	GAGAN R	AB	AB	AB	AB	AB	AB

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FEEDBACK ANALYSIS - Basics of Biomedical Research Course

The following provides a theme-based analysis of feedback for the "Basics of Biomedical Research" course held for first-year MBBS students at CDSIMER from December 4 to December 9, 2023.

Student Engagement and Participation:

- Students demonstrated enthusiasm and active participation throughout the 30-hour course.
- Punctuality and regular attendance were maintained, reflecting a strong commitment to learning about research.
- Interactions with faculty and peer engagement were high, indicating an interest in collaborative learning.

Teaching Methods and Curriculum Design:

- The course adopted a structured approach with diverse modules covering essential research topics.
- Sessions included interactive discussions, case-based examples, and practical demonstrations, aiding student comprehension.
- A variety of teaching methods, such as lectures, workshops, and group activities, made the course engaging and accessible to students with varied learning preferences.

Faculty Support and Interaction:

- Faculty members provided comprehensive support, answering queries and encouraging student involvement.
- The presence of approachable faculty allowed students to feel comfortable in exploring complex topics like research methodology and data analysis tools.
- Faculty were appreciated for making themselves available outside of sessions for clarifications.

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Resource Availability and Infrastructure:

- Classroom resources, including visual aids and data analysis software, were generally adequate, although some students suggested additional hands-on practice with data collection instruments.
- Access to a quiet space for group discussions and literature review could further enhance the learning experience.

Course Content and Relevance:

- The topics—ranging from research design to ethical considerations—were well-aligned with the needs of novice researchers.
- Students expressed particular interest in sessions on literature review and research methodology, noting these as highly beneficial.
- The course content helped students build a foundational understanding, and many reported increased confidence in approaching research projects.

Assessment and Feedback Mechanisms:

- Feedback was provided regularly, allowing students to understand their strengths and areas for improvement.
- Assessments, including quizzes and a final assignment on research proposal writing, helped consolidate learning outcomes.
- Some students suggested that additional case-based evaluations could enhance their practical understanding.

Challenges and Areas for Improvement:

- A few students found it challenging to keep up with the volume of information in a short period and recommended a more spaced-out schedule.
- There was a request for more practical sessions, specifically in sampling techniques and data collection, to bridge theory with hands-on experience.
- Students suggested the inclusion of a module focused on the application of research in clinical settings, which could provide further real-world relevance.

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COURSE REPORT: BASICS IN BIOMEDICAL RESEARCH

Value Added Course Conducted by: CDSIMER, Dayananda Sagar University

Course Coordinator: Dr Puneet. K. Nagendra, Associate Professor, Department of Respiratory Medicine, CDSIMER

Target Audience: First-Year MBBS Students

Duration: 30 hours

Dates: December 4 - December 9, 2023

Course Overview:

The "Basics of Biomedical Research" course was designed to introduce first-year MBBS students to fundamental research principles. It provided a comprehensive overview of biomedical research, emphasizing essential research skills, from study design to ethical considerations. The aim was to equip students with a foundational understanding of research methodologies, enabling them to engage in research projects confidently.

Objectives:

The primary objectives of the course were to:

- Familiarize students with the research process and the scientific approach.
- Provide an understanding of different research designs and sampling methods.
- Equip students with knowledge in data collection and analysis.
- Emphasize ethical considerations in research.
- Teach students the basics of academic writing, particularly in drafting research papers.

Topics Covered:

The course spanned several critical topics to ensure a well-rounded introduction to biomedical research:

- Introduction to Research: Defining research and the scientific approach.
- Research Design: Understanding types of research designs, including observational and experimental approaches.
- Sampling Techniques: Methods of sampling, such as random, stratified, and systematic sampling, with discussions on sample size and representativeness.

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Learning Outcomes:

By the end of the course, students were expected to:

- Identify the fundamental steps in the research process.
- Select appropriate research designs and sampling methods for basic studies.
- Conduct literature reviews and understand how to critically analyze existing research.
- Collect and manage data effectively and apply basic analysis techniques.
- Recognize and apply ethical standards in research.
- Draft simple research reports and structure a research paper.

Areas for Improvement:

Based on student feedback and observations:

- Additional Practical Sessions: Students expressed interest in more hands-on sessions, particularly in data collection and sampling.
- Extended Duration: Some students felt that a more extended course duration could allow for deeper engagement with complex topics.
- Integration with Clinical Applications: Students suggested incorporating examples of how research informs clinical practice, which could enhance real-world relevance.

Conclusion:

The "Basics in Biomedical Research" course successfully introduced first-year MBBS students to research fundamentals, aligning with the goal of fostering a research-oriented mindset early in their academic journey. The course content, structure, and delivery were well-received, and feedback from participants suggests a clear interest in further research-focused courses. Future courses can build on this foundation, potentially incorporating more in-depth data analysis and clinical research applications, to further develop students' research competencies.

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DR CHANDRAMMA DAYANANDA SAGAR INSTITUTE OF MEDICAL EDUCATION AND RESEARCH

Harohalli, Kanakapura Road, Ramanagara District

(A unit of Dayananda Sagar University)

Certificate of Participation

This is to certify that Mr./ Miss ……...

Phase I MBBS student of Dr Chandramma Dayananda Sagar Institute of Medical Education and Research has participated in the 'Basics of Biomedical Research' from 04.12.2023 to 09.12.2023

Course Coordinator
CDSIMER

Principal & Dean
CDSIMER

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DAYANANDA SAGAR UNIVERSITY

Certificate of Participation

This is to certify that Mr. / Miss **AAHANA HEGDE H S**

Phase I MBBS student of Dr Chandramma Dayananda Sagar Institute of Medical Education and Research has participated in the 'Basics of Biomedical Research' from 04.12.2023 to 09.12.2023.

Course Coordinator
CDSIMER

Principal & Dean
CDSIMER

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Harohalli, Kanakapura Road, Ramanagara District

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DAYANANDA SAGAR UNIVERSITY

Certificate of Participation

This is to certify that Mr. / Miss **AAIYUSH KUMAR**

Phase I MBBS student of Dr Chandramma Dayananda Sagar Institute of Medical Education and Research has participated in the 'Basics of Biomedical Research' from 04.12.2023 to 09.12.2023.

Course Coordinator
CDSIMER

Principal & Dean
CDSIMER

DR CHANDRAMMA DAYANANDA SAGAR INSTITUTE OF MEDICAL EDUCATION AND RESEARCH

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Certificate of Participation

This is to certify that Mr. / Miss **ABHINAV SAI HARAPANAHALLI**

Phase I MBBS student of Dr Chandramma Dayananda Sagar Institute of Medical Education and Research has participated in the 'Basics of Biomedical Research' from 04.12.2023 to 09.12.2023.



Course Coordinator
CDSIMER



Principal & Dean
CDSIMER

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Certificate of Participation

This is to certify that Mr. / Miss **ABHISHEK BASAVARAJ PUJAR**

Phase I MBBS student of Dr Chandramma Dayananda Sagar Institute of Medical Education and Research has participated in the 'Basics of Biomedical Research' from 04.12.2023 to 09.12.2023.

Course Coordinator
CDSIMER

Principal & Dean
CDSIMER

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Certificate of Participation

This is to certify that Mr. / Miss **ADITHYA P**

Phase I MBBS student of Dr Chandramma Dayananda Sagar Institute of Medical Education and Research has participated in the 'Basics of Biomedical Research' from 04.12.2023 to 09.12.2023.

Course Coordinator
CDSIMER

Principal & Dean
CDSIMER

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Harohalli, Kanakapura Road, Ramanagara District

(A unit of Dayananda Sagar University)

Certificate of Participation

This is to certify that Mr. / Miss **AKASH M J**

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This is to certify that Mr. / Miss **RISHITH M**

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This is to certify that Mr. / Miss **ROHAN RICHARD GUNJAL**

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DAYANANDA SAGAR UNIVERSITY

School of Engineering
Department of Mathematics
&
Department of Computer Science and Engineering

For 4th & 6th sem

Summer School course

Modeling and Simulation in MATLAB - Computational Mathematics
(Edition for Student Technical Skill Program)

Starting 25 Aug 2023

Course Facilitators



Dr. Ravinder Singh K
Associate Professor
Dept. of Mathematics



Dr. Pramod Kumar Naik
Associate Professor
Dept. of CSE



Dr. Arunkumar Gopu
Associate Professor
Dept. of CSE



Dr. Mahalakshmi P
Associate Professor
Dept. of Mathematics



Dr. Narayani G
Assistant Professor
Dept. of Mathematics

Scope of the course :

The scope of the programme is to provide participants with a comprehensive understanding and practical knowledge of MATLAB, focusing on its applications in computational mathematics. The programme will cover topics such as numerical analysis, optimization, and simulation techniques, enabling participants to apply MATLAB effectively in solving mathematical problems. Through hands-on exercises and real-world examples, participants will gain valuable skills that are relevant to industry demands. Programme aims to enhance participants' proficiency in MATLAB and equip them with the necessary tools to tackle complex mathematical challenges, thereby expanding their career opportunities in fields related to computational mathematics.

Course Outcomes

1. Participants will be able to model and simulate mathematical concepts using MATLAB.
2. Solve and simulate ordinary and partial differential equations using MATLAB.
3. Make use of MATLAB Tools for numerical integration, root finding, optimization, and Fourier analysis.
4. Analyse the data by ploting and visualizing using MATLAB tools.

Registration Fee: INR 500 per student

Register through QR Code

https://forms.gle/gp5qkxcvem3ZRKaKA

A theory is just a mathematical model to describe the observations - Karl Popper

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CHANCELLOR, DSU

DR. D. PREMACHANDRA SAGAR
PRO CHANCELLOR, DSU

PATRONS

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SECRETARY, DSI

DR. K. N. BALASUBRAMANYA MURTHY
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SHRI. R. JANARDHAN
PRO-VICE CHANCELLOR, DSU

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PRO-VICE CHANCELLOR, DSU

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CONVENERS

DR. MAHALAKSHMI P
CHAIRPERSON MATHEMATICS, DSU

DR. GIRISHA G. S
CHAIRMAN CSE, DSU

CO-CONVENERS

DR. BASAVARAJ N HIREMATH
PROFESSOR, CSE, DSU

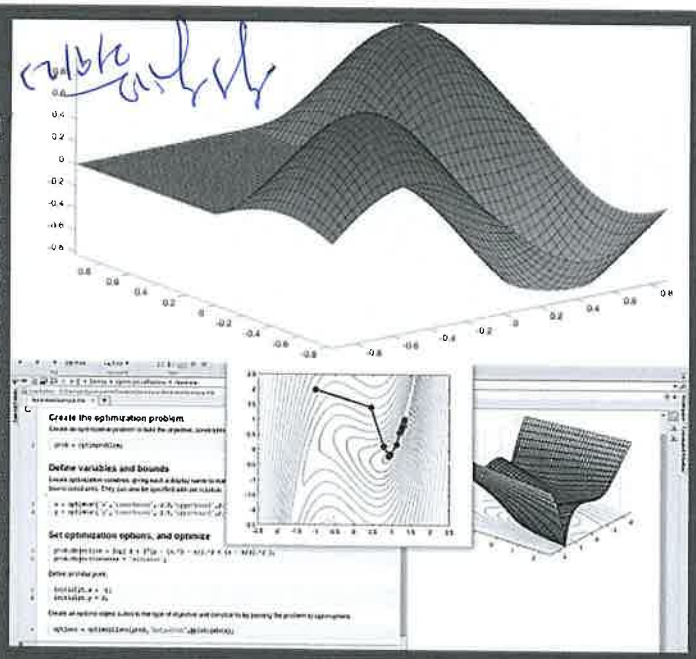
DR.PRAMOD KUMAR NAIK
ASSOCIATE PROFESSOR,CSE, DSU

DR. RAVINDER SINGH KUNTAL
ASSOCIATE PROFESSOR, MATHEMATICS, DSU

DR. ARUNKUMAR GOPU,
ASSOCIATE PROFESSOR, CSE, DSU

FACULTY COORDINATOR

DR. NARAYANI G
ASSISTANT PROFESSOR
DEPARTMENT OF MATHEMATICS, DSU
MOBILE NO: +91-9791183126
EMAIL ID: NARAYANI-MATHS@DSU.EDU.IN



COURSE CONTENTS:

1. Random Number Generation and Probability Distributions.
2. Ordinary Differential Equations (ODEs) and System Simulation.
3. Partial Differential Equations (PDEs) and Solution Visualization.
4. Plotting Functions and Mathematical Graphs, Numerical Integration Techniques and Approximation, Root Finding Algorithms and Convergence Visualization, Optimization Problems and Algorithms.
5. Fourier Analysis and Signal Processing.
6. Data Visualization and Presentation Techniques.
7. Population Growth modelling and Analysis.
8. Financial modelling and Investment Simulation, Epidemic Modelling and Disease Spread Analysis.

Certificate and Software Provision:

- A certificate will be issued to all participants who attend every session of the course.
- Licensed versions of MATLAB software will be provided to all students for their use during the course.

Participant Limit and Selection:

- The course has a limited number of seats available, with a maximum of 60 participants.
- Selection of participants will be done on a first-come, first-served basis.

Hands-on and Theoretical Balance:

- The course will emphasize practical application and hands-on learning, with approximately 80% of the topics being covered through practical exercises and examples.
- The remaining 20% of the course will focus on theoretical concepts and background knowledge.

Quiz/Test:

- Industry relevant case studies will be given to solve during live sessions.
- At the end of the course, a quiz or test will be conducted to assess participants.

A theory that explains everything, explains nothing-Karl Popper

Summer School course

Modeling and Simulation in MATLAB - Computational Mathematics

Report

The Department of Mathematics and Department of Computer Science and Engineering collaborated to organize a 5-day Summer School course on "Modeling and Simulation in MATLAB - Computational Mathematics." brief Outcome of this 5-day program on "Modeling and Simulation in MATLAB – Computational Mathematics" provided participants with a comprehensive understanding of MATLAB, Simulink, ODEs, PDEs, curve fitting, optimization techniques, and more. The various case studies and projects offered valuable practical experience, equipping the participants with essential skills in computational mathematics.

- **As a result of their participation in the program, students received internship offers from Revolt MotoTek, a significant recognition of their skills and expertise in Model-Based Design (MBD).**
- **Participants achieved Math Works certifications on Simulink Onramp and Matlab Onramp during course, further validating their proficiency in MATLAB and computational mathematics.**
- Participants gained a thorough understanding of MATLAB and its integrated design environment, including reading data from files, customizing plots, and exporting graphics.
- The hands-on projects on face detection algorithm and mathematical modelling of a DC motor and solar cell provided practical experience in applying MATLAB and Simulink concepts to real-world problems.
- Students learned to solve and simulate Ordinary Differential Equations (ODEs) and Partial Differential Equations (PDEs), enabling them to model and analyze dynamic systems and phenomena.
- Optimization techniques, such as linear programming, genetic algorithms, particle swarm optimization, and the Firefly Algorithm, were introduced, equipping participants with powerful tools for tackling complex optimization challenges.



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MathWorks | *Training Services*

Course Completion Certificate

A Sharon

has successfully completed **100%** of the self-paced training course

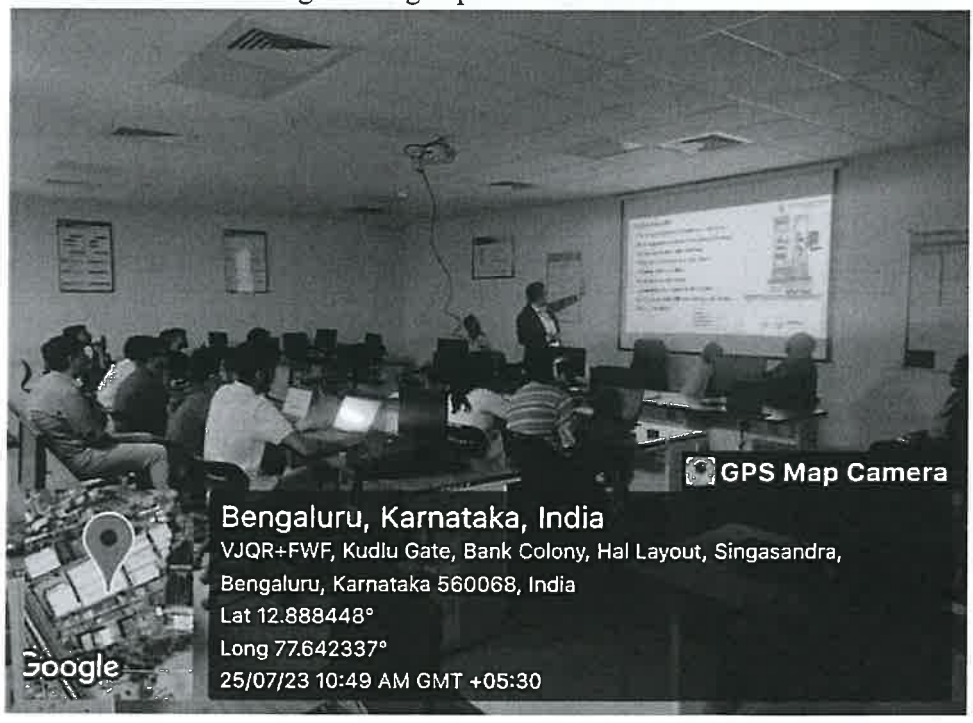
MATLAB Onramp

DIRECTOR, TRAINING SERVICES

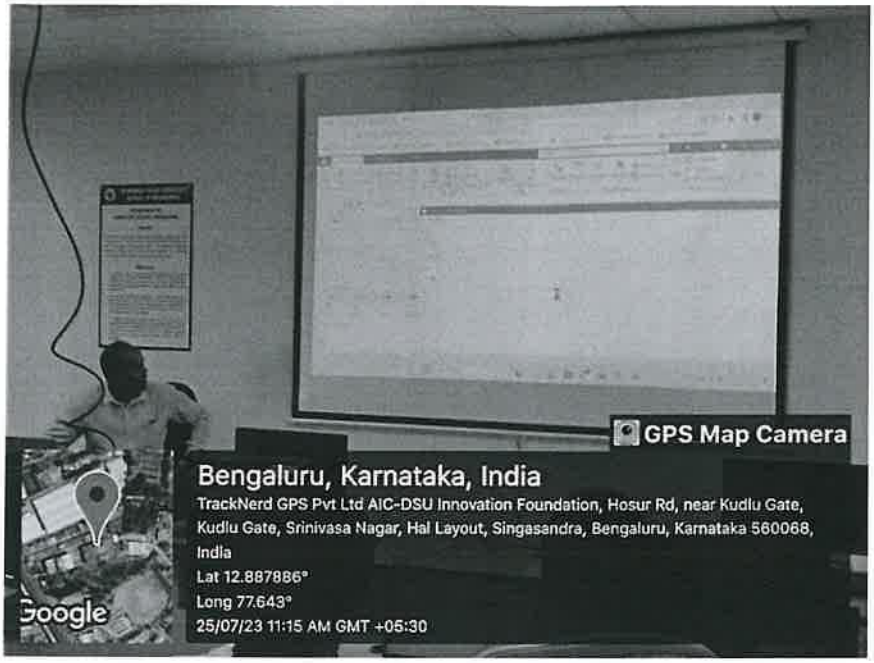
30 July 2023

Day 1 - 25th August 2023

The event started with an inaugural ceremony attended by esteemed guests, including Dr. Girisha, Chairman of the Computer Science and Engineering Department; Dr. Mahalakshmi, Chairman of the Mathematics Department; and Dr. Basavaraj Hiremath from DSU Bangalore. After the inauguration, Dr. Basavaraj Hiremath delivered an enlightening keynote address, setting the tone for the enriching learning experience ahead.



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Dr. Pramod Kumar Naik provided an overview of MATLAB's integrated design environment and user interfaces. The participants learned how to read data from files, save and load variables, plot data, customize plots, and export graphics for external applications. He guided participants on entering MATLAB commands, creating variables, accessing and manipulating data, and generating basic visualizations. The session also covered running live scripts and included a hands-on project on face detection algorithm development.

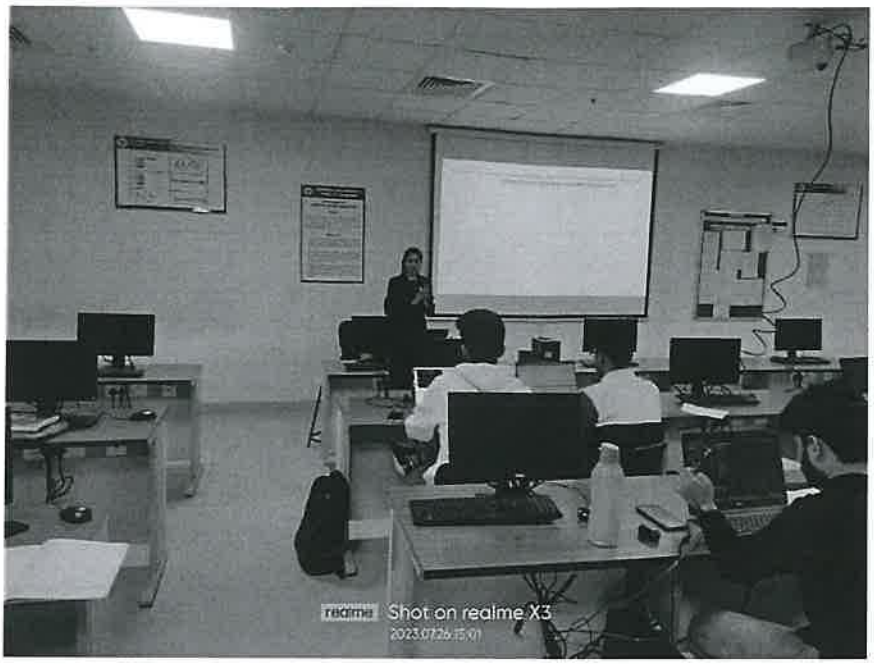
He also introduced Simulink, a powerful tool for modelling and simulating dynamic systems. Participants learned to create a simple Simulink model, simulate it, and analyze the results. The session featured a case study on mathematical modelling of a DC motor and its performance analysis.

Day 2 - 26th August 2023

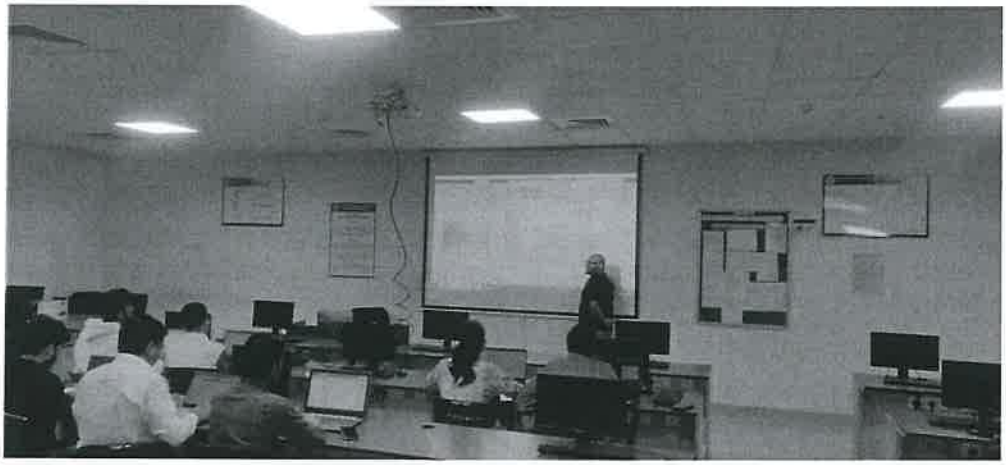
Participants delved deeper into Simulink, learning to model and simulate basic programming constructs. The session covered comparisons, decision statements, vector signals, PWM conversion systems, and MATLAB Function blocks. A case study on the mathematical modelling of a solar cell and its performance analysis was presented. Dr. Pramod Kumar Naik conducted a session on random number generation. The participants were exposed to a case study focusing on sensor analytics and machine learning for sensor fusion.

29/12/23

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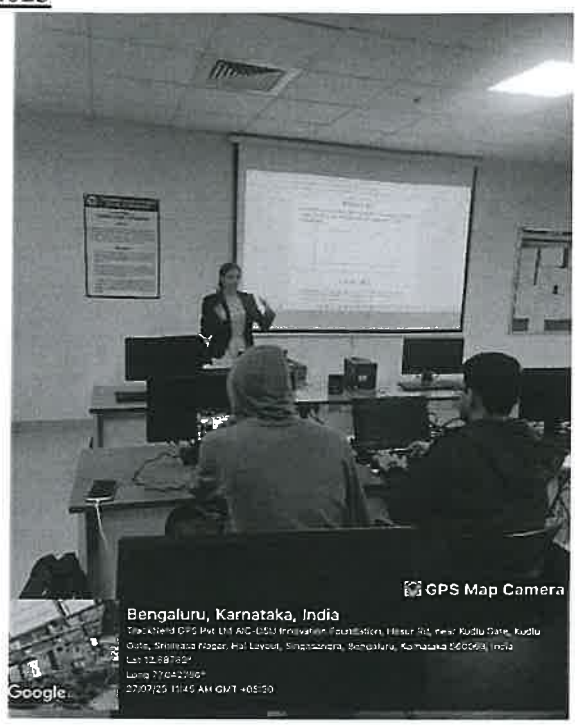
Dr. Narayani G led the session on solving and simulating ODEs using MATLAB's ode45 and other ODE solvers. Participants learned how to model and simulate systems described by ODEs, including population dynamics, mechanical systems, and chemical reactions. A case study on using neural networks for wine data classification was presented.



Dr. Ravinder Singh Kuntal conducted a session on curve fitting, demonstrating techniques like linear regression, polynomial regression, polynomial interpolation, and spline interpolation. A case study on developing a battery cooling system for electric vehicles was also presented.

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Day 3 - 27th August 2023



Dr. Narayani G introduced participants to solving and visualizing PDEs using MATLAB's PDE toolbox. Different types of PDEs, such as the heat equation, wave equation, and Laplace equation, were explored, and participants observed the behaviour of their solutions. A case study on developing ADAS systems using computer vision and sensor fusion was also presented.



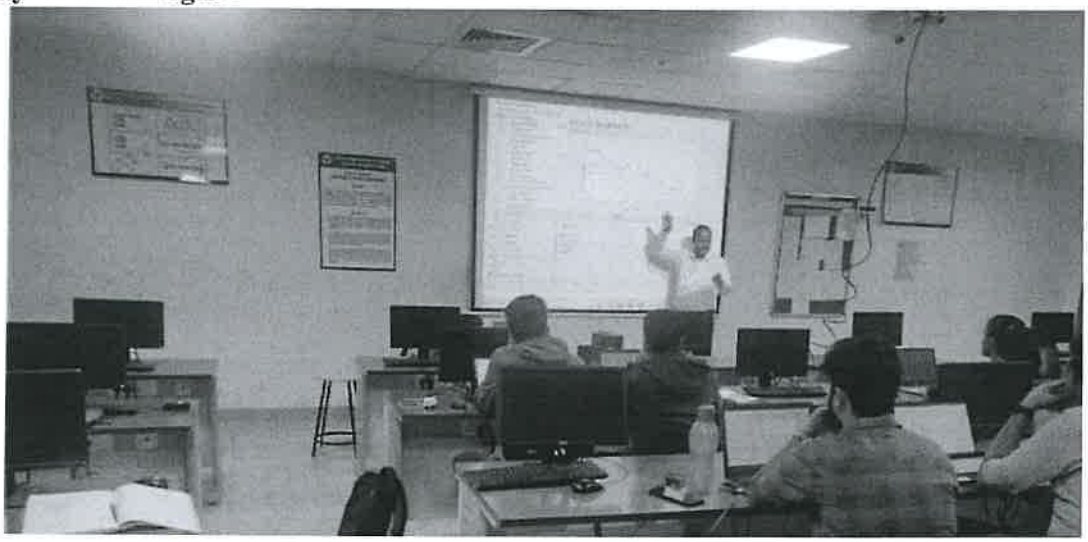
Prof Baskar Venugopalan, Professor of Practice from the Department of CST (Computer Science and Technology), also addressed the students. He shared valuable insights and knowledge with the participants, further enriching their learning experience. His expertise and contributions would have added significant value to the overall program, providing students with a diverse range of perspectives and expertise in the field of computational mathematics and its applications

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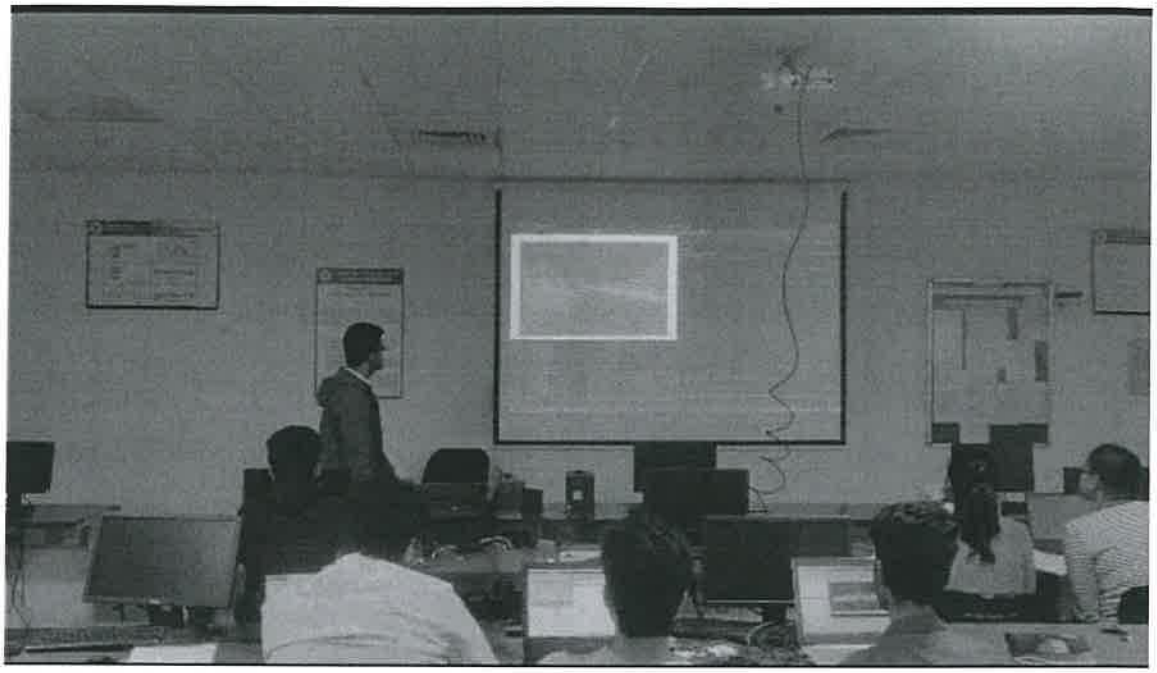
Founders of Revolt Motor, who are developing India's first 1000 CC bike, addressed the participants. They emphasized the importance of Model-Based Design (MBD) and the role of students trained in MBD in their project. **Shortlisted students were announced for a final interview round for a paid internship in the project**. The bike, equipped with ADAS sensor fusion and remarkable acceleration capabilities, was set for a release in the coming year.

Day 4 - 28th August 2023



Dr. Pramod Kumar Naik delivered a lecture on PID controllers used for motor control applications. The participants engaged in discussions about various projects and case studies. He introduced participants to Fourier analysis using MATLAB's Fourier transform functions. The session included analyzing the frequency content of different signals and plotting the resulting spectra. A case study on filter design and analysis was also presented.

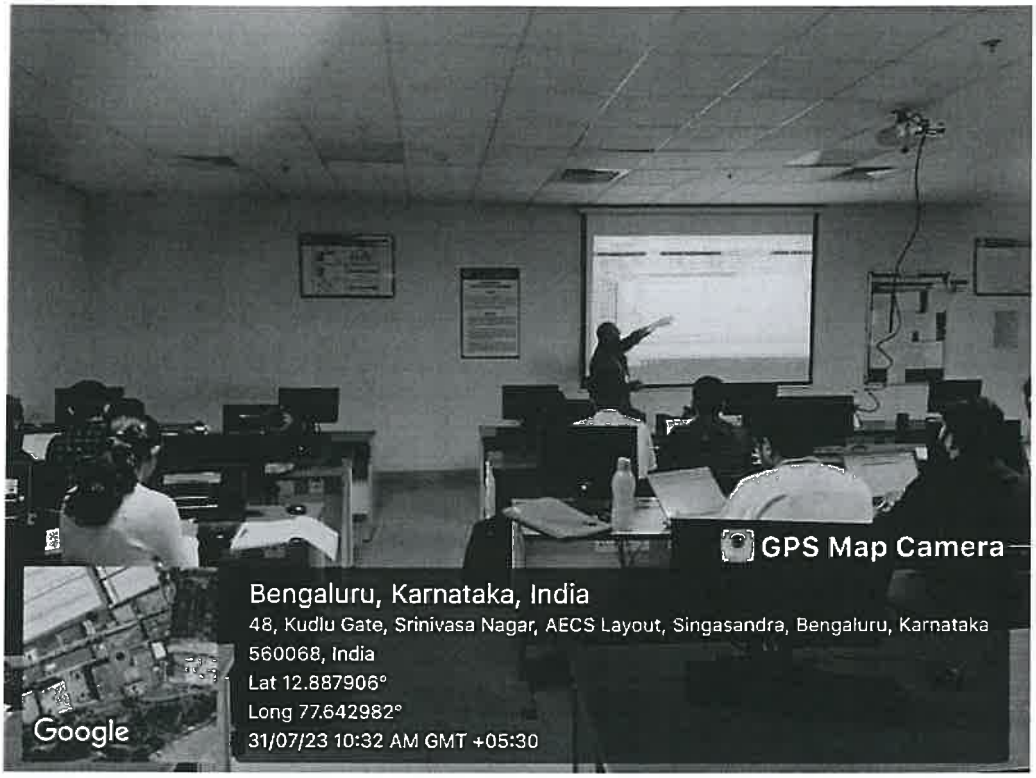
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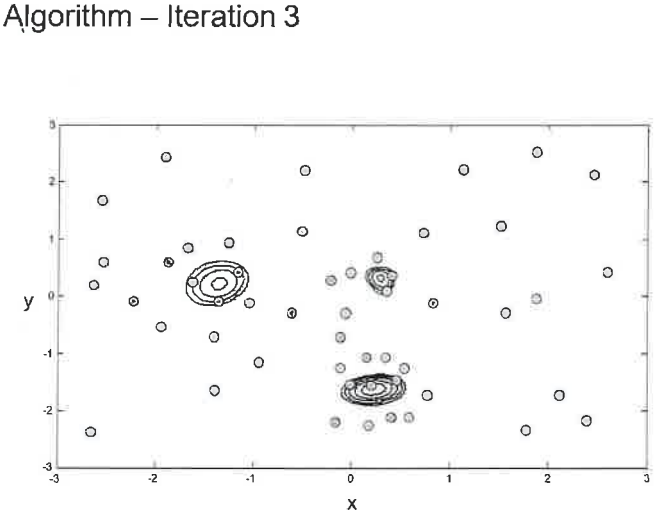
During the program, a student named Parag showcased an impressive project he developed – an Advanced Driver Assistance System (ADAS) designed to detect blind spots in bikes. Parag's demonstration would have been an exciting and informative addition to the event, showcasing the practical application of modelling and simulation in MATLAB for real-world problems. The ADAS project highlights the significance of computational mathematics in developing innovative solutions for enhancing road safety and creating more advanced and intelligent transportation systems. Participants in the program would have gained valuable insights from Parag's demonstration, inspiring them to explore and develop their own creative projects in the future.

Day 5 - 29th August 2023

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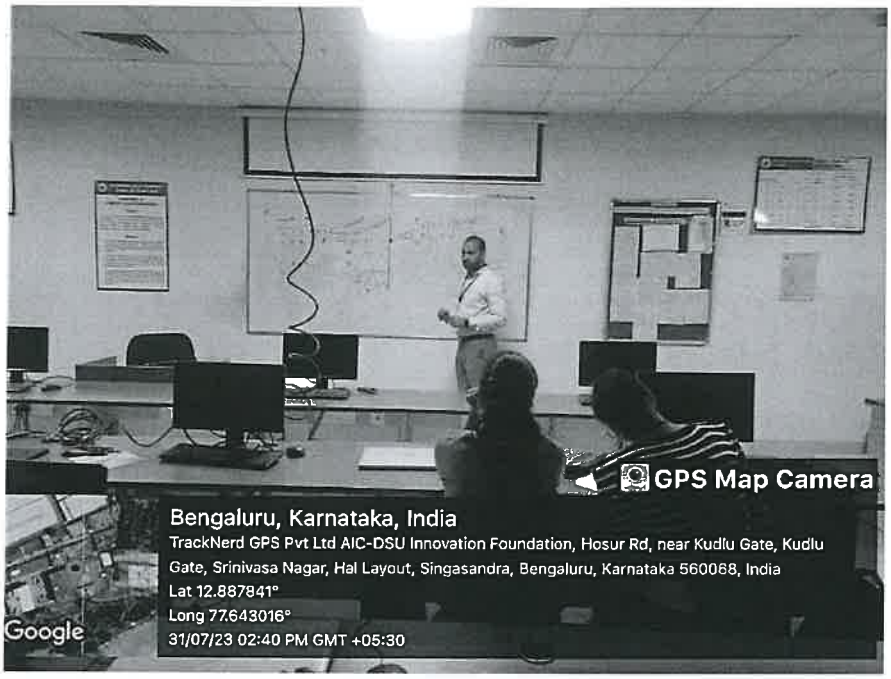
Dr. Ravinder Singh Kuntal delivered an informative session on various optimization techniques during the program. He covered topics like linear programming and convex optimization problems, providing insights into their applications and methodologies. Additionally, Dr. Kuntal demonstrated how to solve non-linear optimization problems using the MULTISTART method, which is an effective approach for handling complex and multi-dimensional optimization challenges. Furthermore, he discussed the Traveling Salesman Problem (TSP), a classic combinatorial optimization problem, and shared valuable techniques to tackle it.



Dr. Kuntal also introduced the participants to genetic algorithms and particle swarm optimization, both popular metaheuristic algorithms used to optimize complex problems. Visualizations were employed to help participants better understand the behaviour and performance of these algorithms. The session led by Dr. Ravinder Singh Kuntal offered a

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comprehensive understanding of optimization techniques, equipping the students with valuable tools to address various real-world challenges that demand efficient and effective solutions.



Dr. Arunkumar Gopu continued the exploration of optimization techniques in his session during the program. He specifically delved into real-coded genetic algorithms, a variant of genetic algorithms that deal with continuous optimization problems, where variables can take real values rather than discrete ones.

The Traveling Salesman Problem (TSP) was also a focal point of his discussion, emphasizing its significance in combinatorial optimization problems. Participants gained valuable insights into how to approach and solve this classic problem, which involves finding the shortest possible route that visits a set of cities and returns to the starting city.

Moreover, Dr. Gopu covered the topic of constraints handling in optimization problems. Constraints play a crucial role in real-world scenarios, and participants learned effective ways to manage and incorporate them into their optimization models.

Additionally, he introduced the Firefly Algorithm, a nature-inspired metaheuristic optimization technique. This algorithm mimics the flashing behaviour of fireflies to find optimal solutions in complex and dynamic environments.

By focusing on these advanced optimization techniques, Dr. Arunkumar Gopu provided participants with a comprehensive understanding of tackling intricate problems and enhancing their problem-solving skills in various domains. These tools and approaches are valuable assets for anyone working in computational mathematics and engineering fields.

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The program concluded with a valedictory session, during which participants received certifications.



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Value Added Course- Modeling and Simulation in MATLAB (25-08-23 to 29-08-23)

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Timestamp	Email Address	Full Name	Contents Covered in Value Added Course	Effectiveness of learning experience on Day1 - MATLAB's integrated design environment and user interfaces.	Rate the clarity of the discussed topics in session 1-Not clear, 2-Normal, 3- Clear, 4-Very clear	Resource Person has a good insight in the topics Discussed?	Rate the overall organization of the session 1-Fair, 2- Good, 3-Very Good , 4-Excellent
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8-29-2023 16:49:30	ENG21CS0323@dsu.edu.in	RAKSHITH B JADHAV	Good	Good	2	Agree	3
8-29-2023 16:42:14	ENG21CS0309@dsu.edu.in	PRIYANKA DATTA	Very Good	Very Good	3	Agree	3
8-29-2023 16:27:00	ENG21CS0308@dsu.edu.in	PRIYA KUMARI	Good	Good	3	Agree	3
8-29-2023 16:26:42	ENG21CS0307@dsu.edu.in	PREETHAM RODRIGUES	Very Good	Excellent	3	Agree	3
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8-29-2023 16:23:21	ENG21CS0299@dsu.edu.in	PRAFUL CHANDAN RED	Excellent	Excellent	4	Strongly agree	4
8-29-2023 16:15:41	ENG21CS0287@dsu.edu.in	PADMASHREE P	Excellent	Very Good	4	Strongly agree	4
8-29-2023 16:10:18	ENG21CS0279@dsu.edu.in	NUTHAN B	Excellent	Excellent	4	Strongly agree	4
8-29-2023 15:53:54	ENG21CS0246@dsu.edu.in	MOURYA J P	Very Good	Very Good	2	Agree	2
8-29-2023 15:44:39	ENG21CS0223@dsu.edu.in	MANOJ A	Good	Good	2	Agree	2

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8-29-2023 15:42:45	ENG21CS0222@dsu.edu.in	MANOJ S	Excellent	Excellent	4	Strongly agree	4
8-29-2023 15:51:41	ENG21CS0218@dsu.edu.in	MANISH M	Very Good	Very Good	3	Agree	2
8-29-2023 8:28:09	ENG21CS0042@dsu.edu.in	ANANYA VODNALA	Very Good	Very Good	3	Strongly agree	2
8-29-2023 5:31:58	ENG21CS0041@dsu.edu.in	ANANYA VITHAL YERGO	Excellent	Very Good	3	Strongly agree	4
8-29-2023 22:08:06	ENG21CS0040@dsu.edu.in	ANANYA G RAJ	Very Good	Very Good	4	Agree	3
8-29-2023 19:39:43	ENG21CS0033@dsu.edu.in	AMITH R	Excellent	Excellent	4	Strongly agree	4
8-29-2023 19:31:21	ENG21CS0022@dsu.edu.in	AKASH BORA	Very Good	Very Good	3	Agree	3
8-29-2023 19:27:55	ENG21CS0021@dsu.edu.in	AKASH BAGUI	Excellent	Excellent	4	Strongly agree	4

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Course Completion Certificate

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has successfully completed **100%** of the self-paced training course

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A Sharon

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29 July 2023

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Value Added Course- Modeling and Simulation in MATLAB (25-08-23 to 29-08-23)

ATTENDANCE SHEET

FULL NAME	USN	Day 1 (25-08-23)	Day 2 (26-08-23)	Day 3 (27-08-23)	Day 4 (28-08-23)	Day 5 (29-08-23)
MANOJ S	ENG21CS0222					
MANOJ A	ENG21CS0223					
MANISH M	ENG21CS0218					
MOURYA J P	ENG21CS0246					
NUTHAN B	ENG21CS0279					
PADMASHREE P	ENG21CS0287					
PRAFUL CHANDAN REDDY S	ENG21CS0299					
PRAGATI P KOMARLA	ENG21CS0300					
PREETHAM RODRIGUES	ENG21CS0307					
PRIYA KUMARI	ENG21CS0308					
PRIYANKA DATTA	ENG21CS0309					
RAKSHITH B JADHAV	ENG21CS0323					
RAKSHITHA G	ENG21CS0324					
RAKSHITHA S	ENG21CS0325					
S M TANISH	ENG21CS0348					
SAAKSHIT V	ENG21CS0349					
SAANCHITHA D	ENG21CS0350					
SACHIN SINGH BUTOLA	ENG21CS0351					
SANDEEP RAVEENDRA KOLLI	ENG21CS0358					
SANDESH PATIL	ENG21CS0359					
SANJO JOSEPH	ENG21CS0360					
SHASHID SHASHIDHAR	ENG21CS0377					
SHASHIDHAR L	ENG21CS0378					
SHOURYA GARG	ENG21CS0379					
SHRAVAN KUMAR M	ENG21CS0380					
SYED RAYAN	ENG21CS0437					
SYED SAFWAN GHOURI	ENG21CS0438					
SYED SAJID W	ENG21CS0439					

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AKASH BAGUI	ENG21CS0021					
AKASH BORA	ENG21CS0022					
AMITH R	ENG21CS0033					
ANANYA G RAJ	ENG21CS0040					
ANANYA VITHAL YERGOLKAR	ENG21CS0041					
ANANYA VODNALA	ENG21CS0042					
CHHAVI SHARMA	ENG22CS0278					
CHILLARA SREE CHARAN KARTHIK	ENG22CS0279					
CHINMAYI PALLED	ENG22CS0280					
CHIRANJEEV KAPOOR	ENG22CS0281					

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SCHOOL OF ENGINEERING

Department of Computer Science & Engineering

Organizing

Value-Added Course on "Digital Marketing"

Target Audience

6th sem CSE Students

Date & Time :
04-07-2024 to 09-07-2024
at 10:00 am
Mode : Online

Conveners :

Dr. Udaya Kumar Reddy,
Dean of SOE-DSU
Dr. Girisha G S,
Chairman CSE-DSU

Resource Person :

Dr. S. Gokulakrishnan,
Assistant Professor, CSE Dept

Faculty Coordinator :

Prof. Soubhagyalakshmi P
Assistant Professor, CSE Dept



Registration Link

Register through the Link or Scan the QR Code

https://forms.gle/M9z3XdCuVXsQzwdy7

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COURSE OUTLINE:

- **Module 1:** Introduction to Digital Marketing
- **Module 2:** Web design and Web analytics
- **Module 3:** Google AdWords and SEO Optimization
- **Module 4:** Creating a Facebook page and Business tools on LinkedIn
- **Module 5:** E-mail marketing and Mobile Marketing

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Value Added Course- Digital Marketing (04-07-24 to 09-07-24)

Timestamp	Email Address	FULL NAME	USN	Semester
6-29-2024 16:28:45	eng21cs0102@dsu.edu.	D Akshitha	ENG21CS0102	6
6-29-2024 16:29:05	eng21cs0079@dsu.edu.	Bhuvan.j	ENG21CS0079	6
6-29-2024 16:29:46	eng21cs0305@dsu.edu.	PRATIYUSH VERMA	ENG21CS0305	7
6-29-2024 16:30:07	eng21cs0468@dsu.edu.	VEERESH D	ENG21CSO468	6th
6-29-2024 16:30:17	eng21cs0262@dsu.edu.	Namitha T S	ENG21CS0262	7
6-29-2024 16:30:44	eng21cs0321@dsu.edu.	Raksha R	ENG21CS0321	6
6-29-2024 16:31:27	eng21cs0033@dsu.edu.	Amith R	ENG21CS0033	6
6-29-2024 16:31:38	eng21cs0115@dsu.edu.	Dhiren CR	ENG21CS0115	7
6-29-2024 16:31:54	eng21cs0068@dsu.edu.	Basavaraj A	ENG21CS0068	6
6-29-2024 16:32:55	eng21cs0225@dsu.edu.	M.LOKESH KUMAR	ENG21CS0225	6th
6-29-2024 16:33:34	eng22cs1016@dsu.edu.	Souvik Mandal	ENG22CS1016	7th
6-29-2024 16:34:46	eng21cs0095@dsu.edu.	CHETHAN ANAND DK	ENG21CS0095	7th sem
6-29-2024 16:34:53	eng22cs1032@dsu.edu.	Mohammed Arif	ENG22CS1032	7
6-29-2024 16:35:02	eng21cs0504@dsu.edu.	SARASWAT	ENG21CS0504	7
6-29-2024 16:35:49	eng21cs0222@dsu.edu.	Manoj S	ENG21CS0222	6
6-30-2024 16:36:11	eng21cs0136@dsu.edu.	GANGADHARA B	ENG21CS0136	7
6-30-2024 16:37:40	eng21cs0186@dsu.edu.	Keerthana V	ENG21CS0186	6
6-30-2024 16:38:15	eng21cs0317@dsu.edu.	RACHIT KUMAR A	ENG21CS0317	6
6-30-2024 16:38:26	eng21cs0292@dsu.edu.	Pavana R	ENG21CS0292	6
6-30-2024 16:38:26	eng21cs0299@dsu.edu.	Praful Chandan Reddy S	ENG21CS0299	6th
6-30-2024 16:39:55	eng21cs0197@dsu.edu.	Lakshmi L	ENG21CS0197	7
6-30-2024 16:40:04	eng21cs0298@dsu.edu.	Pooja M	ENG21CS0298	7
6-30-2024 16:40:54	eng21cs0206@dsu.edu.	Lohith N H	ENG21CS0206	6
6-30-2024 16:41:10	eng21cs0257@dsu.edu.	Umashankar	ENG21CS0257	7
6-30-2024 16:42:28	eng21cs0167@dsu.edu.	JANANI B	ENG21CS0167	6
6-30-2024 16:42:53	eng21cs0152@dsu.edu.	HARSHITHA R	ENG21CS0152	7
6-30-2024 16:44:30	eng21cs0045@dsu.edu.	Ankita S Hegde	ENG21CS0045	6th
6-30-2024 16:44:51	eng21cs0155@dsu.edu.	Harshitha S	ENG21CS0155	6
6-30-2024 16:45:34	eng21cs0277@dsu.edu.	Niyati Singhal	ENG21CS0277	7
6-30-2024 16:46:15	eng21cs0192@dsu.edu.	Krutika.N	ENG21CS0192	6
6-30-2024 16:47:16	eng21cs0296@dsu.edu.	Pooja.k.s	ENG21CS0296	6th
6-30-2024 16:47:47	eng21cs0019@dsu.edu.	Aishu Shree J P	ENG21CS0019	7th
6-30-2024 16:51:30	praveenraaj1432@gmai	Praveen M	ENG21CS0306	7
7-1-2024 16:51:50	eng21cs0315@dsu.edu.	R Harini	ENG21CS0315	7
7-1-2024 16:52:25	eng21cs0168@dsu.edu.	Jasmitha JK	ENG21CS0168	7th
7-1-2024 16:53:09	eng21cs0216@dsu.edu.	Manasa C R	ENG21CS0216	6th

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7-1-2024 16:54:20	eng21cs0101@dsu.edu.	Abhiram	ENG21CS0101	6th
7-1-2024 16:54:51	eng21cs0270@dsu.edu.	Nikitha V	ENG21CS0270	6th sem
7-1-2024 17:00:53	eng22cs1037@dsu.edu.	Rakesh prabhugowda	ENG22CS1037	7th
7-1-2024 17:03:08	eng21cs0491@dsu.edu.	Amrutha	ENG21CS0491	7th semester
7-1-2024 17:05:32	shreeprsnl8@gmail.co	Shreeya A	ENG21CS0384	7th Semester
7-1-2024 17:06:56	manojonkaramurthy02	D O Manoj	ENG21CS0100	7
7-1-2024 17:16:18	madinenilikitha7989@g	MADINENI LIKITHA	ENG21CS0212	6th sem
7-1-2024 17:18:43	eng21cs0308@dsu.edu.	Priya kumari	ENG21CS0308	7
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7-1-2024 17:31:46	eng21cs0200@dsu.edu.	Lata	ENG21CS0200	7
7-1-2024 17:32:01	eng21cs0161@dsu.edu.	Ishita Goel	ENG21CS0161	6
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7-1-2024 18:57:31	eng21cs0404@dsu.edu.	Smriti Singh	ENG21CS0404	6th
7-1-2024 19:24:50	eng21cs0338@dsu.edu.	ROHITH BEDRE	ENG21CS0338	7th
7-2-2024 19:28:42	amareshero41@gmail.c	K.Amaresh Srujan Gupta	ENG21CS0178	6
7-2-2024 19:37:31	eng21cs0187@dsu.edu.	KHURSHEED IRAM	ENG21CS0187	6th
7-2-2024 21:19:25	eng21cs0461@dsu.edu.	VAMSHI SV	ENG21CS0461	7
7-2-2024 22:58:06	eng21cs0429@dsu.edu.	SUPRITHA CHAND	ENG21CS0429	7
7-2-2024 23:10:48	eng21cs0398@dsu.edu.	Sindhu N	eng21cs0398	6
7-2-2024 23:24:22	eng21cs0413@dsu.edu.	Sri Devi C R	ENG21CS0413	6
7-2-2024 0:25:04	eng21cs0405@dsu.edu.	SNITHA S	ENG21CS0405	6
7-2-2024 9:45:56	eng20cs0159@dsu.edu.	Kishore Kumar K	ENG20CS0159	Alumini
7-2-2024 9:47:10	soubhagyalakshmi.p-	Pullagura	Eng21cs0008	6th
7-2-2024 10:37:39	eng21cs0507@dsu.edu.	Surya Vignesh S	ENG21CS0507	7th

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Value Added Course-Digital Marketing

Digital Marketing - Value Added Course Report from 4th July to 9th July 2024.

Conducted by: Department of CSE

Faculty Coordinator: Dr. P.Soubhagyalakshmi

Resource Person: Dr. S. Gokulakrishnan,

SUMMARY

The value added course on Digital Marketing was successfully conducted from 4th July to 9th July 2024, from 10:00 AM onwards in the online mode. The workshop was organized by Department of CSE for 30 Hrs. of time. The resource person for the program was Dr. S. Gokulakrishna and the faculty coordinator Dr. P. Soubhagyalakshmi

The value added course was attended by a total of 77 individuals, including 1 organizer and 2 volunteers who helped with various aspects of the event, such as registration, set up and other technical issue of participants.

The workshop was structured into five sections: Introduction on digital marketing and tools used in digital marketing. In digital marketing, use of web design and word press to create a website and insights on Google Analytics was discussed. Strategies used to engage customers through email campaigns and mobile channels was discussed. Explained the role of Facebook marketing importance. Discussed the marketing ideas using LinkedIn, YouTube and Pinterest. Each session included a presentation, followed by interactive case study sessions were discussed. The participants were encouraged to participate actively and asked questions throughout the session

The main objective of the workshop was to make the participants to have well understanding about the digital marketing and the various tools to promote the digital marketing in gaining experience and to become a competitor in the field of marketing as a leader. This value added course gives the inputs to become as an entrepreneur

The feedback received from the participants was very positive. They appreciated the clear and concise explanations of value added course on digital marketing and the exercises that allowed

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them to apply what they have learned in real-time. The volunteers and organizers also received positive feedback for their efforts in ensuring a smooth and organized event.

In conclusion, the value added course on digital marketing was successful, with positive feedback from participants, volunteers, and organizers alike. I believe that this event provided a valuable learning opportunity for all those who attended, and I am grateful for the opportunity to have conducted it.

SCHEDULE OF THE VALUE ADDED COURSE ON DIGITAL MARKETING

S.No	Date	Course Outline	Topics Covered	Time
1	04-07-2024	Module 1	Introduction to Digital Marketing	10:00 AM to 1:00 PM and 1:30 PM to 4:30 PM
2	05-07-2024	Module 2	Web Design and Web Analytics	10:00 AM to 1:00 PM and 1:30 PM to 4:30 PM
3	06-07-2024	Module 3	Google AdWords and SEO optimization	10:00 AM to 1:00 PM and 1:30 PM to 4:30 PM
4	07-07-2024	Module 4	Creating a Facebook page and Business tools on LinkedIn	10:00 AM to 1:00 PM and 1:30 PM to 4:30 PM
5	09-07-2024	Module 5	E-mail marketing and Mobile Marketing	10:00 AM to 1:00 PM and 1:30 PM to 4:30 PM

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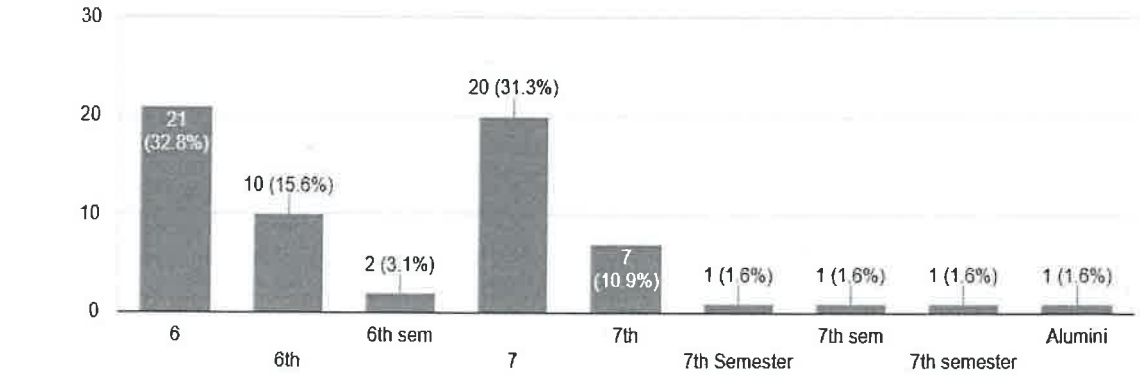
Value Added Course-Digital Marketing

SECTION WISE PARTICIPANTS ANALYSIS

Semester

Copy

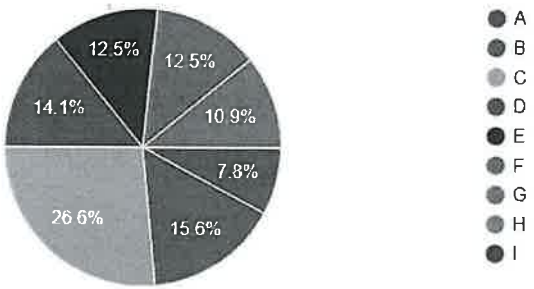
64 responses



Section

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Value Added Course-Digital Marketing

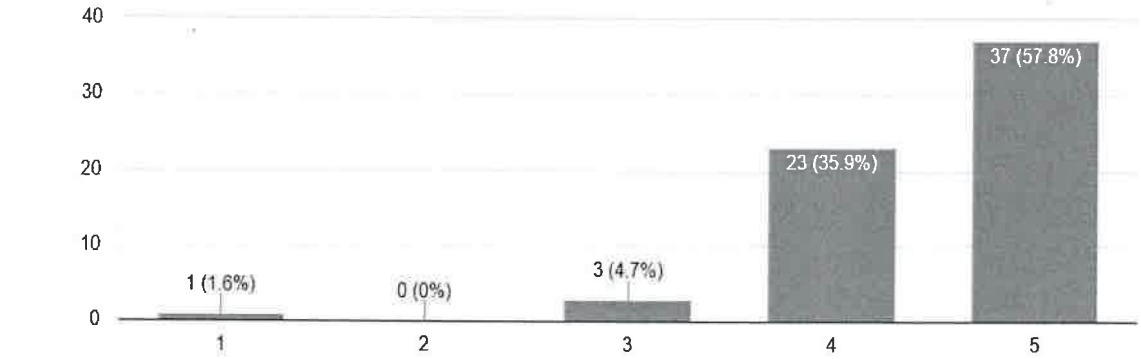
FEEDBACK ANALYSIS

Day 1- Introduction to Digital Marketing

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Did it meet your expectations

64 responses

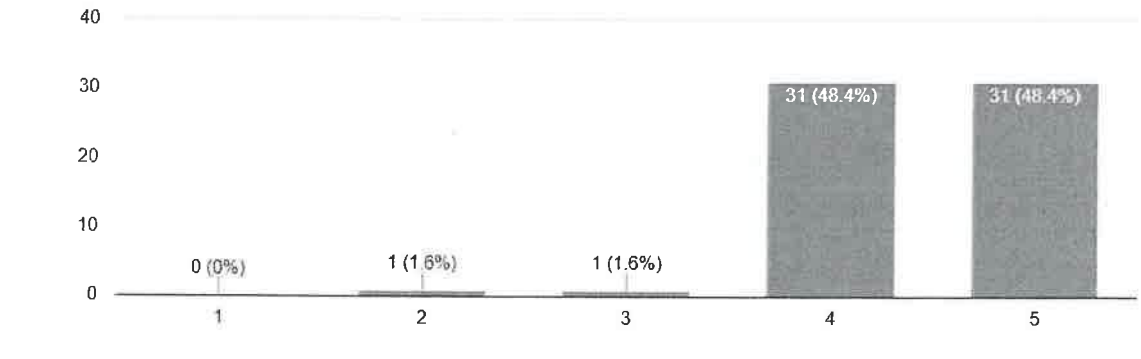


Day1 Web Design and Google Analytics

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Did it meet your expectations

64 responses



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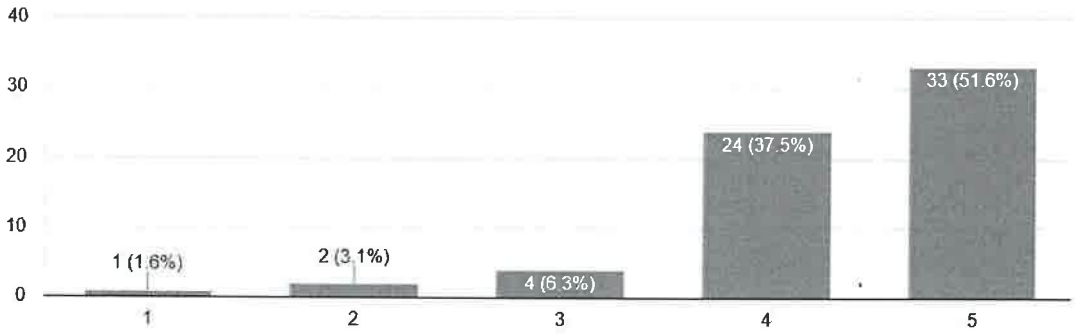
Value Added Course-Digital Marketing

Day 2- SEO and SEM

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Did it meet your Expectations?

64 responses

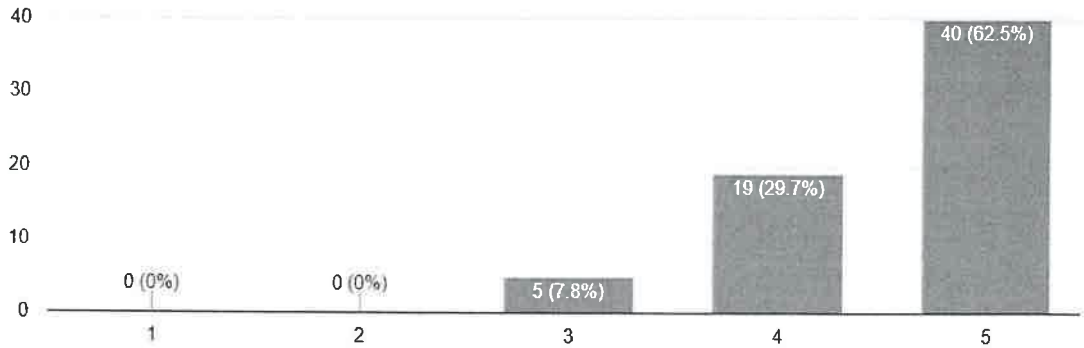


Day 3- E-mail marketing and Mobile Marketing

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Did it meet your Expectation?

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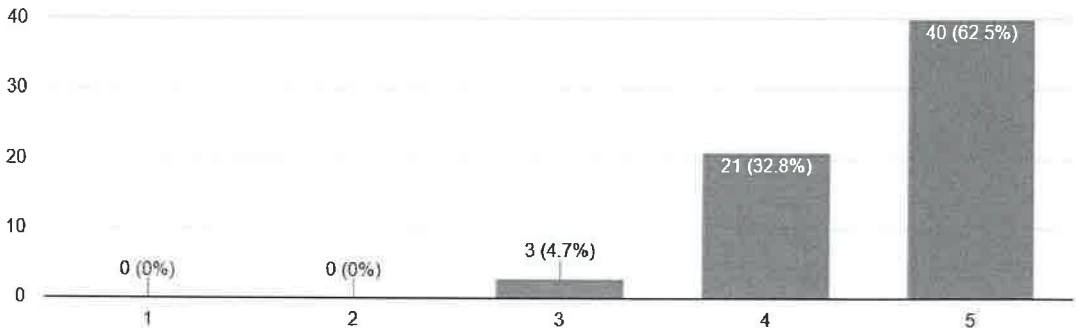
Value Added Course-Digital Marketing

Day 4- Digital Media Planning and Facebook Marketing

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Did it meet your expectation?

64 responses

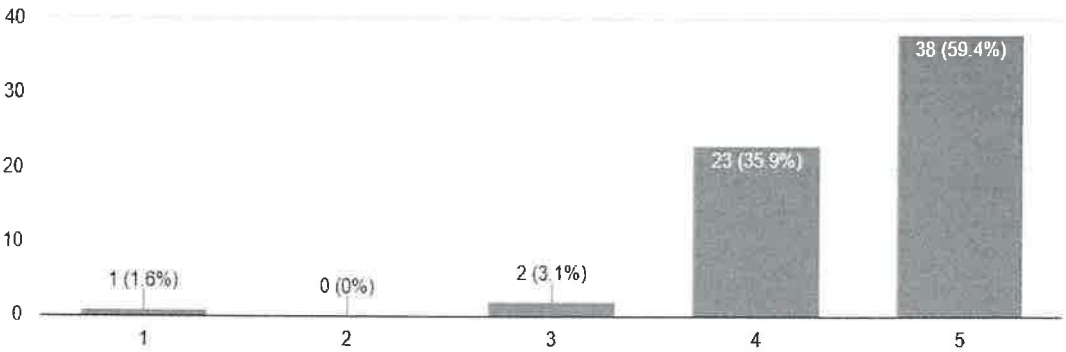


Day 5- Linkedin Marketing , Youtube Marketing and Pinterest Marketing

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Did it meet your expectation?

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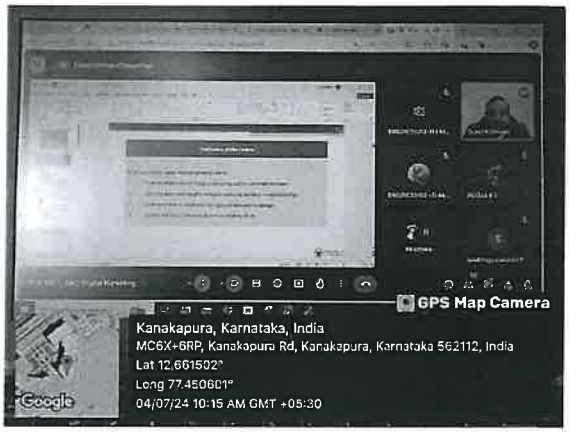
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Value Added Course-Digital Marketing

PHOTOS DURING THE SESSION

DAY 1

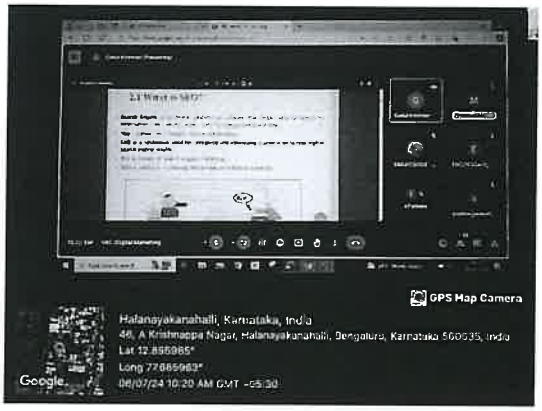


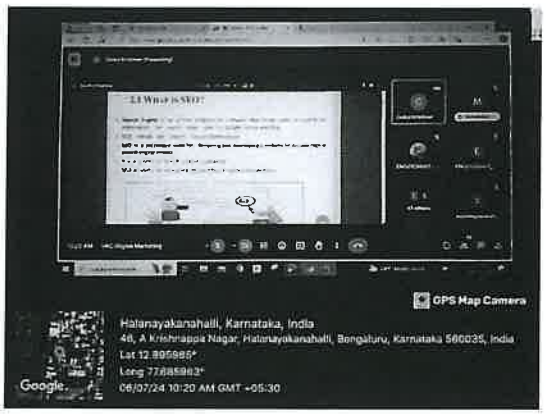


DAY 2



DAY 3





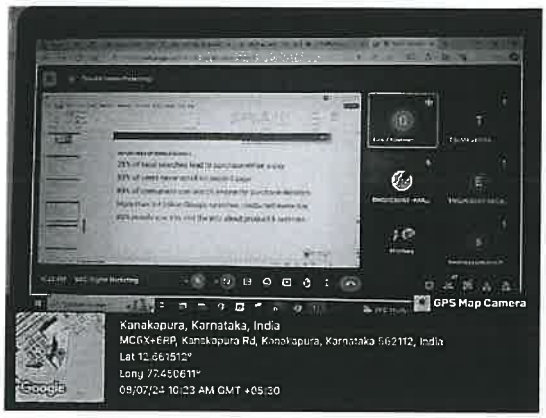
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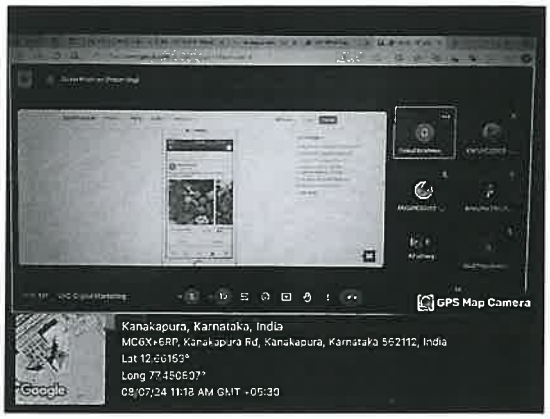
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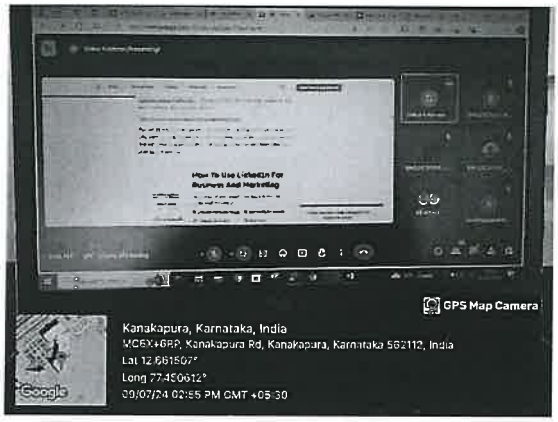
Value Added Course-Digital Marketing

DAY 4





DAY 5





Value Added Course on Digital Marketing Workshop Documents and Images =>
https://drive.google.com/drive/folders/1HX1hgQNp9xJBjAQeGcGsO1kwjFrOOW3R?usp=sharing

Coordinator:

Dr. P. Soubhagyalakshmi

Volunteers:

Akshita, Janani B

12/7/24

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Dept. of Computer Science and Engineering
School of Engineering
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SCHOOL OF ENGINEERING

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Devarakaggalahalli, Harohalli, Kanakapura Road, Ramanagara Dt – 562 112

Department of Computer Science & Engineering

Certificate of Participation

This is to certify that Mr./Ms. CHETHANANAND DK has participated in the Value Added Course on "Digital Marketing" Organized by Department of Computer Science and Engineering in SOE , Dayananda Sagar University, from 4th July 2024 to 9th July 2024.

Dr. Girisha G S
Chairperson, CSE, DSU

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Dr. Udaya Kumar Reddy
Dean, SOE , DSU

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Department of Computer Science & Engineering

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This is to certify that Mr./Ms. Amrutha has participated in the Value Added Course on "Digital Marketing" Organized by Department of Computer Science and Engineering in SOE , Dayananda Sagar University, from 4th July 2024 to 9th July 2024.

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This is to certify that Mr./Ms. Amith R has participated in the Value Added Course on "Digital Marketing" Organized by Department of Computer Science and Engineering in SOE , Dayananda Sagar University, from 4th July 2024 to 9th July 2024.

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This is to certify that Mr./Ms. Aishu Shree J P has participated in the Value Added Course on "Digital Marketing" Organized by Department of Computer Science and Engineering in SOE , Dayananda Sagar University, from 4th July 2024 to 9th July 2024.

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This is to certify that Mr./Ms. ADITYA PRAKASH has participated in the Value Added Course on "Digital Marketing" Organized by Department of Computer Science and Engineering in SOE , Dayananda Sagar University, from 4th July 2024 to 9th July 2024.

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Timestamp	Email Address	FULL NAME	USN	Semester	Section	Day 1- Introduction to Digital Marketing Did it meet your expectations	Day1 Web Design and Google Analytics Did it meet your	Share your key takeaways from day1	Day 2- SEO and SEM Did it meet your Expectation	Share your key takeaways from day 2	Day 3- E-mail marketing and Mobile Marketing Did it meet your Expectation?	Share your key takeaways from day 3	Day 4- Digital Media Planning and Facebook Marketing Did it meet your expectation?	Share your key takeaways from day 4	Day 5- LinkedIn Marketing , Youtube Marketing and Pinterest Marketing Did it meet your	Share your key takeaways from day 5	Which topics do you found most useful?	Do you have any other comments or suggestions about your overall experience?
7-9-2024 16:28:45	eng21cs0102@dsu.edu.in	D Akshitha	1NG21CS0102	6	B	5	5	Learnt abt various types of web designs	4	Learnt abt seo and sem	5	Various marketing techniques	5	How to handle social media platforms	5	Social media platforms	All of them, most of them are useful for e-	-
7-9-2024 16:29:05	eng21cs0079@dsu.edu.in	Bhuvan.j	1NG21CS0079	6	B	4	4	,tips and targeting audience	4	Using Google analytics converting visitors to customer	4	Target audience and only sent them emails and plan to select	5	Mostly used and large amount of market types of advertising like vedio,image	4	How we can promote ourselves	Email,web and Facebook marketing	
7-9-2024 16:29:46	eng21cs0305@dsu.edu.in	PRATHYUSH	ENG21CS0305	7	E	5	5	Introduction on digital marketing	5	Types of strategy	5	Absent	4	Facebook marketing strategy	4	Different types of marketing	Instagram marketing	It was really good
7-9-2024 16:30:07	eng21cs0468@dsu.edu.in	VEERESH D	1NG21CS0468	6th	G	5	5	Good	4	Experience	5	Better	4	Better	5	Nothing	Marketing ideas	Knowledge
7-9-2024 16:30:17	eng21cs0262@dsu.edu.in	Namitha T S	ENG21CS0262	7	D	5	4	Introduction to digital marketing	4	SEM	4	Mobile marketing	5	Planning	4	Linkedin marketing	All the topics	It was very useful
7-9-2024 16:30:44	eng21cs0321@dsu.edu.in	Rakshit R	1NG21CS0321	6	E	5	5	Introduction	5	Marketing strategy	5	Social media	5	SOE	5	YouTube and Pinterest	Social media	Excellent, would
7-9-2024 16:31:27	eng21cs0033@dsu.edu.in	Amith R	1NG21CS0033	6	A	5	5	Different web designs	5	Search engine optimization	5	Ways of marketing	5	Planning of digital media	5	How to market on different	All of them are useful	-
7-9-2024 16:31:38	eng21cs0115@dsu.edu.in	Dhiran CR	1NG21CS0115	7	B	4	4	Always understand what attracts the	4	Never cluster too much information	3	Key points are very	3	Understand user algorithm	4	Understand user algorithm	YouTube marketing	No
7-9-2024 16:31:54	eng21cs0068@dsu.edu.in	Basavaraj A Nadin mamani	ENG21CS0068	6	A	5	5	Insightful	5	Insightful	5	Insightful	5	Insightful	5	Insightful	Many topics	None
7-9-2024 16:32:55	eng21cs0225@dsu.edu.in	M.LOKESH KUMAR	1NG21CS0225	6th	C	5	5	First day was introduction on digital marketing and find hands on experience on the Google web	5	Second day was mainly focused on sem and seo both are well explained	5	Email marketing was very helpful	5	4 th day we have learnt how to use digital media for the marketing	5	Last day we gained more infomation about digital marketing	E mail marketing	No, overall it was great experience
7-9-2024 16:33:34	eng22cs5101@dsu.edu.in	Souvik	ENG22CS5101	7th	G	5	5	Good insights for digital marketing	5	Important explanation about SEO and	5	How to work with e-	5	Digital Media Planning and	5	Linkedin Marketing , Youtube	Linkedin	Good
7-9-2024 16:34:46	eng21cs0095@dsu.edu.in	CHETHAN ANAND DK	ENG21CS0095	7th sem	B	5	4	It gave me the overall steps to begin our Carrer in digital marketing	5	I understood how search engine optimization takes place and what are	5	Understood how the marketing of a product	4	I learned how to promote my product and sell with help of	5	This taught me how to enhance my marketing and analytics	E-mail marketing and mobile marketing and	It was very helpful learning
7-9-2024 16:34:53	eng22cs1032@dsu.edu.in	Mohanaped	ENG22CS1032	7	B	4	4	Good	5	Good	4	Average	5	Good	5	Average	Yes	NA
7-9-2024 16:35:02	eng21cs0504@dsu.edu.in	SARASWATI BHATTACHA	ENG21CS0504	7	G	3	3	Useful and gateway to new concepts	3	Precise	3	Introduction to new technology	4	Useful	4	Will help in finding key job roles	Search Engine Optimisation	It was quite good
7-9-2024 16:35:49	eng21cs0222@dsu.edu.in	Manoj S	ENG21CS0222	6	C	5	5	Regarding traditional marketing	5	Regarding search engine of	5	We learnt about email	5	Regarding facebook ads	5	Linked in	SOE, traditional	No
7-9-2024 16:36:11	eng21cs0136@dsu.edu.in	GANGADHARA B	ENG21CS0136	7	B	5	4	I got to know about Tools used in Digital Marketing	4	I learnt about Search Engine Optimization	5	I got idea about in which platforms the marketing can be done	5	I got to know about how marketing can be done in Facebook tirgonly	5	Now I understood how to make use of YouTube for marketing instead of using it for watching	All topics are useful	No suggestion, It was awesome
7-9-2024 16:37:40	eng21cs0180@dsu.edu.in	Keerthana V	ENG21CS0180	6	C	4	4	I learnt about what exactly the digital marketings is using examples like facebook	4	I learnt about advanced keyword research, high-quality content creation, and optimizing site performance for	4	For email marketing use personalized content and automation to	4	I learnt wt exactly the digital media planning is and also learnt how marketing works	4	- Linkedin: Optimize profiles, engage in groups, and use targeted ads for B2B outreach.	I personally liked first day of the workshop where we learnt about	Nothing
7-9-2024 16:38:15	eng21cs0317@dsu.edu.in	RACHIT	ENG21CS0317	6	E	5	5	Google analytics	5	SEO SEM	5	Email and Mobile	5	Digital media and facebook	5	LinkedIn and YouTube	Google analytics	It was good
7-9-2024 16:38:26	eng21cs0292@dsu.edu.in	Pavana R	ENG21CS0292	6	D	4	4	Learnt about introduction of digital marketing and got into google	4	Learnt about more into digital marketing	4	Go into understanding of mobile marketing and	4	How digital media is planned and how we do the facebook	4	Learnt about marketing like linkedin,youtube ,Pinterest	Marketing	Overall the experience was
7-9-2024 16:38:26	eng21cs0299@dsu.edu.in	Prathil Chandan	ENG21CS0299	6th	D	5	5	Insight about Google analytics	5	Optimal search engine optimization	5	Marketing through mobiles	5	Got to know more about DMP	5	Other sources of marketing like Linkedin and pinterest	Various sources of digital marketing	It was good
7-9-2024 16:39:55	eng21cs0197@dsu.edu.in	Lakshmi L	ENG21CS0197	7	C	5	5	Taking User data from each website visitors through page tags,and ease study was understood clearly	5	Explanation was in detail about the optimising a website for organic search traffic, white/gray/black hath organic	5	Powerful marketing Channel, Direct marketing via digital	5	Because advertising can be a powerful tool for business	5	To make connections generate leads improve brand awareness in business	Email Marketing and Linkedin marketing	Thank you for making us understand the
7-9-2024 16:40:04	eng21cs0298@dsu.edu.in	Pooja M	ENG21CS0298	7	D	4	4	Learnt about what is digital marketing	4	I learnt optimizing a website for paid advertising to attract traffic	4	Email marketing was so effective and I learnt so useful in 3rd day	5	The session was so understandable and it was so useful for me	4	The session of LinkedIn marketing was so useful	Day 4	No
7-9-2024 16:40:54	eng21cs0206@dsu.edu.in	Lohith M H	ENG21CS0206	6	C	3	4	How web design help in marketing and brief outline about digital marketing	3	Main seo topics	3	The session was about how email marketing can be used to reach	3	It was about digital marketing planning and how to run Facebook ads	3	Learned about creating youtube channel	Google analytics	Good
7-9-2024 16:41:10	eng21cs0257@dsu.edu.in	Umashankar	1NG21CS0257	7	D	4	4	Brief Understanding about digital marketing	3	SEO Optimization ,web design	3	Email marketing and mobile marketing	4	Facebook marketing and business tools	4	LinkedIn marketing and YouTube marketing	Web design and web analytics	Very good and learning session
7-9-2024 16:42:28	eng21cs0767@dsu.edu.in	JANANI B	1NG21CS0767	6	C	5	5	Introduction about digital marketing and various types and tools	5	Creation of web page and web analytics was useful	5	Google ad words and seo optimization helped us gain the knowledge on trade marketing	5	Building facebook page and linkedin profile helped us to publish our products in our own strategy	5	YouTube channel and tools for linked in helped me in building more healthy and vast profile	Web pages and web analytics and linkedin tools	No, the session were npinost
7-9-2024 16:42:53	eng21cs0152@dsu.edu.in	HARSHITHA R	ENG21CS0152	7	B	4	5	Depth of coverage suitable for the target audience for beginners or intermediate, Basic principles of analyzing data to make informed decisions, Understanding of key performance indicators (KPIs) such as page visits and creating	4	Identifying and targeting the right keywords ,Understanding how PPC works, Overview of popular SEO toolsImportance of meta tags and Improvement in skills and knowledge.	5	E-mail marketing and Mobile Marketing , Crafting engaging subject lines and email content, Developing and promoting mobile apps , Creative ways mobile	5	Selecting the right channels based on target audience and objectives.	5	Hands-on activities or case studies to reinforce learning. Creating mock LinkedIn posts, YouTube videos, or Pinterest pins. Criteria for selecting the right channels based on objectives	Web Design and Google Analytics and digital media planning	Nil
7-9-2024 16:44:30	eng21cs0045@dsu.edu.in	Ankita S Hegde	ENG21CS0045	6th	A	5	5	Introduction about digital marketing and various types and tools	5		5		5		5			
7-9-2024 16:44:51	eng21cs0155@dsu.edu.in	Harshitha S	ENG21CS0155	6	C	5	5	I have got introduced to traditional marketing and digital marketing, types of digital marketing , overall it was good	5	We have get to know about SEO and SEM,SEO this topic would help me alot in my web development path ,it's a part of where it could help me to ranking the website or webpages	5	I have get to know about email marketing and tools for it and mobile marketing too	5	This digital media planing is one of my favourite topic as in digital marketing we have different types of digital marketing and many tools,this digital media planing will help to achieve the path to the goal of Marketing a product, even I have get to in detail about Facebook marketing which is helpful	5	This session I have learnt two new things which I was not knowing earlier that is linkdin Marketing, first I thought linkdin is for only showcasing the profile and job finding,but in this session I come to know it can used as a digital channel to market the product, and I come to know digital channel that is pinterest	Social media marketing and digital media planing	Over all it was a very worth, this course has made me to kickstart the journey of learning Digital marketing
7-9-2024 16:45:34	eng21cs0277@dsu.edu.in	Nipati Singhal	ENG21CS0277	7	D	4	5	We got to learn basic web design and technical terms	5	I carnt about seo and sem	5	Email marketing, types of email marketing	4	I carnt about how Facebook markets	5	Marketing technique of various mne such as linkedin, YouTube, pinterest	Email marketing, cold emailing etc	It was helpful and many such sessions could be conducted
7-9-2024 16:46:15	eng21cs0192@dsu.edu.in	Kruthika N	ENG21CS0192	6	C	4	4	What is digital marketing and web design	5	What is seo and sem	4	Types of marketing	5	Digital media planning and facebook	4	Marketing types	Youtube marketing	It was good

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7-9-2024 16:47:16	eng21cs0296@dsu.edu.in	Pooja.ks	ENG21CS0296	6th	D	5	5	It's a very nice session ,we learnt a very lot about digital marketing introduction.	5	We got knowledge about soc it a good session and interactive session.	5	We got to know that how to market in using email how to marketing the products using mobile.	5	Day 4 we get to know about marketing in face book platform how we can use the platform for our marketing	5	Here we get know how to create a channel in youtube and what are the keyterms we can use to see the our posting and statistics of our posting information ,and how to market using linkedin platform.	Linkedin marketing and youtube marketing	It's a overall nice sessions
7-9-2024 16:47:47	eng21cs0019@dsu.edu.in	Anshu Shree J P	ENG21CS0019	7th	A	5	4	Digital marketing introduction,and web design	4	Web design and search engine marketing and optimization	4	Email and mobile marketing	5	Introduction to different media platforms ,Facebook marketing	4	YouTube, linkedin and pinterest marketing platforms	Web designing,different marketing platforms	I have learnt different marketing platforms and seo,sem it was very helpful
7-9-2024 16:51:30	praveenraj1432@gmail.com	Praveen M	ENG21CS0306	7	E	5	5	Understood the meaning of Digital Marketing	5	Search Engine Optimization	5	YES	5	FB and Linkedin	5	YouTube	Web design and Soc	NA
7-9-2024 16:51:50	eng21cs0315@dsu.edu.in	R Harini	ENG21CS0315	7	E	5	5	The introduction to the topics were good	5	Learnt more about digital marketing	5	Gained knowledge about email marketing	5	Explored about facebook marketing	5	Got to know about other social media marketing	All topics	It was a good
7-9-2024 16:52:25	eng21cs0168@dsu.edu.in	Jasmitha JK	ENG21CS0168	7th	C	4	4	learnt basics of web design and user analytics	4	learnt about search engine and optimization tools	4	learnt about marketing in form of ads	4	learnt about how to use digital platforms for more exposure of the company products and services	4	learnt how to share and make more ad related content and promote it.	seo	no
7-9-2024 16:53:09	eng21cs0216@dsu.edu.in	Manasa C R	ENG21CS0216	6th	C	1	2	Digital marketing	2	SEO	4	E-mail marketing	4	DMP	4	Marketing	YouTube Marketing	No
7-9-2024 16:54:20	eng21cs0101@dsu.edu.in	Abhiram	ENG21CS0101	6th	B	5	5	Digital marketing	5	Basic	5	Digital marketing	5	Digital marketing	5	Digital marketing	All	Nope
7-9-2024 16:54:51	eng21cs0270@dsu.edu.in	Nikitha V	ENG21CS0270	6th sem	D	5	5	Creating digital media mix	5	Keyword research Ad creatio6	5	How can marketing be done in better ways to reach clients expectations	5	Planning and face book marketing	5	About youtube market and Pinterest	All the topics	Nine
7-9-2024 17:00:53	eng22cs1037@dsu.edu.in	Rakesh prabhuguwda Gowda	ENG22CS1037	7th	C	5	4	In day 1 i understood that what is actually a digital marketing is and how it works	4	SEO (Search Engine Optimization) SEO involves optimizing your website to rank higher in organic search engine results through keyword research, on-page optimization, and quality content creation. It also includes off-page tactics like building backlinks and technical improvements to enhance site speed and mobile usability. SEM (Search Engine Marketing) SEM encompasses both SEO and paid search advertising, such as PPC campaigns, to increase visibility and drive targeted traffic. It involves creating and managing ad campaigns, keyword bidding, and optimizing ad performance for better ROI.	5	Email marketing involves sending targeted messages to a list of subscribers to promote products, services, or content and foster customer relationships. Mobile marketing focuses on reaching customers through mobile devices via SMS, mobile apps, push notifications, and mobile-optimized websites.	5	Digital media planning involves strategizing the best ways to use various digital channels to reach target audiences, considering factors like budget, platform selection, and timing. Facebook marketing utilizes Facebook's platform to reach and engage with a vast audience through organic posts, paid ads, and targeted campaigns	4	LinkedIn marketing focuses on leveraging the professional network to build brand awareness, generate leads, and establish industry authority through content sharing and targeted ads. Pinterest marketing utilizes the platform's visual discovery engine to reach and inspire users with engaging images and ideas, driving traffic to websites and boosting sales.	Mobile marketing	We are expecting the more events to know deep understanding about the digital marketing.. it's not enough for applying to job as digital marketer
7-9-2024 17:03:08	eng21cs0491@dsu.edu.in	Amruthi	ENG21CS0491	6h semester	G	5	5	The session gave me a clear understanding of digital marketing, differences between digital marketing and traditional marketing. I learnt the steps for web designing and tools used. Also gained knowledge on Google Analytics.	5	I got to know about SEO and SEM in detail which was very useful.	5	The session gave me a depth knowledge on email and mobile marketing	5	The session gave me knowledge on digital media and it's techniques and process in detail. Also gave me a brief awareness on Facebook marketing as well.	5	The session gave me the brief awareness and understanding of Linkedin marketing, YouTube marketing and Pinterest marketing.	SEO, Web designing, Google Analytics, Social media platforms and tools.	The sessions were very useful and interactive. I personally liked the practical demonstrations given by Mr. Gokul. The topics were well explained and enlightened me with the digital marketing concepts, techniques, platforms, tools, and technologies.
7-9-2024 17:05:32	shreeprasd@gmail.com	Shreeya A	ENG21CS0384	6h Semester	F	4	4	Intro to Digital Marketing	4	Web design and Analysis	4	SEO optimization	4	Creating Facebook and Linkedin web pages	4	Mobile marketing	SEO optimization	Good session
7-9-2024 17:06:56	manojonkaramurthy82@gmail.com	D O Manoj	ENG21CS0100	7	B	4	4	Web designing	5	SEO	4	Mobile marketing	4	Facebook marketing	4	Linkedin marketing	Mobile marketing	The session was good
7-9-2024 17:16:18	madhumithkitta7989@gmail.com	MATHINENI LIKITHA	ENG21CS0212	6th sem	C	5	4	Introduction is given in a detail way	4	It is nice to know about the platforms to improve digital marketing skills	5	It is very helpful to explore using e-mail marketing	4	Understood well about this as well.	5	Got to know how much these are important in this technologies world.	Everything is useful in different ways.	I was very helpful ..and useful
7-9-2024 17:18:43	eng21cs0308@dsu.edu.in	Priya kumari	ENG21CS0308	7	E	5	5	Responsive Design	5	Quality Content	5	Personalization and Segmentation	5	Audience Targeting, Content and Creativity	5	Professional Networking	Knowledge about wordpress	It was good
7-9-2024 17:21:48	eng21cs0283@	L	Pallavi P	7th	D	5	4	What is digital marketing ,types ,tools	4	Seo and Sem techniques are used to	5	How should we create	5	Digital media planning is	1	---	Email ,linkedIn and	Nice explanation
7-9-2024 17:31:46	eng21cs0200@dsu.edu.in	Lata	ENG21CS0200	7	C	5	5	I learnt about digital marketing in detail	5	SEO topic was very interesting	5	In today's world e mail marketing is very much useful	5	Digital media planning is an interesting topic	5	I learnt about marketing platforms such as linked in, youtube, pinterest marketing	SEO, youtube marketing, digital media planning	Very nice course
7-9-2024 17:32:01	eng21cs0161@dsu.edu.in	Ishita Goel	ENG21CS0161	6	C	4	4	Understood the basics and why is it important	2	Just basics not in detail	5	How is it implemented	5	How platforms are important for marketing	5	Methods of marketing on each platform	Day-4 and day-5	It was insightful

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7-9-2024 17:34:59	eng21cs0425@dsu.edu.in	Sumana Manjunath	ENG21CS0425	6	F	5	5	Gained useful information about digital marketing,DMM,how to use Wordpress for web designing and excellent features of Google analytics that helps to analyse the sales and customer data.	5	Learnt the importance of search engine optimization,SEO implementation of SEO,AB testing and SEM.	5	Go to know about how email marketing is impactful and how various mobile apps like WhatsApp business can be utilizes for digital marketing	5	Learnt the process involved in digital media planning for WhatsApp and Facebook marketing with various types of ads.	5	Learnt how YouTube, Linkedin and Facebook marketing plays a major role in digital marketing and also it's extraordinary feature options	Website designing,Digital media planning,and various digital platforms used for marketing	It was very useful and a great learning experience
7-9-2024 17:40:22	eng21cs0320@dsu.edu.in	RAJATH PRASHANTH KUMAR	ENG21CS0320	6	F	4	4	How digital marketing varies from traditional marketing, the types, benefits, POEM model, Digital marketing tools like MailChimp, and DMM- Digital Media Mix	4	webdesign in digital marketing, word press and how to create a website on it and insights on Google Analytics	4	SEO and its importance, web crawler, SEO types On page and Off page, SEO Techniques - White hat and Blackhat	4	Facebook Whatsapp marketing, linkedin business page and Digital Media Planning	4	Youtube marketing and Linkedin marketing and networking, Pinterest	Google Analytics, SEO and Wordpress	Overall it was greatly curated to cover basics of all topics over 5 days, but felt could have added some hands on experience sessions where we try out the tools ourselves
7-9-2024 17:43:17	eng21cs0052@dsu.edu.in	Arhaana P. Padke	ENG21CS0052	7	A	5	4	I learnt about web design front end development and Google analytics	5	I learnt about case studies about digital marketing used in Spotify and starbucks	5	I learnt about online marketing which involves email marketing and mobile marketing	5	I learnt about social media and digital media marketing	5	I learnt about social media platforms like pintrest marketing YouTube and Linkedin marketing	The tools and platforms used in digital marketing	It was overall a wonderful and informative experience
7-9-2024 18:07:52	eng22cs3013@dsu.edu.in	RISHI NARAYAN TIWARY	ENG22CS3013	7	G	4	4	Learning the key element of design and starting a foundation to learn the tool figma, wordpress	4	Why SEO important, to implement in a website. And improve it's search results	5	Effective using of such tools to generate leads to act upon for a Industry.	4	Help in how making a important tools for activity to implement the, marketing needs.	4	Using the required tools for digital marketing to implement the useful	Emails Marketing, cold email to help me to sending email for Internship	Very good experience for learning, and generating the career thungh it
7-9-2024 18:32:52	eng21cs0441@dsu.edu.in	T SUMA JYOTHI	ENG21CS0441	6	F	4	4	I learnt about introduction to digital marketing	4	Understood seo and sem	4	I learnt how mobile and email can be used for marketing	4	Facebook marketing importance	4	How to market the ideas using LinkedIn ,YouTube and pinterest	Linkedin marketing	No
7-9-2024 18:57:21	eng21cs0404@dsu.edu.in	Smriti Singh	ENG21CS0404	6th	F	4	4	Introduction to digital marketing, its definition,how it is different from traditional marketing	4	SEO,google analytics	4	Using email for marketing	4	Media planning	4	Using linkedin,facebook, and other social media platform for marketing	Social media marketing,google analytics and media planning	It was an enlightening workshop
7-9-2024 19:24:50	eng21cs0338@dsu.edu.in	ROHITH HEDDE	ENG21CS0338	7th	E	4	4	Google analytics introduction components of digital marketing	4	seo Web hosting About url creation	4	E-mail marketing Instagram ads Mobile marketing through various ways And types	4	Digital marketing Facebook ads Facebook marketing through website and product review	5	Linkedin marketing YouTube marketing Pinterest marketing	About web hosting and seo and Facebook marketing	No the session was more interesting and understandable through real world exposure
7-9-2024 19:28:42	amareshsrm41@gmail.com	K Amaresh Srujan Gupta	ENG21CS0178	6	C	5	5	Good Explaining	5	About SEO and Sem	5	Strategy building	5	How digital media planning are happening	5	Good FeedBack Providings and Expalin of linkdin is good	Linkdin and youtube marketing is good	Maintaing the event was good and good co-ordination from the faculty.
7-9-2024 19:37:31	eng21cs0187@dsu.edu.in	KHUSHBOO IRAM	ENG21CS0187	6th	C	4	4	Got to know what digital marketing is.	4	Search Engine Optimization (SEO) is focused on optimizing a website in order to get traffic from organic search results. The goal of Search Engine Marketing (SEM) is to get traffic and visibility	5	strategies used to engage customers through email campaigns and mobile channels	4	strategizing and allocating resources across various online channels to optimize advertising efforts.	4	How to reach and engage target audiences through professional networking, video content, and visual inspiration.	Using online channels and technologies to promote products, services, and brands to reach and engage with a targeted audience effectively.	It was a good experience
7-9-2024 21:19:25	eng21cs0461@dsu.edu.in	VAMSHI SV	ENG21CS0461	7	G	5	5	good	5	good	5	good	5	good	5	good	the topic i found important was "why digital marketing is important ?"	no
7-9-2024 22:58:06	eng21cs0429@dsu.edu.in	SUPRITHA CHAND	ENG21CS0429	7	F	5	5	Brief about web designs About Google engine	5	About SEO n SEM	5	About marketing	5	About how facebook website is created How it works	5	How to create websites	Creating websites	No
7-9-2024 23:10:48	eng21cs0398@dsu.edu.in	Sindhu N	eng21cs0398	6	F	4	4	Basics of digital marketing	5	Depth into introduction to digital marketing	4	Pros and cons	5	Facebook marketing	5	Linkedin digital marketing	Social networking marketing	It was efficient
7-9-2024 23:24:22	eng21cs0413@dsu.edu.in	Sri Devi C R	ENG21CS0413	6	F	4	4	Introduction to Digital Marketing	4	Web designing	4	Practical aspects of concepts covered in linkedin and facebook	4	Providing the right content to the right customer at the right time	4	Live demonstration on websites like youtube, pinterest, etc	Practical aspects of every topic	NA
7-10-2024 0:25:04	eng21cs0405@dsu.edu.in	SNITHA S	ENG21CS0405	6	F	4	4	How digital marketing varies from traditional marketing, the types, benefits, POEM model, Digital marketing tools like MailChimp, and DMM- Digital Media Mix	4	Webdesign in digital marketing, word press and how to create a website on it and insights on Google Analytics	4	SEO and its importance, web crawler, SEO types On page and Off page, SEO Techniques - White hat and Blackhat	4	Facebook Whatsapp marketing, linkedin business page and Digital Media Planning	4	Youtube marketing and Linkedin marketing and networking, Pinterest	Linkedin marketing and networking, Pinterest	Overall it was greatly curated to cover basics of all topics but felt could have added some hands on experience sessions where we try out the tools ourselves
7-23-2024 9:45:56	eng20cs0139@dsu.edu.in	Kishore Kumar K	ENG20CS0159	Alumni	C	5	5	N/A	5	N/A	5	N/A	5	N A	5	N/A	N/A	N/A
7-23-2024 9:47:10	snabhagyalakshmi.pcse@dsu.edu.in	Pallagani Snabhagyalakshmi	Eng21cs0008	6th	B	5	5	Good	5	Good	5	Good	5	Good	5	Good	All topics	No
[illegible]	eng21cs0307@dsu.edu.in	Surya Vignesh S	ENG21CS0307	7th	G	3	4	Making ideas	3	Analysing ideas	3	Development	3	Approaching	3	Final model	Social marketing through media	It's good and useful

Chairperson
Dept. of Computer Science and Enginee.
School of Engineering
DAYANANDA SAGAR UNIVERSITY
Devarakaggalahalli, Harohalli
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SCHOOL OF ENGINEERING

Dayananda Sagar University

School of Engineering

Devarakaggalahalli, Harohalli Kanakapura Road, Ramanagara, Karnataka 562112

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
(Artificial Intelligence & Machine Learning)

Report

For

Five-Day Value-Added Course

On

"Machine Learning Models and its Mathematical Framework"

Date**: 16/07/2024 to 23/07/2024** Time: **9:30 am to 04:30 pm**

Mode of Conduction: Online: **Microsoft Teams Platform**

Target Audience: **5th Sem Students - Dept of CSE(AI&ML)**

Faculty Coordinators

Dr. Monika Goyal, Assistant Professor, Department of CSE(AI&ML)
Dr. Shreyas R Hole, Assistant Professor, Department of CSE(AI&ML)
Prof. Ayain John, Assistant Professor, Department of CSE(AI&ML)

Course Objectives:

- Enumerate the various types of machine learning
- Describe the mathematical foundations of machine learning
- Apply python libraries to analyze, preprocess and visualize datasets for machine learning tasks
- Examine the concepts of supervised and unsupervised machine learning
- Analyze the applications of machine learning in Cybersecurity, IoT and Natural Language Processing

Syllabus:

Module 1: Foundations of Machine Learning and Mathematics- Linear Transforms and representations(Matrix), Vector Spaces, Linear Independence, Eigenvalues and Eigenvectors, Normed Spaces and Geometry Concepts, Optimization and Vector Calculus

Module 2: Probability and Statistics, Machine Learning Libraries– Probability Distribution Functions, Hypothesis Testing, Confidence Intervals, ML Libraries- NumPy, Pandas, Matplotlib, Seaborn to analyze, preprocess, and visualize datasets for machine learning tasks.

Module 3: Classification and Regression Techniques – Multiple Linear regression, Logistic regression, Polynomial regression, Decision Tree Classifier, Naive Bayes Classifier.

Module 4: Dimensionality Reduction and Unsupervised Learning – Principal Component Analysis, K Means and Hierarchical Clustering, Model Evaluation and Techniques.

Module 5: Applications of Machine Learning in Real-world Scenarios - Investigating the practical use of machine learning in cybersecurity, IoT, and NLP domains.

Course Outcomes:

- Analyze and differentiate the various types of machine learning algorithms.
- Apply mathematical concepts and principles relevant to machine learning, such as probability, statistics and linear algebra to model and solve real-world problems.
- Utilize Python libraries for data analysis, preprocessing, and visualization to effectively manipulate and understand datasets for machine learning applications.
- Design and implement classification and regression models, to make data-driven predictions and decisions.
- Evaluate the performance of machine learning models using techniques like hypothesis testing and confidence intervals, ensuring robustness and reliability of the results.
- Apply dimensionality reduction techniques like principal component analysis to enhance model efficiency and interpretability for complex datasets.

Day- wise Schedule

Day -1

16/07/2024-(MONDAY)

Time	Program Topic	Resource Person
9:15 am - 9:30 am	Inauguration Talk	Dr. Jayavrinda Vrindavanam
9:30 am - 11:30 am	Introduction to Machine Learning and current trends and prospects	Dr. Jayavrinda Vrindavanam
11:30 am - 11:40 am	**BREAK**	
11:40 am - 1:40 pm	Mathematics for Machine Learning Linear Algebra- Linear Transforms and representations (Matrix), Vector Spaces, Linear Independence, Basis and Rank, Affine Spaces, Eigenvalues and Eigenvectors, Matrix Decompositions, Eigen decomposition and Principal Components, Singular Value Decomposition	Dr. Srimanta Maji, Assistant Professor, Department of Mathematics.
1:40 pm - 2:30 pm	**LUNCH BREAK**	
2:30 pm to 4:30 pm	The mathematical framework of the Markov Model	Dr. Rangaraj

Day -2

18/07/2024-(Thursday)

Time	Program Topic	Resource Person
9:30 am - 11:30 am	Probability Theory and Statistics (Probability distribution, Hypothesis Testing, Confidence Intervals)	Dr. Durbadal Chattaraj
11:30 am - 11:40 am	**BREAK**	
11:40 am - 1:40 pm	Mathematics for Machine Learning: Normed Spaces and Geometry Concepts: Norms, Inner Products, Orthogonality, Orthonormal Basis, Inner Product of Functions, Orthogonal Projections Optimization and Vector Calculus: Gradients of Functions and Matrices, Optimization: Optimization Using Gradient Descent, Constrained Optimization and Lagrange Multipliers, Convex Optimization, Brief Introduction to graphs and usage in ML	Dr. Vegi Fernando A
1:40 pm - 2:30 pm	**LUNCH BREAK**	
2:30 pm - 4:30 pm	ML libraries- Data Preprocessing, Analysis, and Visualization for Time Series Data.	Prof. Subhash Mondal

Day -3

19/07/2024-(THURSDAY)

Time	Program Topic	Resource Person
9:30 am - 11:30 am	Introduction to Classification and Regression, Polynomial Regression model	Dr. Mude Nagarjuna Naik
11:30 am to 11:40 am	**BREAK**	
11:40 am - 1:40 pm	Model Building- Multiple Linear Regression, Logistic Regression, Maximum Likelihood Estimation	Dr. Shreyas Rajendra Hole
1:40 pm - 2:30 pm	**LUNCH BREAK**	
2:30 pm - 4:30 pm	Support Vector Machines- different types of kernels	Dr. Vinutha N

Day -4

22/07/2024-

Time	Program Topic	Resource Person
9:30 am - 11:30 am	Model Evaluation and Techniques	Dr. Sumit Kumar Yadav
11:30 am - 11:40 am	**BREAK**	
11:40 am – 1:40 pm	Probability Concepts (Bayes Theorem, Conditional Probability) & Naive Bayes Classifier	Prof. Pavithra A
1:40 pm - 2:30 pm	**LUNCH BREAK**	
2:30 pm - 3:30 pm	Decision Tree Classifier- Entropy, Gini, Information Gain	Prof. Mitha Guru
3:30 pm - 4:30 pm	K Means and Hierarchical Clustering and mathematical distance metrics	Prof. Rakshita

Day -5

23/07/2024-(Tuesday)

Time	Program Topic	Resource Person
9:30 am – 11:30 am	Role of machine learning in IoT	Prof. Pradeep Kumar
11:30 am to 11:40	**BREAK**	
11:40 am – 1:40 pm	Role of Machine Learning in Natural Language Processing	Prof. Uday Bhaskar
1:40 pm-2:30 pm	**LUNCH BREAK**	
2:30 pm to 4:30 pm	Role of Machine learning in cyber security	Prof. Sharanabasappa Tadkal

Report for Day 1

Day 1: 16/07/2024 **Time: 9.30 am to 4:30 pm**

The first day of the program, 17/07/2024 commenced at 9:15 am with an Inauguration Talk for the value-added course on "Machine Learning Models and its Mathematical Framework" by Dr. Jayavrinda Vrindavanam, Professor and Chairperson of the Department of Computer Science and Engineering, AI/ML.

Session 1: 9:30 am to 11:30 am

Resource Person:
Dr Jayavrinda Vrindavanam

Topic: Introduction to Machine Learning and current trends and prospects

Students were introduced to the concepts of machine learning. The session covered an overview of various techniques and models within the field of machine Learning. Students gained insights into the diverse applications of these models and their potential for future advancements.

Session 2: 11:40 am to 1:40 pm

Resource Person:
Prof. Dr. Srimanta Maji

Topic: Mathematics for Machine Learning

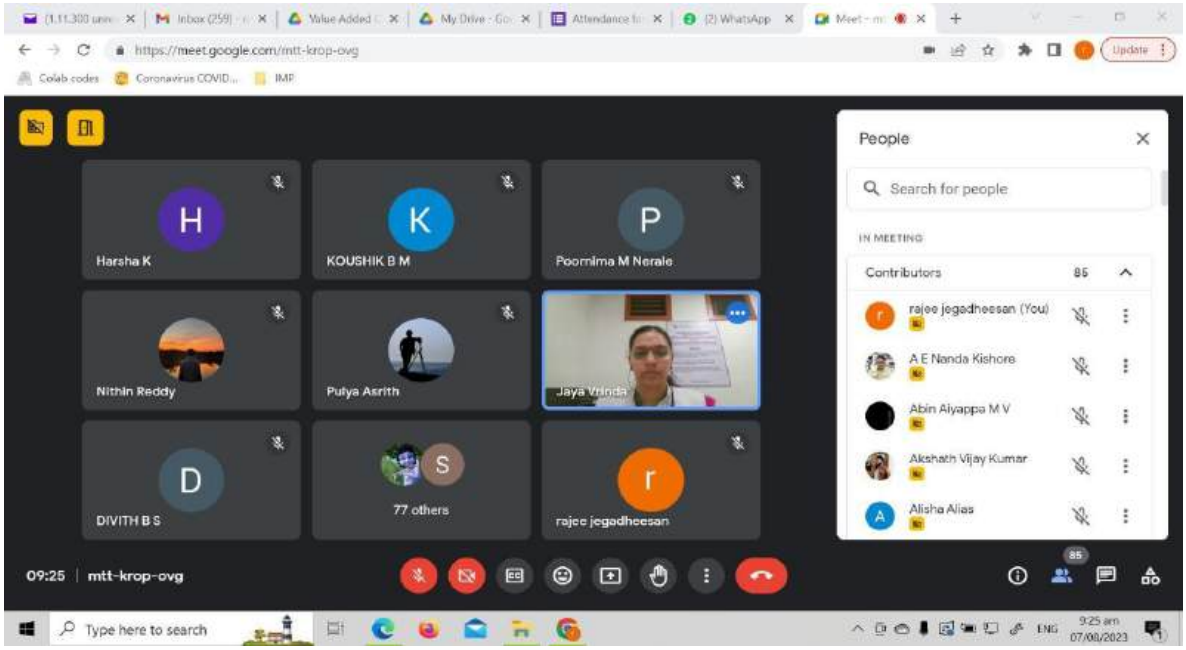
In this session, students learn the essential mathematical concepts that supports the implementation of machine learning models. The lecture covered topics such as transformations, matrices, vector spaces, bases, affine hyper planes etc.

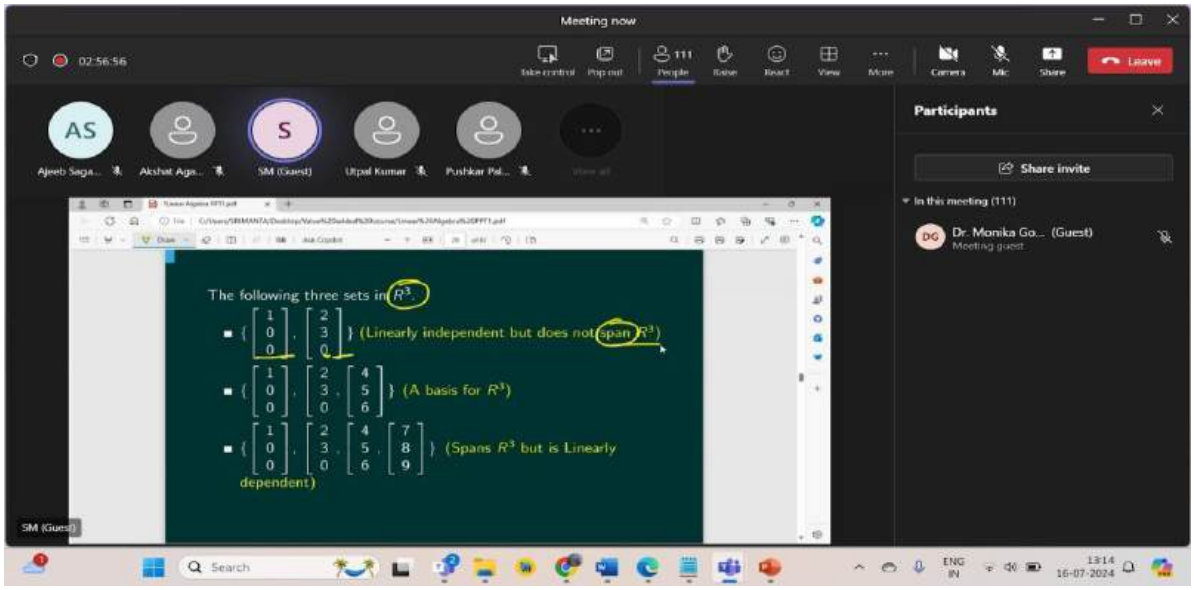
Session 3: 2:40 pm to 4:30 pm

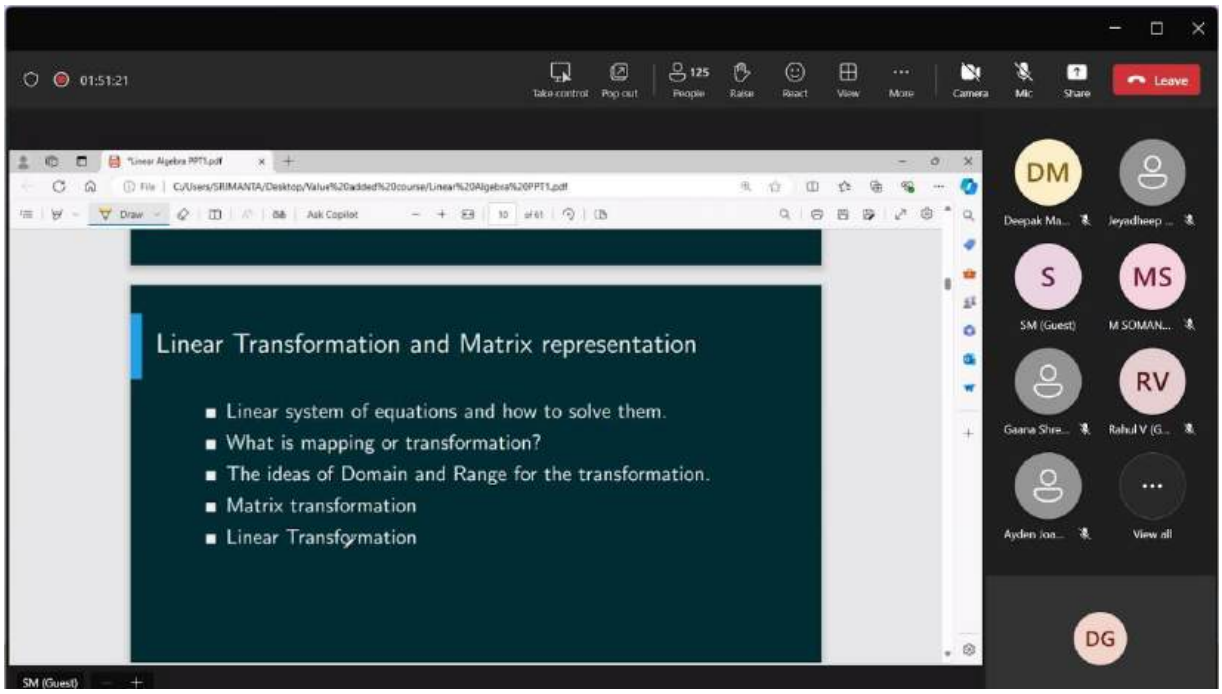
Resource Person:
Dr. Rangaraj

The Mathematical framework of Markov Model

The Markov Model lecture, explained the core definitions and principles behind this concept. The session featured illustrative examples of hidden Markov models, showcasing their relevance in practical scenarios. Students learned about the applications of Markov models in real-life situations, including their role in word tagging related to parts of speech.







Day 1 – Sessions

Report for Day 2

Day 2: 18/07/2024 **Time: 9.30 am to 4:30 pm**

Session 1: 9:30 am to 11:30 am

Resource Person:
Dr Durbadal Chattaraj

Topic: Probability Theory and Statistics

This session helped the students to broaden their understanding in probability notations essential for testing statistical information. The lecture covered difference between discrete and continuous probability distributions. Furthermore, students gained familiarity with different probability distribution types, including binomial, Gaussian, and normal distributions.

Session 2: 11:40 am to 1:40 pm

Resource Person:
Dr. Vegi Fernando A

Topic: Mathematics for Machine Learning

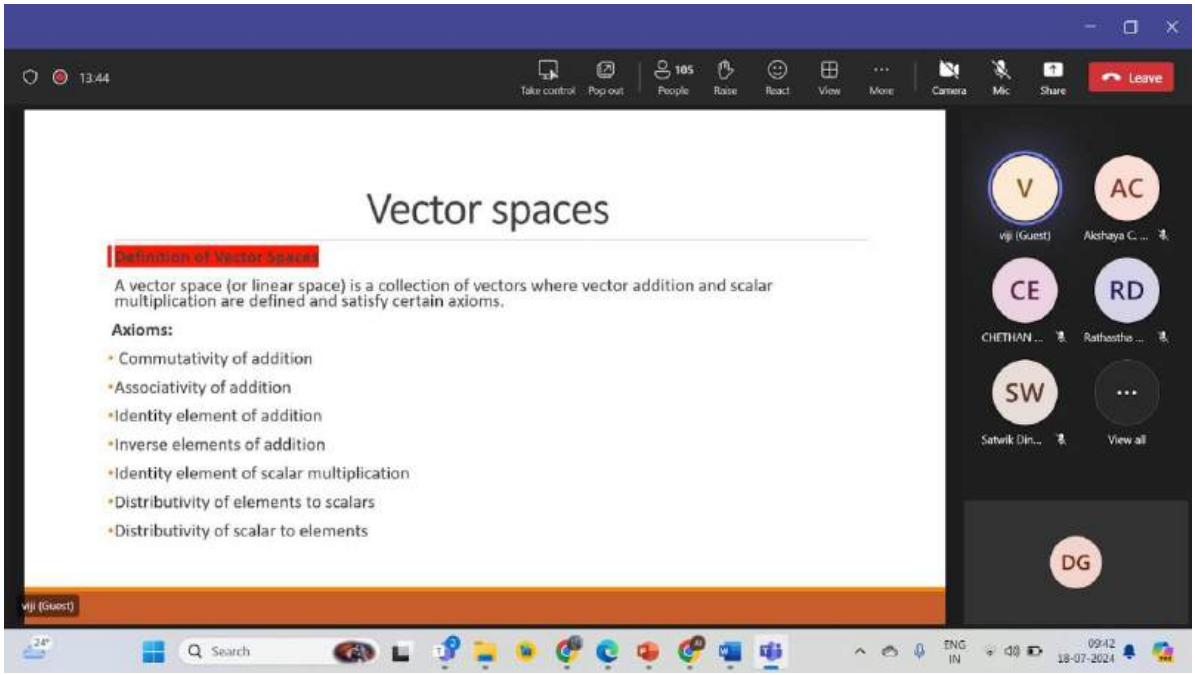
Students learnt the concept of matrix decomposition utilizing eigenvalues and eigenvectors. Moreover, the lecture explained the interdependence of eigenvectors and transpose decomposition. Additionally, the lecture explained the essential optimization principles and the fundamental concept of function derivatives.

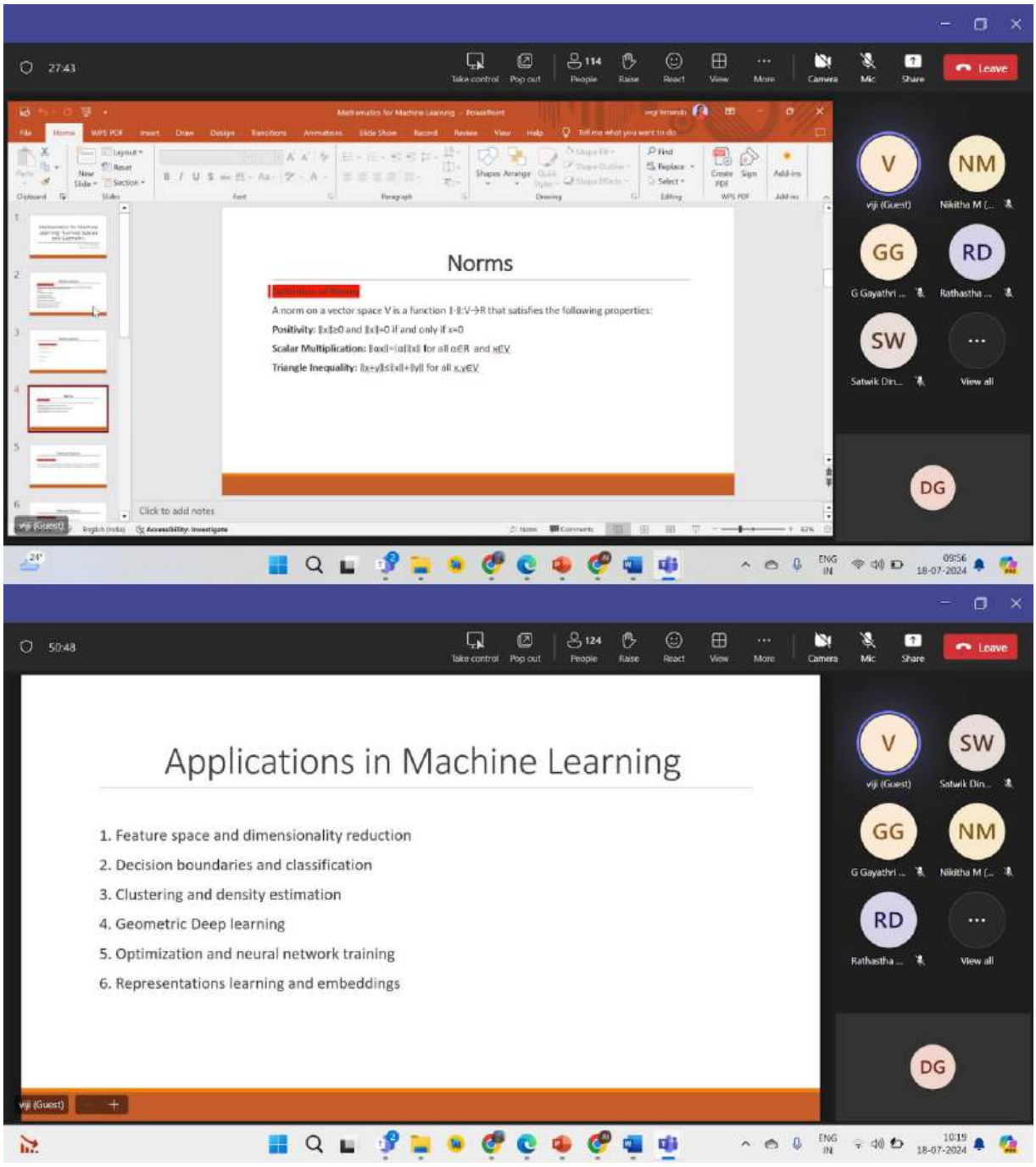
Session 3: 2:40 pm to 4:30 pm

Resource Person:
Prof. Prof. Subhash Mondal

Topic: ML Libraries for Data Pre-processing and Analysis

The lecture used a time series dataset to explain the concept of time series data. It comprised a practical, hands-on session focused on the pandas library. This session covered various tasks, including reading data from CSV files, strategies to identify and handle missing values and columns, removal of irrelevant data points, substitution of unreliable values with medians, conversion of strings into date time values, and performing descriptive statistical analyses.





Day 2- Sessions

Report for Day 3

Day 3: 19/07/2024 **Time: 9.30 am to 4:30 pm**

Session 1: 9:30 am to 11:30 am

Resource Person:
Dr. Mude Nagarjuna Naik

Topic: Introduction to Classification and Regression, Polynomial Regression model

In this lecture students learnt the definitions and objectives of regression analysis Also the session featured a hands-on demonstration of normalization of data values and polynomial regression implementation using the Python programming language.

Session 2: 11:40 am to 1:40 pm

Resource Person: Dr. Shreyas Rajendra Hole

Topic: Model Building- Multiple Linear Regression,Logistic Regression, Maximum Likelihood Estimation

In the first half of the session, the students learnt various parameters in multiple linear regression, and about independent and dependent variables. The lecture also explained the formulae associated with multiple regression, further explained through examples.

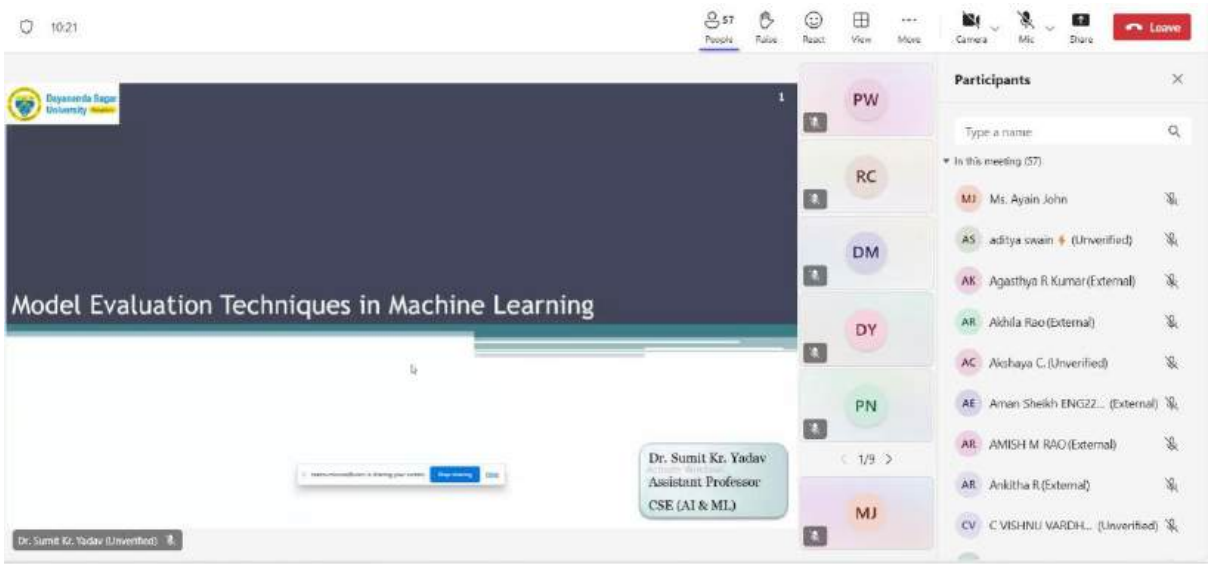
In the second half of the session, students were introduced to various aspects of logistic regression and its applications in classification and predictive analytics. The session had a demonstration of logistic regression's functionality, using a heart disease detection scenario as an example. Later in the lecture, students were introduced to the concept of maximum likelihood estimation and its connection to logistic regression.

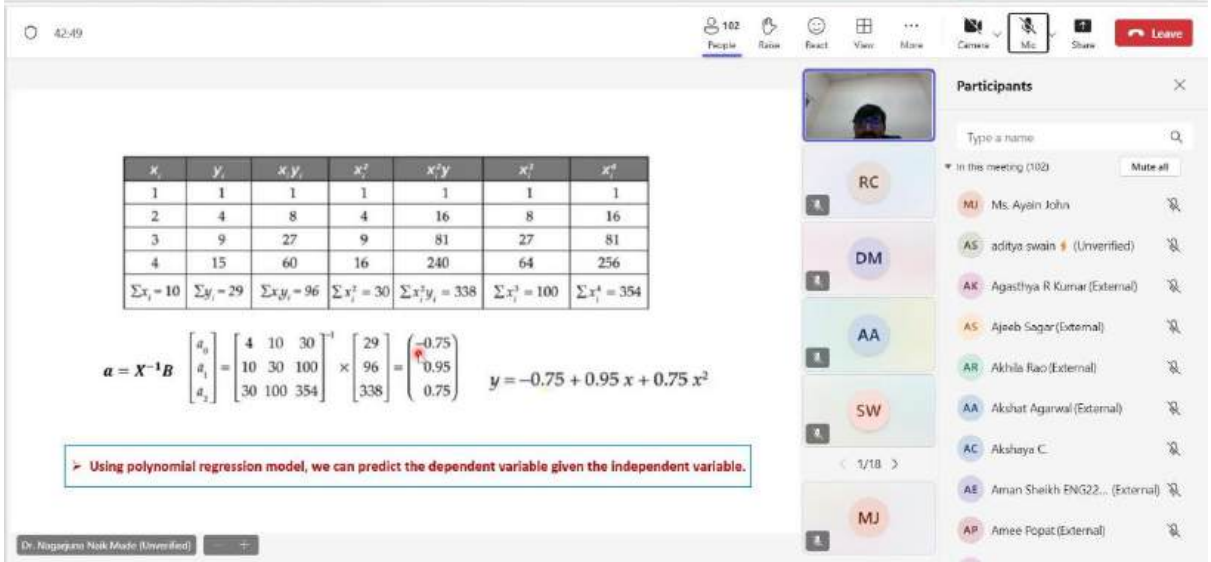
Session 3: 2:40 pm to 4:30 pm

Resource Person:
Dr. Vinutha N

Topic: Support Vector Machines and different types of kernels

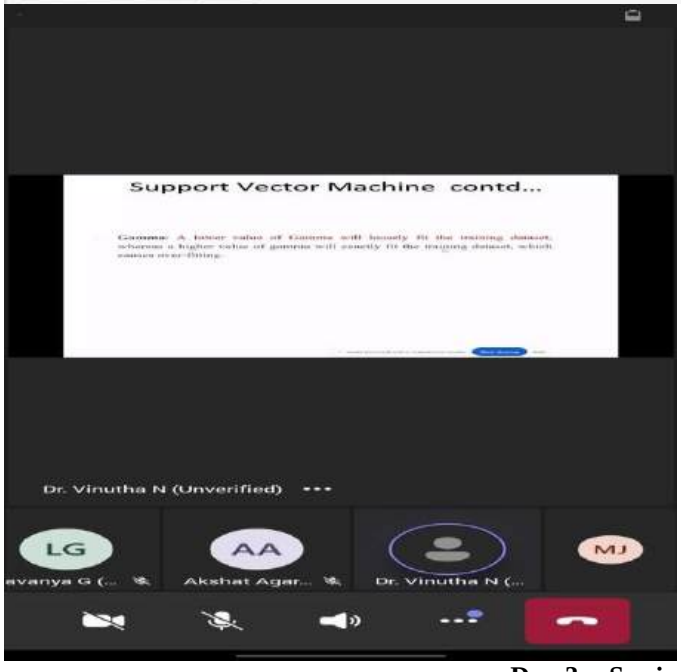
In this lecture, students learned about support vector machines (SVM) and their usage in both regression and classification tasks. The lecture covered the concept of hyperplanes. Students also gained insight into hyperparameters and their role in fine-tuning the SVM model for optimal performance.





x_i	y_i	$x_i y_i$	x_i^2	$x_i^2 y$	x_i^3	x_i^4
1	1	1	1	1	1	1
2	4	8	4	16	8	16
3	9	27	9	81	27	81
4	15	60	16	240	64	256
$\Sigma x_i = 10$	$\Sigma y_i = 29$	$\Sigma x_i y_i = 96$	$\Sigma x_i^2 = 30$	$\Sigma x_i^2 y_i = 338$	$\Sigma x_i^3 = 100$	$\Sigma x_i^4 = 354$

$$a = X^{-1}B \quad \begin{bmatrix} a_0 \\ a_1 \\ a_2 \end{bmatrix} = \begin{bmatrix} 4 & 10 & 30 \\ 10 & 30 & 100 \\ 30 & 100 & 354 \end{bmatrix}^{-1} \times \begin{bmatrix} 29 \\ 96 \\ 338 \end{bmatrix} = \begin{bmatrix} -0.75 \\ 0.95 \\ 0.75 \end{bmatrix} \qquad y = -0.75 + 0.95\,x + 0.75\,x^2$$



Day 3 – Sessions

Report for Day 4

Day 3: 22/07/2024 **Time: 9.30 am to 4:30 pm**

Session 1: 9:30 am to 11:30 am

Resource Person: Dr. Sumit Kumar Yadav

Topic: Model Evaluation and Techniques

Students learned about the core concepts underlying model evaluation and its importance in assessing the performance of machine learning models. Additionally, they delved into various evaluation techniques such as accuracy, precision, recall, F1-score, and confusion matrix to comprehensively analyze and interpret model results.

Session 2: 11:40 am to 1:40 pm

Resource Person:
Prof. Pavithra A

Topic: Probability Concepts (Bayes Theorem, Conditional Probability) & Naive Bayes Classifier

The lecture covered essential concepts such as probability, Bayes' theorem, and conditional probability, accompanied by practical examples. A practical demonstration showcased the algorithm's functionality in text classification and email spam filtering using Python. Students were exposed to real-world applications of the Naïve Bayes algorithm, and numerical problems to broaden their understanding.

Session 3: 2:40 pm to 4:30 pm

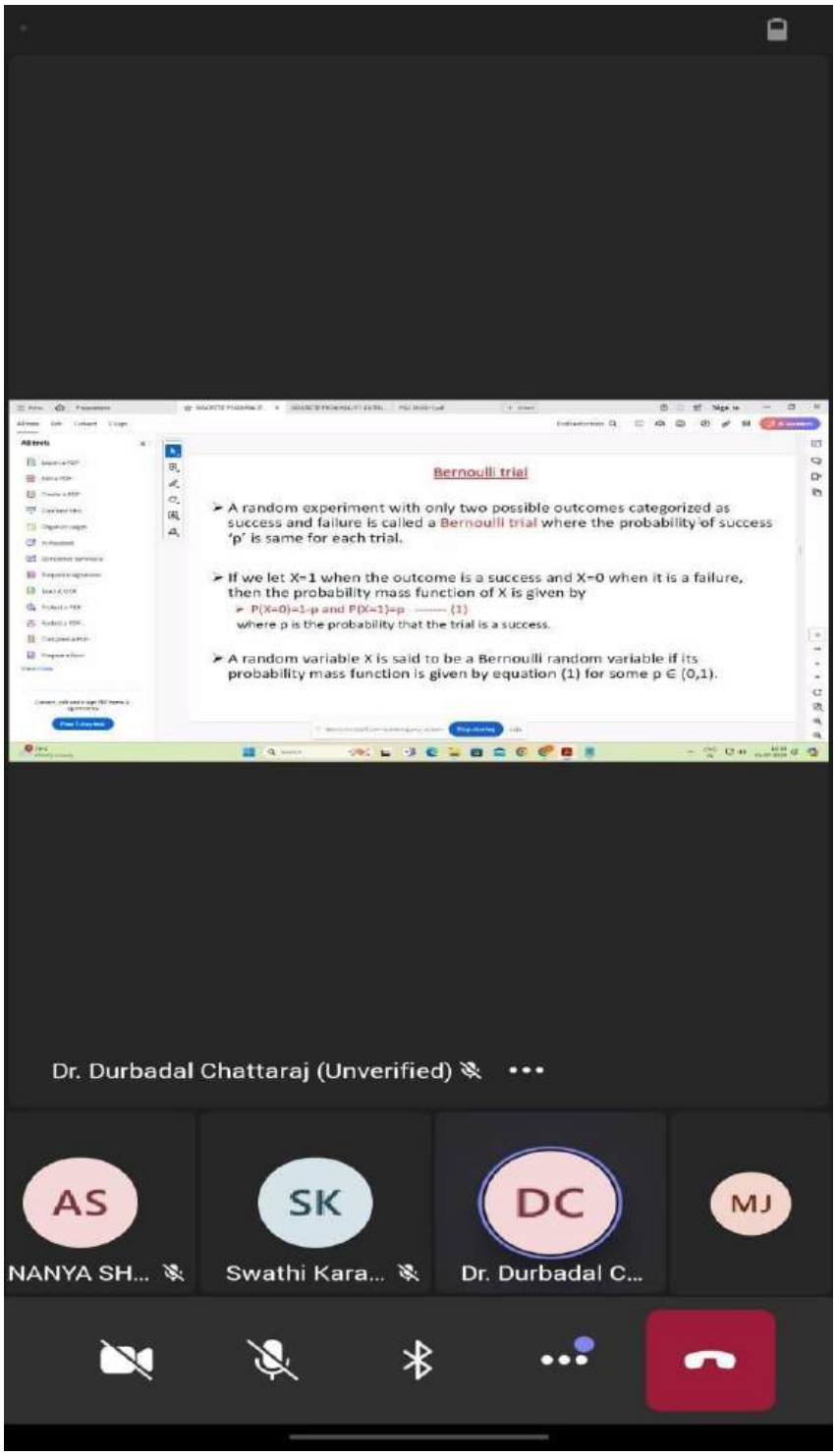
Resource Person:
Prof. Mitha Guru

Prof. Rakshita

Topic: Decision Tree Classifier, K Means Clustering and Hierarchical Clustering

In the first half of the session, students gained an understanding of the concepts behind decision trees and their efficacy in facilitating decision-making. The lecture covered essential topics including information gain, entropy, and the Gini index. The session also included a demonstration of implementing a decision tree model using Python.

The second half of the session focused on fundamental principles of unsupervised learning algorithms, specifically on k-means clustering and hierarchical clustering. Students were given explanations on how to address mathematical problems using these concepts.



Day 4 – Sessions

Report for Day 5

Day 3**: 23/07/2024** Time**: 9.30 am to 4:30 pm**

Session 1**: 9:30 am to 11:30 am**

Resource Person:
Prof Pradeep Kumar

Topic**: Role of Machine Learning in IoT**

The lecture provided an introduction to the Internet of Things (IoT) and its key concepts. Different types of Artificial Intelligence (AI), strong and weak AI were discussed. Practical insights into the implementation of machine learning on IoT data were shared,

Session 2**: 11:40 am to 1:40 pm**

Resource Person:
Prof. Prof. Uday Bhaskar

Topic**: Role of Machine Learning in NLP**

This lecture gave an overview of the stages in Natural Language Processing (NLP), along with insights into addressing ambiguity challenges within NLP. It also provided a beginner's hands-on guide to NLP, highlighting the significance of each stage and the role of the Natural Language Toolkit (NLTK).

Session 3**: 2:40 pm to 4:30 pm**

Resource Person:
Prof Sharanabasappa Tadkal

Topic**: Role of Machine Learning in Cyber Security**

The lecture provided a comprehensive overview of cybersecurity, including its definition and fundamental principles. The discussion also focused on realm of cyber threats and attacks, benefits, applications, challenges, and limitations of employing machine learning within the cybersecurity field.

11:23

Pop out | 54 People | Raise | React | View | More | Camera | Mic | Share | Leave



Introduction to IoT and Machine Learning

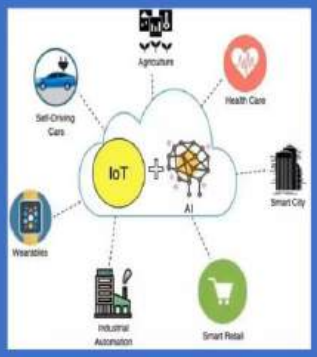
The Internet of Things (IoT) refers to the interconnected network of devices, vehicles, and other objects equipped with sensors, software, and network connectivity to collect and exchange data. Machine learning (ML) is a powerful tool for analyzing and extracting valuable insights from this vast amount of IoT data.

AS aditya swai... | DN Dr. Nagarju... | SR Sai Nikhil R... | PK PRADEEP KUM... | Lakshya U ... | SA Swettha M ... | DM Deepak Ma... | View all | DG

PRADEEP KUMAR K (Guest)

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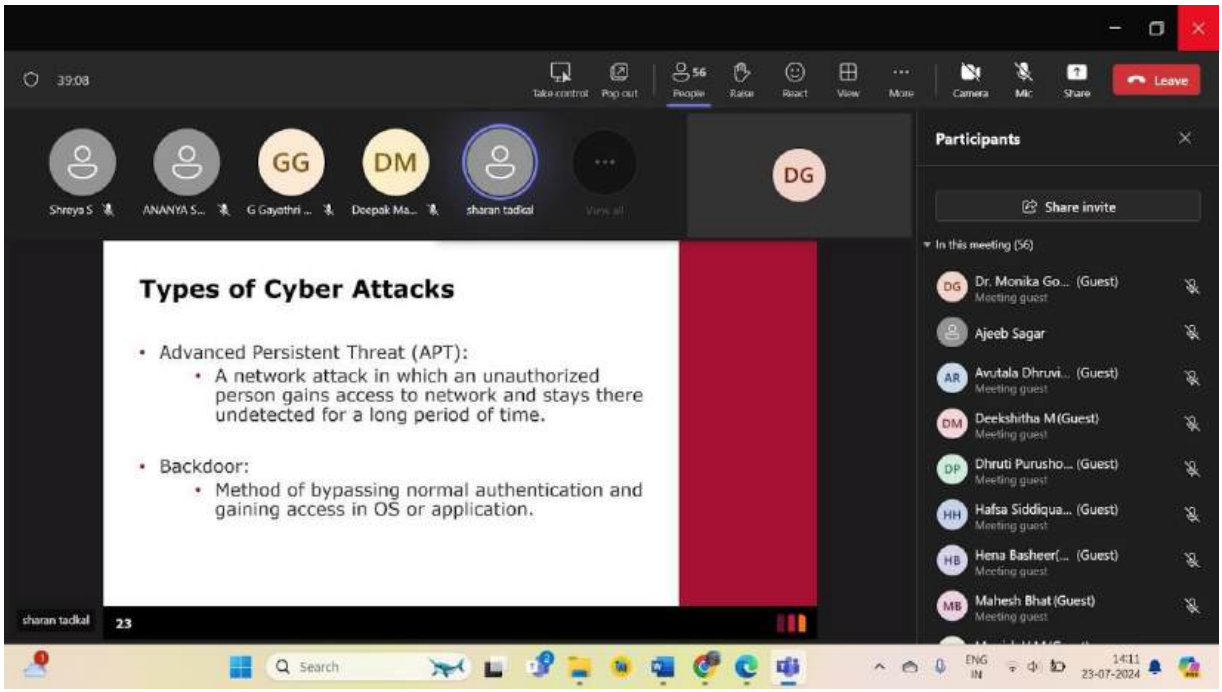


Challenges in Using Machine Learning in IoT

- **Latency** – In many IoT applications, real-time or near-real-time decision-making is crucial. However, machine learning algorithms can require significant computation time, which can introduce latency in decision-making. This can be a critical issue in applications such as autonomous vehicles or industrial automation where rapid response times are essential.
- **Interoperability** – Machine learning algorithms may be challenging to integrate into IoT devices and systems since they are frequently created using various technologies and standards. The development of precise machine-learning models can be challenging due to interoperability constraints, which can include problems with data format, data access, and network connectivity.
- **Energy Efficiency** – IoT devices often have limited power and processing resources, which can make it difficult to run complex machine learning algorithms. The energy required to transmit data to a central processing unit or the cloud for analysis can also be a significant challenge. Energy-efficient machine learning algorithms are necessary to overcome these challenges and ensure that IoT devices can operate within their power and processing limitations.

AS aditya swai... | SA Swettha M ... | SR Sai Nikhil R... | PK PRADEEP KUM... | PK Pratik Kala... | DM Deepak Ma... | chandana s... | View all | DG

PRADEEP KUMAR K (Guest)



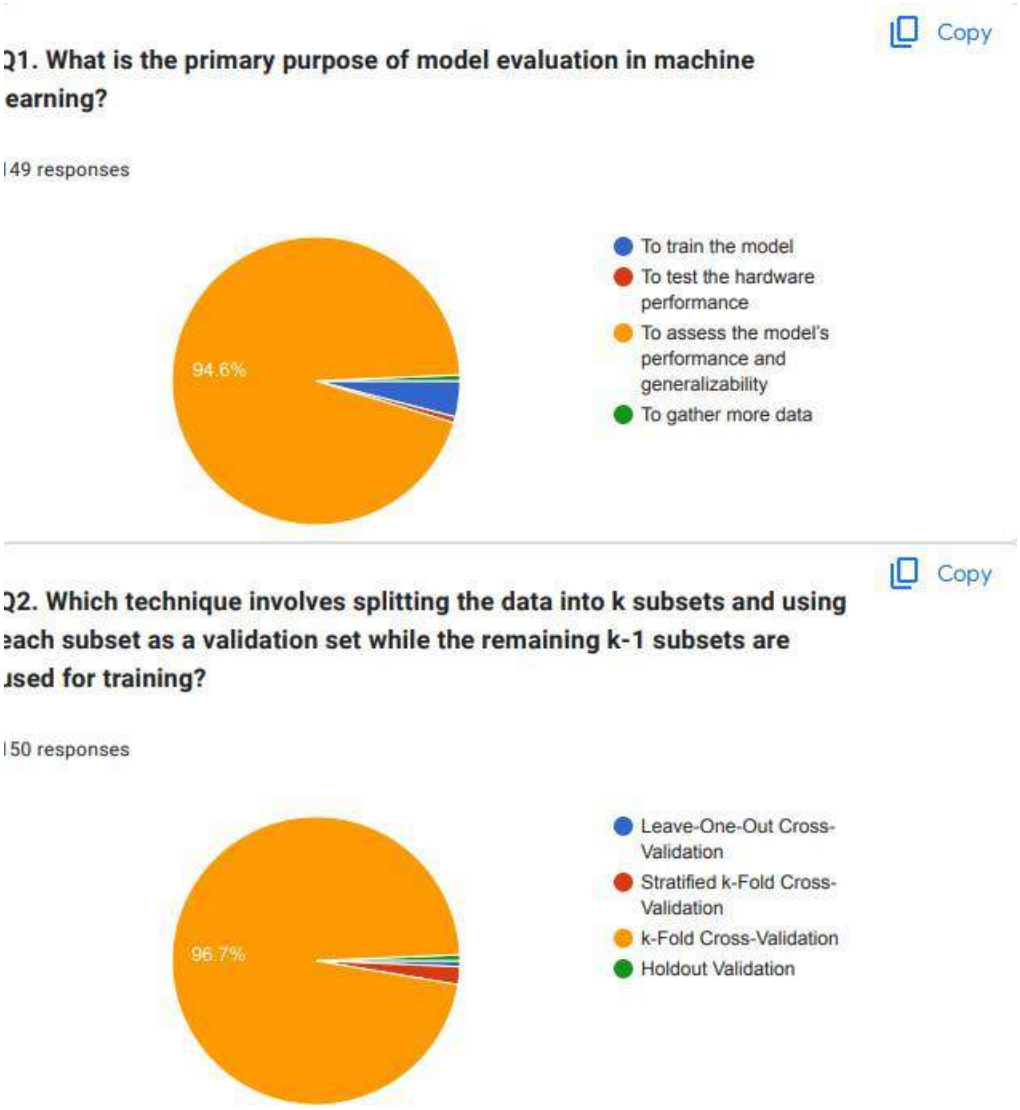
Day 5 – Sessions

Assessment:

The assessment for the value-added course on "Machine Learning Models and Its Mathematical Framework" was conducted through daily quizzes using Google forms at the end of each day. These quizzes were designed to gauge the students' comprehension of the material covered. The responses received from the quizzes indicated a satisfactory level of performance among the students.







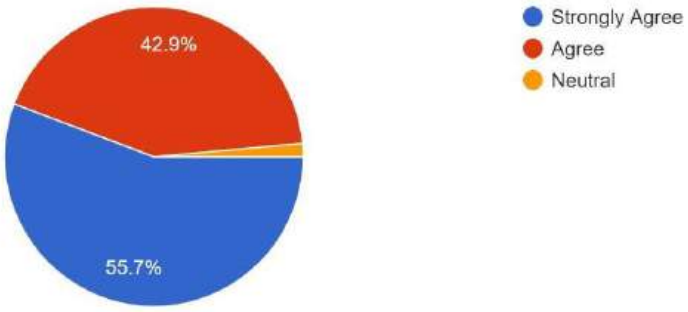
Sample Quiz insights

Feedback:

Feedback for the value-added course on "Machine Learning Models and its Mathematical Framework" was gathered from students using Google Forms at the end of each day, Students were encouraged to provide their insights on various aspects of the course, including content, overall satisfaction, effectiveness of the sessions in achieving its stated objectives and presentation by resource person. Overall, the feedback reflects that the objectives of the course were met, and participants gained valuable insights into the mathematical foundations of machine learning models.

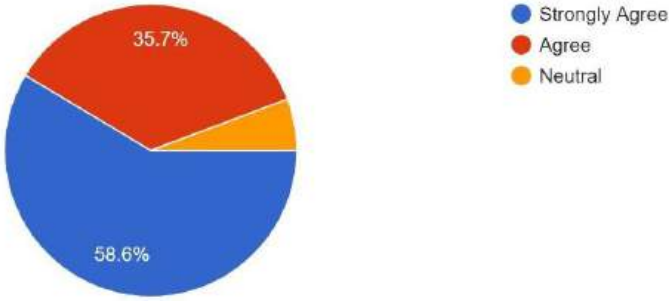
The sessions content [Learning objectives and outcomes were clear]

70 responses



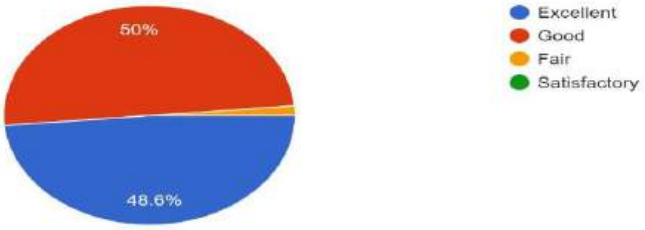
The sessions content [Lecture content was organized and well planned]

70 responses



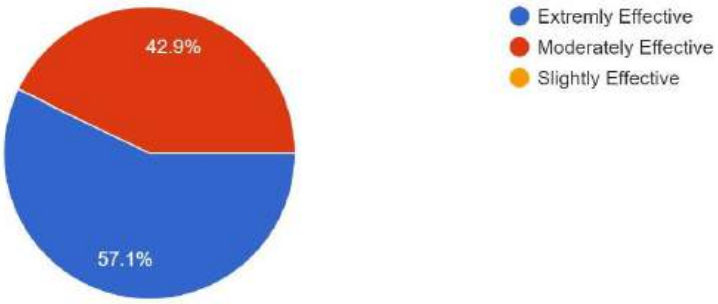
What is your level of satisfaction about the sessions?

70 responses



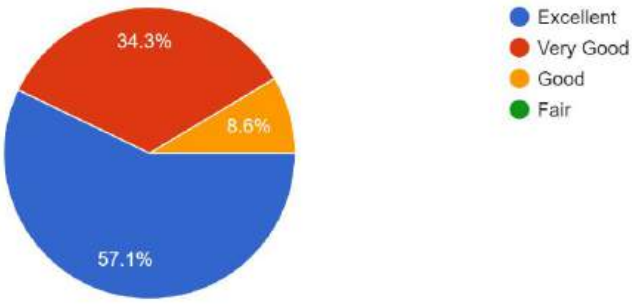
Rate the effectiveness of the sessions in achieving its stated objectives

70 responses



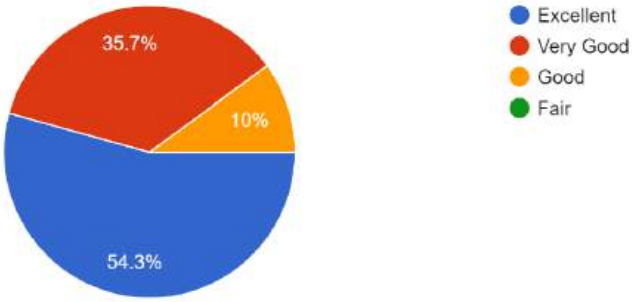
Presentation by resource person(s) [Planning and organization of lecture]

70 responses



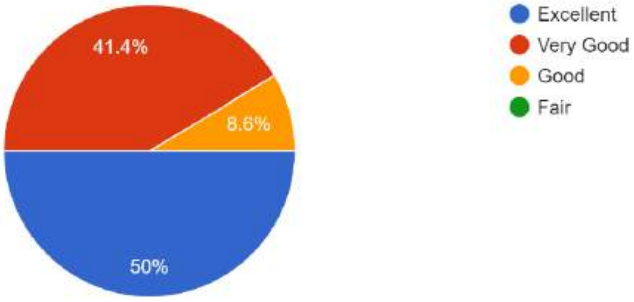
Presentation by resource person(s) [Sequencing of topics]

70 responses



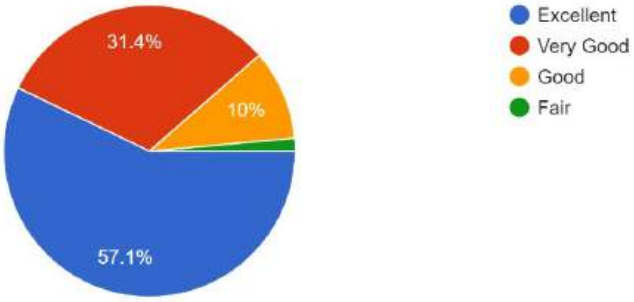
Presentation by resource person(s) [Communication(Delivery, pronunciation,)]

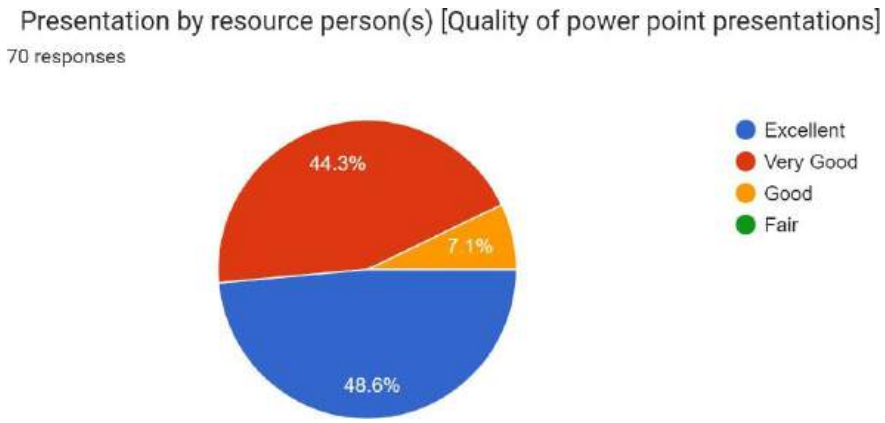
70 responses



Presentation by resource person(s) [Interactions by resource person]

70 responses





Feedback sample

Conclusion:

In summary, the value-added course on "Machine Learning Models and Its Mathematical Framework" provided students with an opportunity to learn the fundamental principles and mathematical intricacies that form the basis of various machine learning algorithms and how these concepts are applied in real-world scenarios, particularly in the realms of IoT, Cybersecurity, and NLP.

DAYANANDA SAGAR UNIVERSITY

School of Engineering

Department of Computer Science & Engineering (AI&ML)

Report

For

Five-Day Value Added Course

On

"Machine Learning Models and its Mathematical framework"

Date**: 07/08/2023 to 11/08/2023** Time: **9:30 am to 04:30 pm**

Mode of Conduction: Online: **Google Meet Platform**

Target Audience: **5th Sem Students - Dept of CSE(AI&ML)**

Faculty Coordinators

Prof Mary Jasmine, Assistant Professor, Department of CSE(AI/ML)
Prof Ayain John, Assistant professor, Department of CSE(AI/ML)
Prof. J.Rajalekshmi Assistant Professor, Department of CSE(AI/ML)

Course Objectives:

- Enumerate the various types of machine learning
- Describe the mathematical foundations of machine learning
- Apply python libraries to analyze, preprocess and visualize datasets for machine learning tasks
- Examine the concepts of supervised and unsupervised machine learning
- Analyze the applications of machine learning in Cybersecurity, IoT and Natural Language Processing

Syllabus:

Module 1: Foundations of Machine Learning and Mathematics- Linear Transforms and representations(Matrix), Vector Spaces, Linear Independence, Eigenvalues and Eigenvectors, Normed Spaces and Geometry Concepts, Optimization and Vector Calculus

Module 2: Probability and Statistics, Machine Learning Libraries– Probability Distribution Functions, Hypothesis Testing, Confidence Intervals, ML Libraries- NumPy, Pandas, Matplotlib, Seaborn to analyze, preprocess, and visualize datasets for machine learning tasks.

Module 3: Classification and Regression Techniques – Multiple Linear regression, Logistic regression, Polynomial regression, Decision Tree Classifier, Naive Bayes Classifier.

Module 4: Dimensionality Reduction and Unsupervised Learning – Principal Component Analysis, K Means and Hierarchical Clustering.

Module 5: Applications of Machine Learning in Real-world Scenarios - Investigating the practical use of machine learning in cybersecurity, IoT, and NLP domains.

Course Outcomes:

- Analyze and differentiate the various types of machine learning algorithms.
- Apply mathematical concepts and principles relevant to machine learning, such as probability, statistics and linear algebra to model and solve real-world problems.
- Utilize Python libraries for data analysis, preprocessing, and visualization to effectively manipulate and understand datasets for machine learning applications.
- Design and implement classification and regression models, to make data-driven predictions and decisions.
- Evaluate the performance of machine learning models using techniques like hypothesis testing and confidence intervals, ensuring robustness and reliability of the results.
- Apply dimensionality reduction techniques like principal component analysis to enhance model efficiency and interpretability for complex datasets.

Day- wise Schedule

Day -1

07/08/2023-(MONDAY)

Time	Program Topic	Resource Person
9:15 am - 9:30 am	Inauguration Talk	Dr. Jayavrinda Vrindavanam
9:30 am - 11:30 am	Introduction to Machine Learning and current trends and prospects	Dr. Jayavrinda Vrindavanam
11:30 am - 11:40 am	**BREAK**	
11:40 am - 1:40pm	Mathematics for Machine Learning Linear Algebra- Linear Transforms and representations (Matrix) , Vector Spaces, Linear Independence, Basis and Rank, Affine Spaces, Eigen values and Eigenvectors, Matrix Decompositions, Eigen decomposition and Principle Components, Singular Value Decomposition	Prof. Sanjeev Kumar
1:40 pm - 2:30 pm	**LUNCH BREAK**	
2:30 pm to 4:30 pm	The mathematical framework of the Markov Model	Prof.Udaya Bhaskara

Day -2

08/08/2023-(TUESDAY)

Time	Program Topic	Resource Person
9:30 am - 11:30 am	Probability Theory and Statistics (Probability distribution, Hypothesis Testing, Confidence Intervals)	Dr. Durbadal Chattaraj
11:30 am - 11:40 am	**BREAK**	
11:40 am - 1:40 pm	Mathematics for Machine Learning: Normed Spaces and Geometry Concepts: Norms, Inner Products, Orthogonality, Orthonormal Basis, Inner Product of Functions, Orthogonal Projections	Prof Sanjeev Kumar

	Optimization and Vector Calculus: Gradients of functions and Matrices, Optimization: Optimization Using Gradient Descent, Constrained Optimization and Lagrange Multipliers, Convex Optimization, Brief Introduction to graphs and usage in ML	
1:40 pm - 2:30 pm	**LUNCH BREAK**	
2:30 pm - 4:30 pm	ML libraries- Data Preprocessing, Analysis, Visualization for Time Series Data.	Prof J.Rajalekshmi

Day -3

09/08/2023-(WEDNESDAY)

Time	Program Topic	Resource Person
9:30 am - 11:30 am	Introduction to Classification and Regression, Polynomial Regression model	Dr. Gousia Thahniyath
11:30 am to 11:40 am	**BREAK**	
11:40 am - 1:40 pm	Model Building- Multiple Linear Regression, Logistic Regression, Maximum Likelihood Estimation	Prof Mary Jasmine, Prof Sasikala. N
1:40 pm - 2:30 pm	**LUNCH BREAK**	
2:30 pm - 4:30 pm	Support Vector Machines- different types of kernels	Dr Vinutha

Day -4

10/08/2023-(THURSDAY)

Time	Program Topic	Resource Person
9:30 am - 11:30 am	Principal Component Analysis (Dimensionality reduction)	Dr Revathi V
11:30 am - 11:40 am	**BREAK**	
11:40 am – 1:40 pm	Probability Concepts(Bayes Theorem, Conditional Probability) & Naive Bayes Classifier	Dr Monika Goyal
1:40 pm - 2:30 pm	**LUNCH BREAK**	
2:30 pm - 3:30 pm	Decision Tree Classifier- Entropy, Gini, Information Gain	Dr. Savitha Hiremath
3:30 pm - 4:30 pm	K Means and Hierarchical Clustering and mathematical distance metrics	Prof Ayain John

Day -5

11/08/2023-(FRIDAY)

Time	Program Topic	Resource Person
9:30 am – 11:30 am	Role of machine learning in IoT	Prof. Pradeep Kumar
11:30 am to 11:40	**BREAK**	
11:40 am – 1:40 pm	Role of Machine Learning in Natural Language Processing	Prof. Aparajitha Sinha
1:40 pm-2:30 pm	**LUNCH BREAK**	
2:30 pm to 4:30 pm	Role of Machine learning in cyber security	Prof. Sharanabasappa Tadkal

Report for Day 1

Day 1: 07/08/2023 **Time: 9.30 am to 4:30 pm**

The first day of the program, 07/08/2023 commenced at 9:15 am with an Inauguration Talk for the value-added course on "Machine Learning Models and its Mathematical Framework" by Dr. Jayavrinda Vrindavanam, Professor and Chairperson of the Department of Computer Science and Engineering, AI/ML.

Session 1: 9:30 am to 11:30 am

Resource Person:
Dr Jayavrinda Vrindavanam

Topic: Introduction to Machine Learning and current trends and prospects

Students were introduced to the concepts of machine learning. The session covered an overview of various techniques and models within the field of machine Learning. Students gained insights into the diverse applications of these models and their potential for future advancements.

Session 2: 11:40 am to 1:40 pm

Resource Person:
Prof Sanjeev Kumar

Topic: Mathematics for Machine Learning

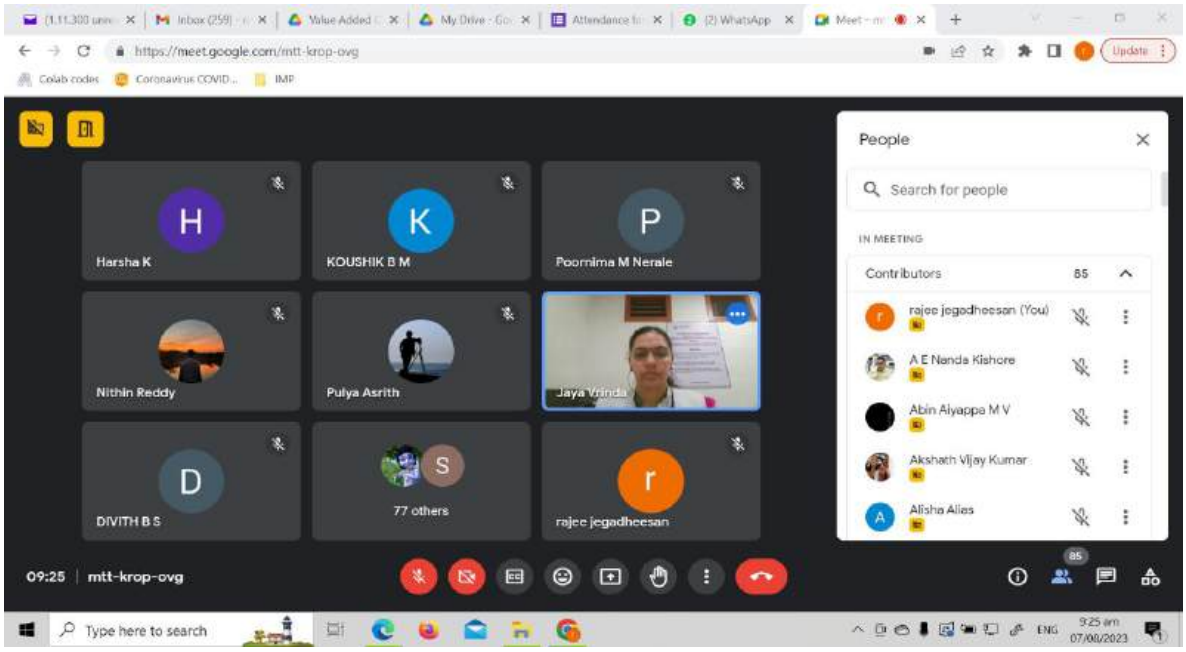
In this session, students learn the essential mathematical concepts that supports the implementation of machine learning models. The lecture covered topics such as transformations, matrices, vector spaces, bases, affine hyper planes etc.,

Session 3: 2:40 pm to 4:30 pm

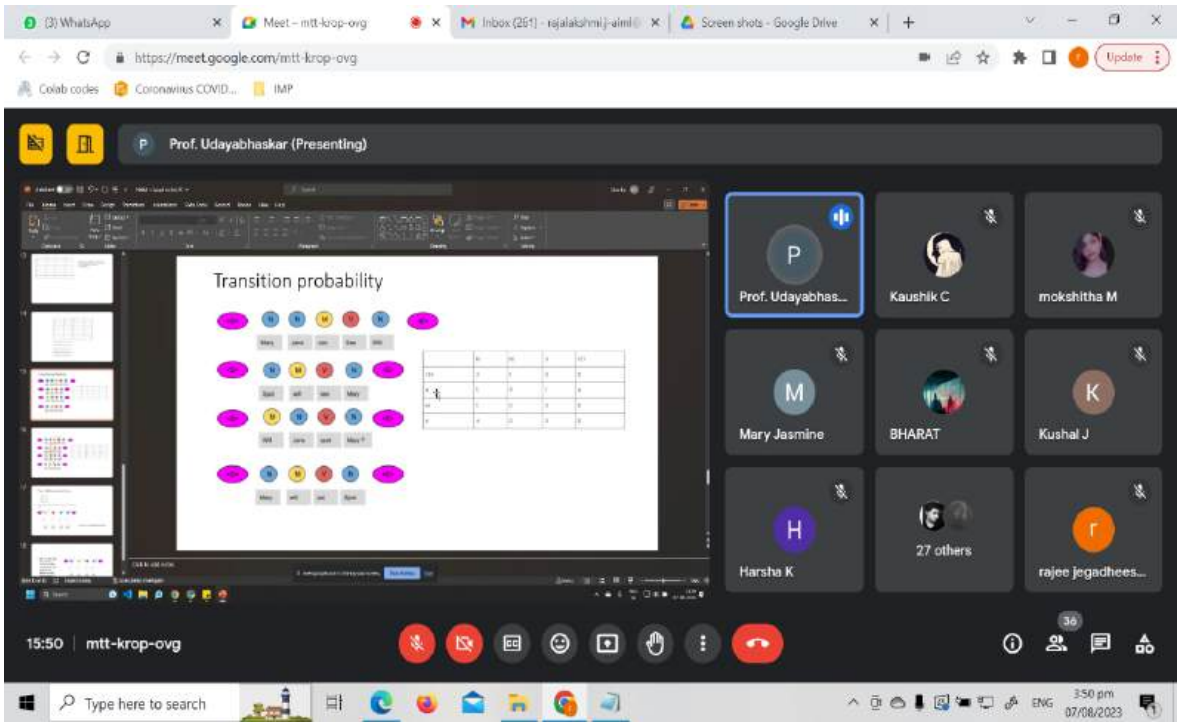
Resource Person:
Prof Udaya Bhaskara

The Mathematical framework of Markov Model

The Markov Model lecture, explained the core definitions and principles behind this concept. The session featured illustrative examples of hidden Markov models, showcasing their relevance in practical scenarios. Students learned about the applications of Markov models in real-life situations, including their role in word tagging related to parts of speech.



Day 1 – Session 1



Day 1-Session 3

Report for Day 2

Day 2: 08/08/2023 **Time: 9.30 am to 4:30 pm**

Session 1: 9:30 am to 11:30 am

Resource Person:
Dr Durbadal Chattaraj

Topic: Probability Theory and Statistics

This session helped the students to broaden their understanding in probability notations essential for testing statistical information. The lecture covered difference between discrete and continuous probability distributions. Furthermore, students gained familiarity with different probability distribution types, including binomial, Gaussian, and normal distributions.

Session 2: 11:40 am to 1:40 pm

Resource Person:
Prof Sanjeev Kumar

Topic: Mathematics for Machine Learning

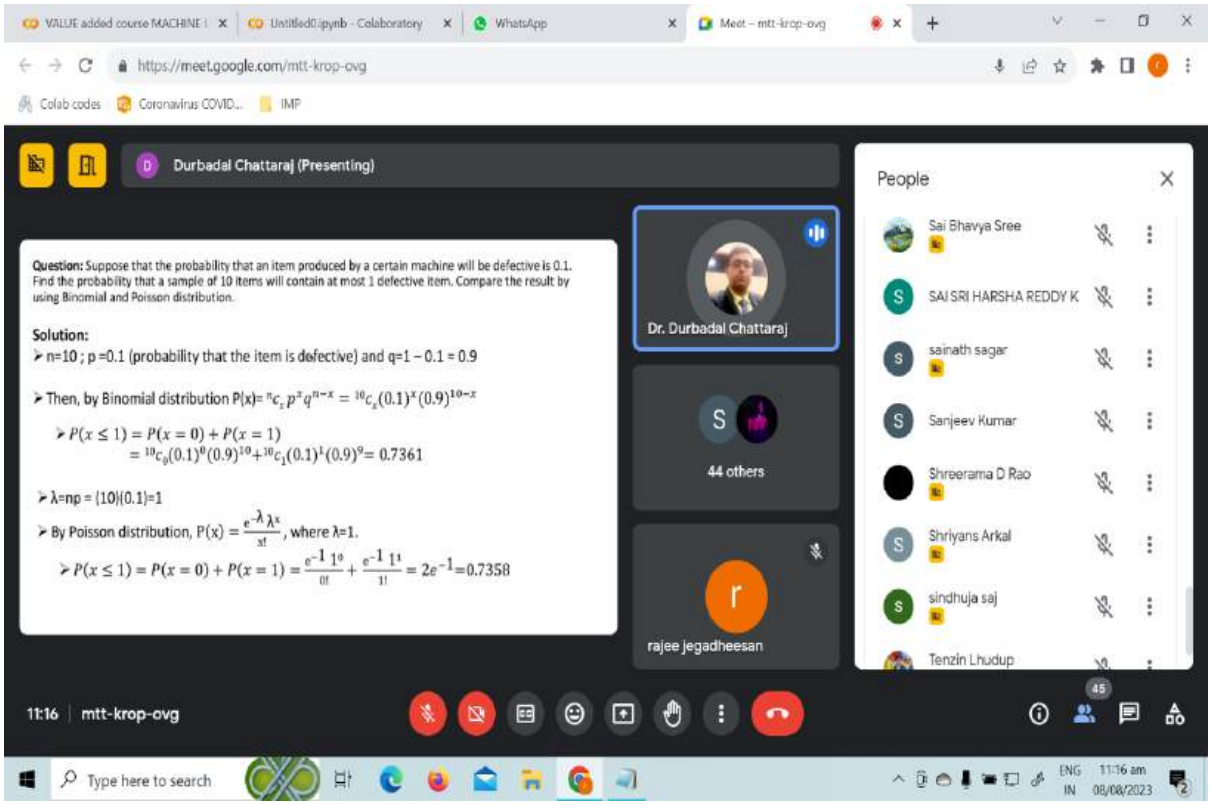
Students learnt the concept of matrix decomposition utilizing eigenvalues and eigenvectors. Moreover, the lecture explained the interdependence of eigenvectors and transpose decomposition. Additionally, the lecture explained the essential optimization principles and the fundamental concept of function derivatives.

Session 3: 2:40 pm to 4:30 pm

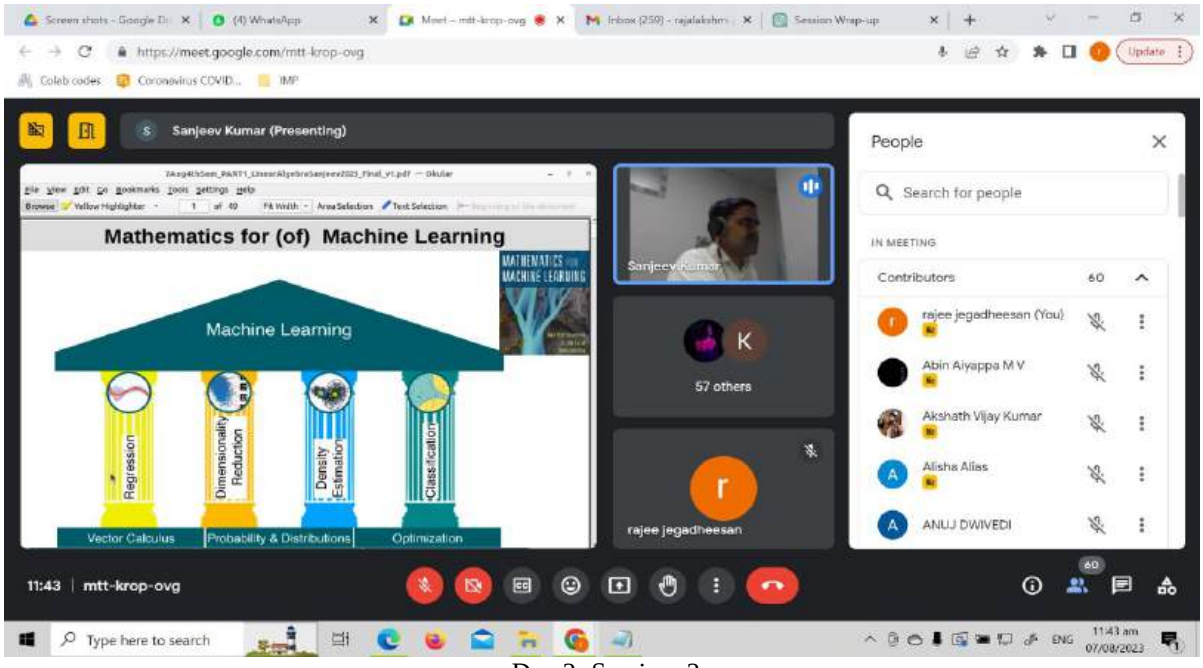
Resource Person:
Prof J.Rajalekshmi

Topic: ML Libraries for Data Pre-processing and Analysis

The lecture used a time series dataset to explain the concept of time series data. It comprised a practical, hands-on session focused on the pandas library. This session covered various tasks, including reading data from CSV files, strategies to identify and handle missing values and columns, removal of irrelevant data points, substitution of unreliable values with medians, conversion of strings into date time values, and performing descriptive statistical analyses.



Day 2- Session 1



Day 2- Session 2

Report for Day 3

Day 3: 09/08/2023 **Time: 9.30 am to 4:30 pm**

Session 1: 9:30 am to 11:30 am

Resource Person:
Dr. Gausia Thahniyath

Topic: Introduction to Polynomial Regression

In this lecture students learnt the definitions and objectives of regression analysis Also the session featured a hands-on demonstration of normalization of data values and polynomial regression implementation using the Python programming language

Session 2: 11:40 am to 1:40 pm

Resource Person:
Prof Mary Jasmine, Prof Sasikala

Topic: Multiple Linear Regression, Logistic Regression

In the first half of the session, the students learnt various parameters in multiple linear regression, and about independent and dependent variables. The lecture also explained the formulae associated with multiple regression, further explained through examples.

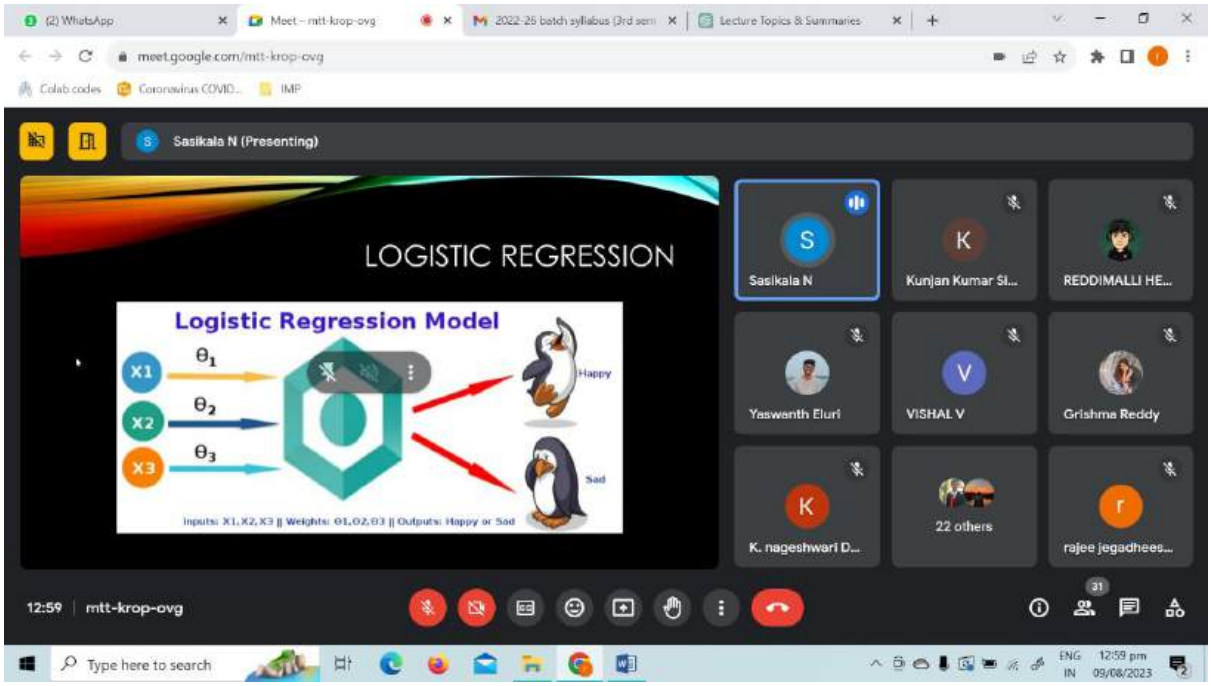
In the second half of the session, students were introduced to various aspects of logistic regression and its applications in classification and predictive analytics. The session had a demonstration of logistic regression's functionality, using a heart disease detection scenario as an example. Later in the lecture, students were introduced to the concept of maximum likelihood estimation and its connection to logistic regression.

Session 3: 2:40 pm to 4:30 pm

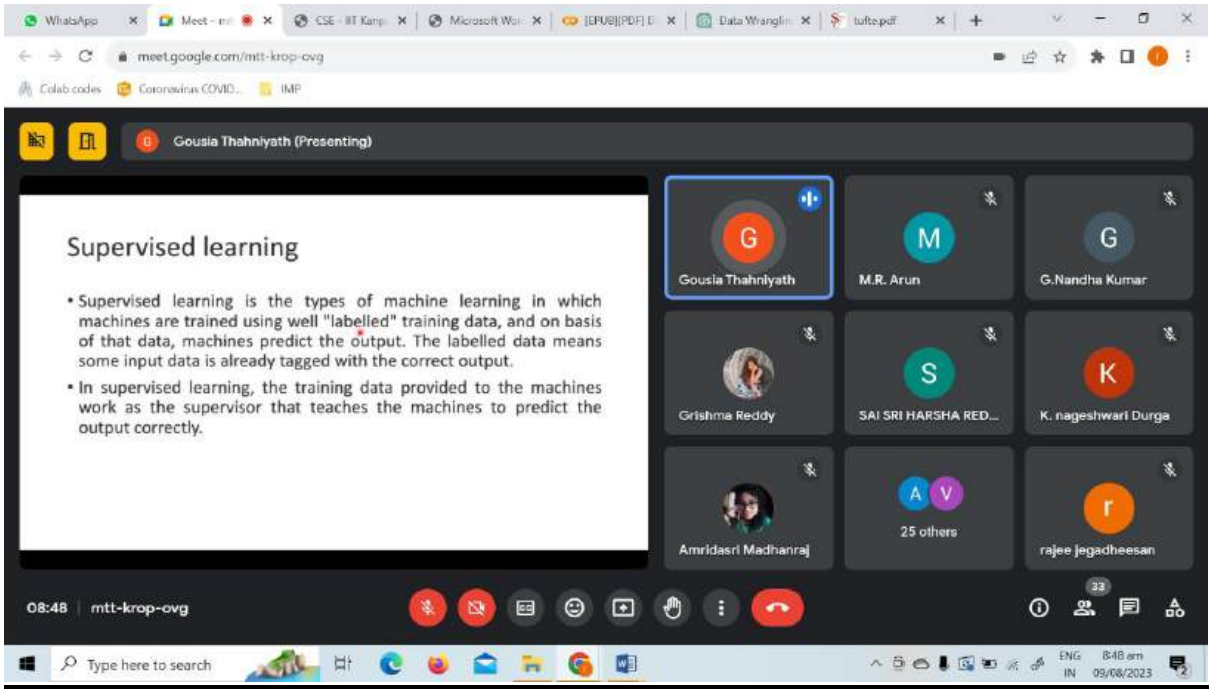
Resource Person:
Dr Vinutha N

Topic: Support Vector Machines and different types of kernels

In this lecture, students learned about support vector machines (SVM) and their usage in both regression and classification tasks. The lecture covered the concept of hyperplanes. Students also gained insight into hyper parameters and their role in fine-tuning the SVM model for optimal performance.



Day 3 – Session 2



Day 3 – Session 1

Report for Day 4

Day 3: 10/08/2023 **Time: 9.30 am to 4:30 pm**

Session 1: 9:30 am to 11:30 am

Resource Person:
Dr Revati V

Topic: Principal Component Analysis

Students learned about the core concept underlying Principal Component Analysis (PCA) and its purpose in both dimensionality reduction and data analysis. Additionally, they delved into concepts related to variance and covariance.

Session 2: 11:40 am to 1:40 pm

Resource Person:
Dr Monika Goyal

Topic: Naïve Bayes Classifier

The lecture covered essential concepts such as probability, Bayes' theorem, and conditional probability, accompanied by practical examples. A practical demonstration showcased the algorithm's functionality in text classification and email spam filtering using Python. Students were exposed to real-world applications of the Naïve Bayes algorithm, and numerical problems to broaden their understanding.

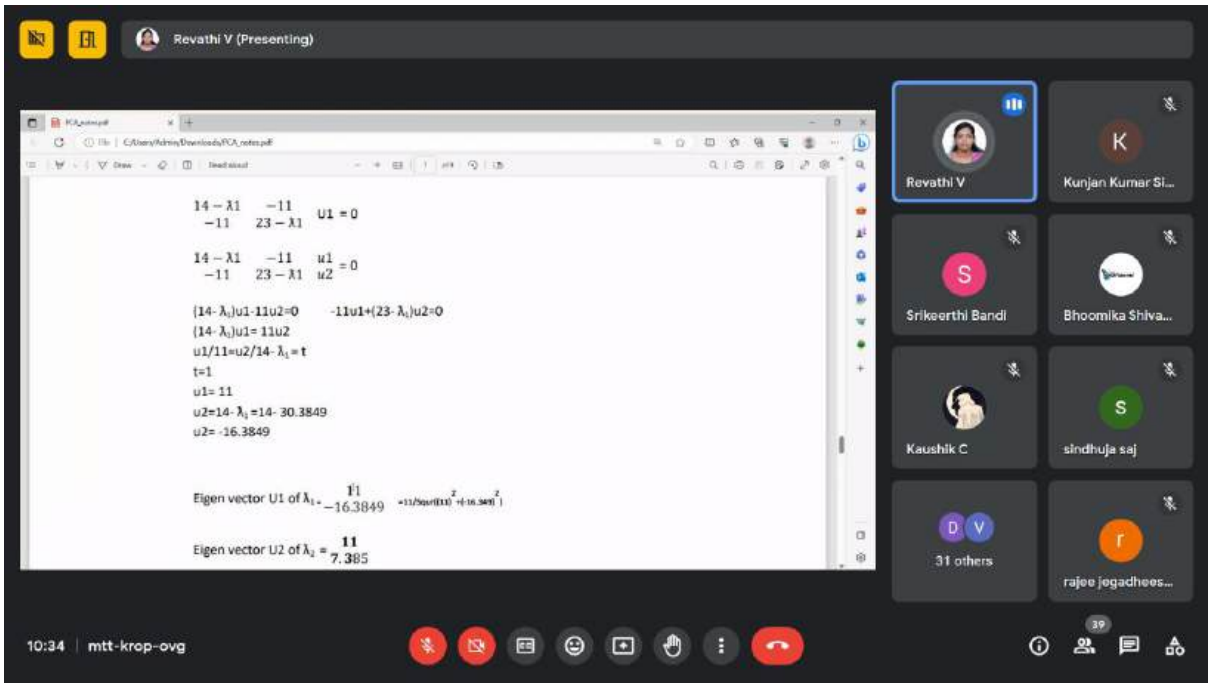
Session 3: 2:40 pm to 4:30 pm

Resource Person:
Dr Savitha Hiremath, Prof Ayain John

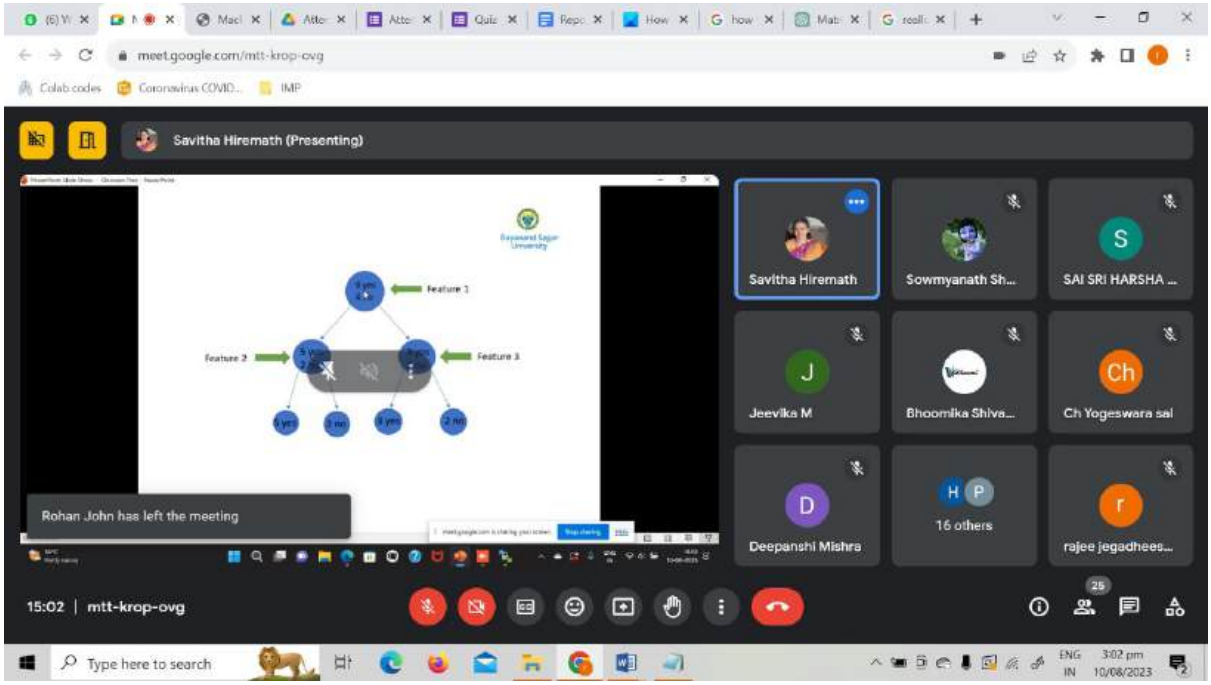
Topic: Decision Tree Classifier, K Means Clustering and Hierarchical Clustering

In the first half of the session, students gained an understanding of the concepts behind decision trees and their efficacy in facilitating decision-making. The lecture covered essential topics including information gain, entropy, and the Gini index. The session also included a demonstration of implementing a decision tree model using Python.

The second half of the session focused on fundamental principles of unsupervised learning algorithms, specifically on k-means clustering and hierarchical clustering. Students were given explanations on how to address mathematical problems using these concepts.



Day 4 -Session 1



Day 4 – Session3

Report for Day 5

Day 3**: 10/08/2023** Time**: 9.30 am to 4:30 pm**

Session 1**: 9:30 am to 11:30 am**

Resource Person:
Prof Pradeep Kumar

Topic**: Role of Machine Learning in IoT**

The lecture provided an introduction to the Internet of Things (IoT) and its key concepts. Different types of Artificial Intelligence (AI), strong and weak AI were discussed. Practical insights into the implementation of machine learning on IoT data were shared,

Session 2**: 11:40 am to 1:40 pm**

Resource Person:
Prof Aparajitha Sinha

Topic**: Role of Machine Learning in NLP**

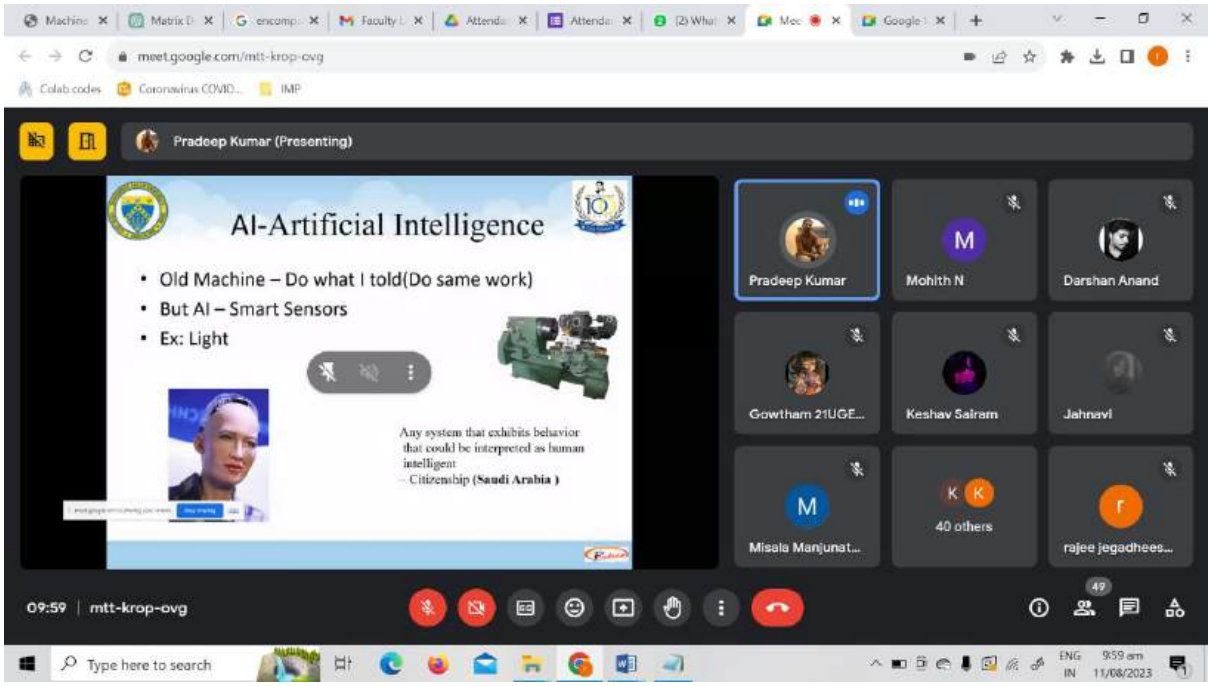
This lecture gave an overview of the stages in Natural Language Processing (NLP), along with insights into addressing ambiguity challenges within NLP. It also provided a beginner's hands-on guide to NLP, highlighting the significance of each stage and the role of the Natural Language Toolkit (NLTK).

Session 3**: 2:40 pm to 4:30 pm**

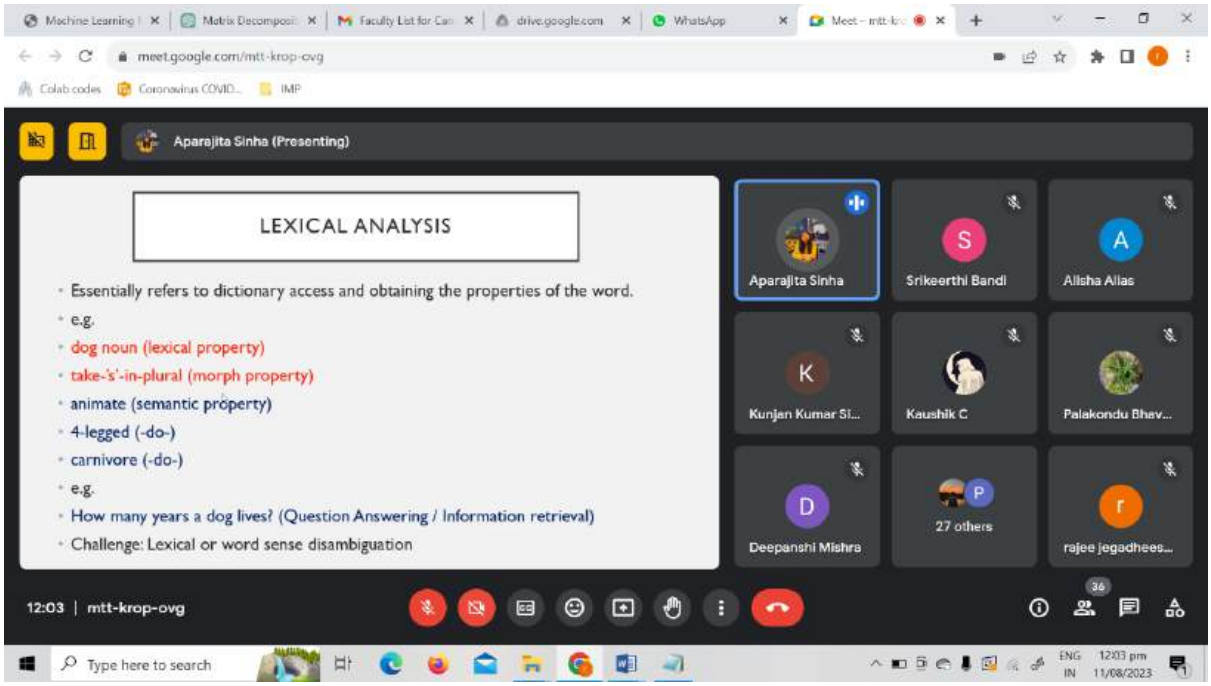
Resource Person:
Prof Sharanabasappa Tadkal

Topic**: Role of Machine Learning in Cyber Security**

The lecture provided a comprehensive overview of cybersecurity, including its definition and fundamental principles. The discussion also focused on realm of cyber threats and attacks, benefits, applications, challenges, and limitations of employing machine learning within the cybersecurity field.



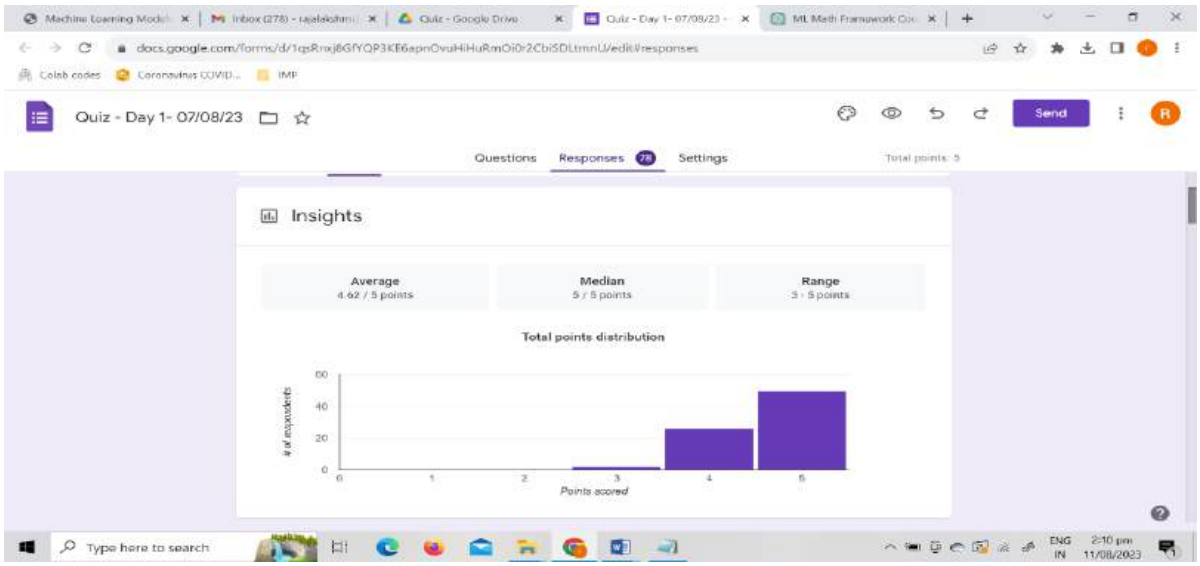
Day 5 – Session1



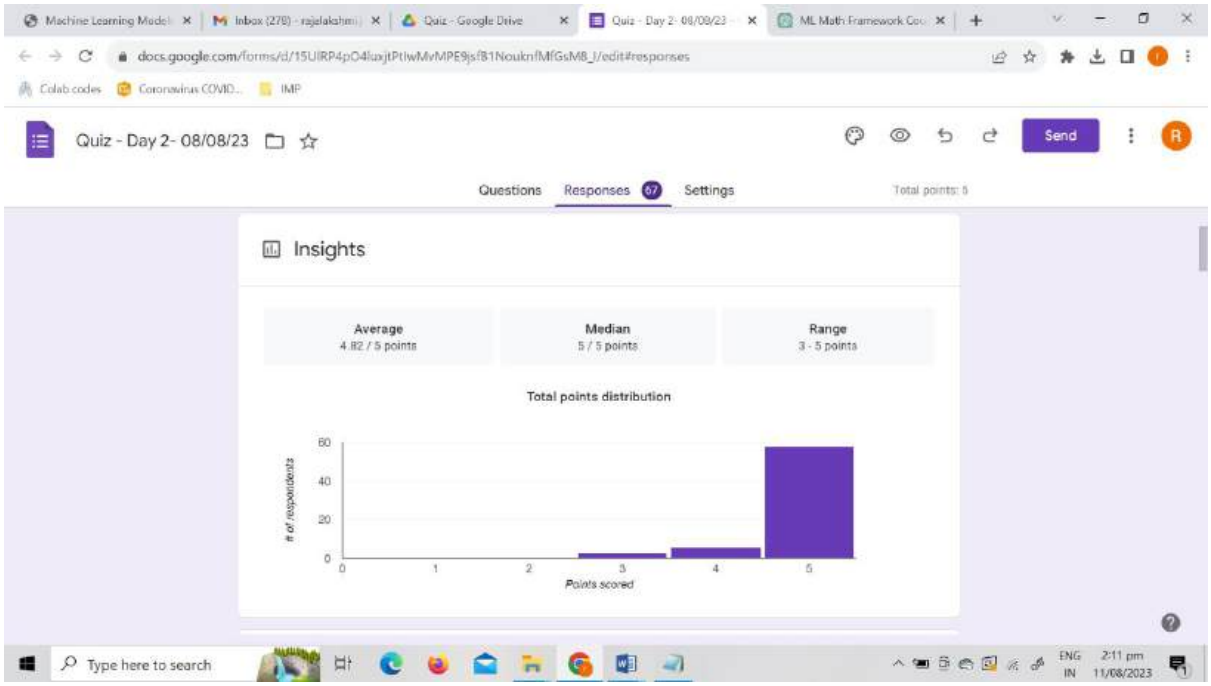
Day 5 - Session 2

Assessment:

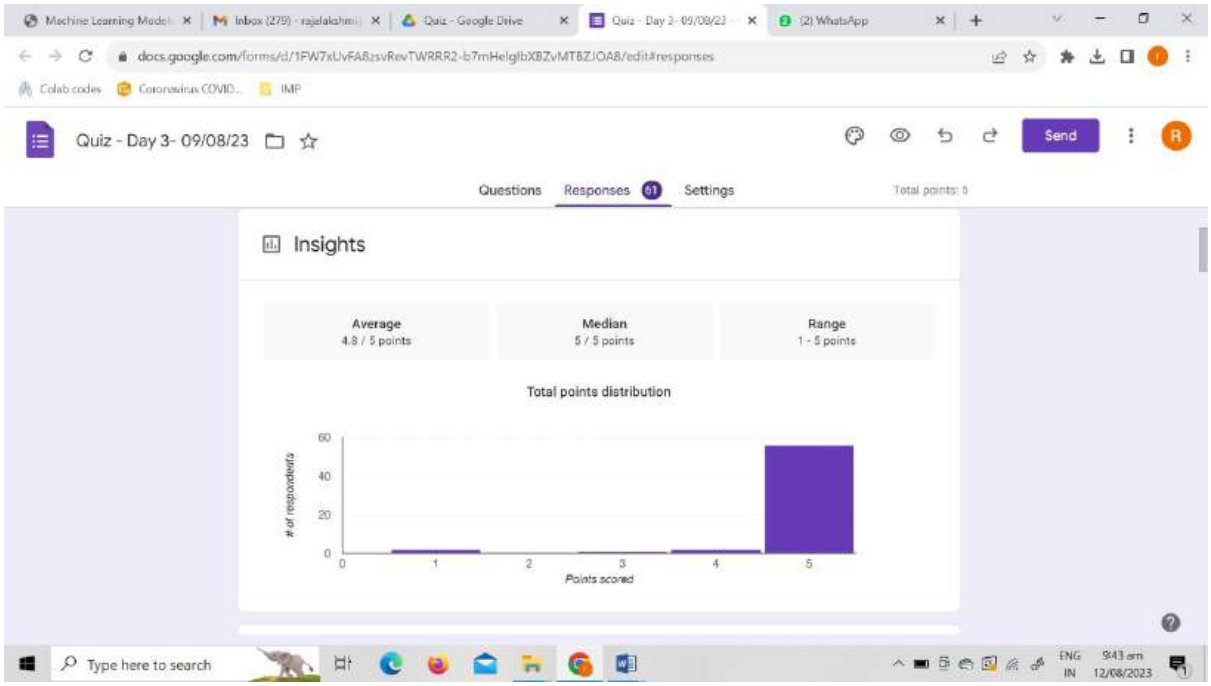
The assessment for the value-added course on "Machine Learning Models and Its Mathematical Framework" was conducted through daily quizzes using Google forms at the end of each day. These quizzes were designed to gauge the students' comprehension of the material covered. The responses received from the quizzes indicated a satisfactory level of performance among the students.



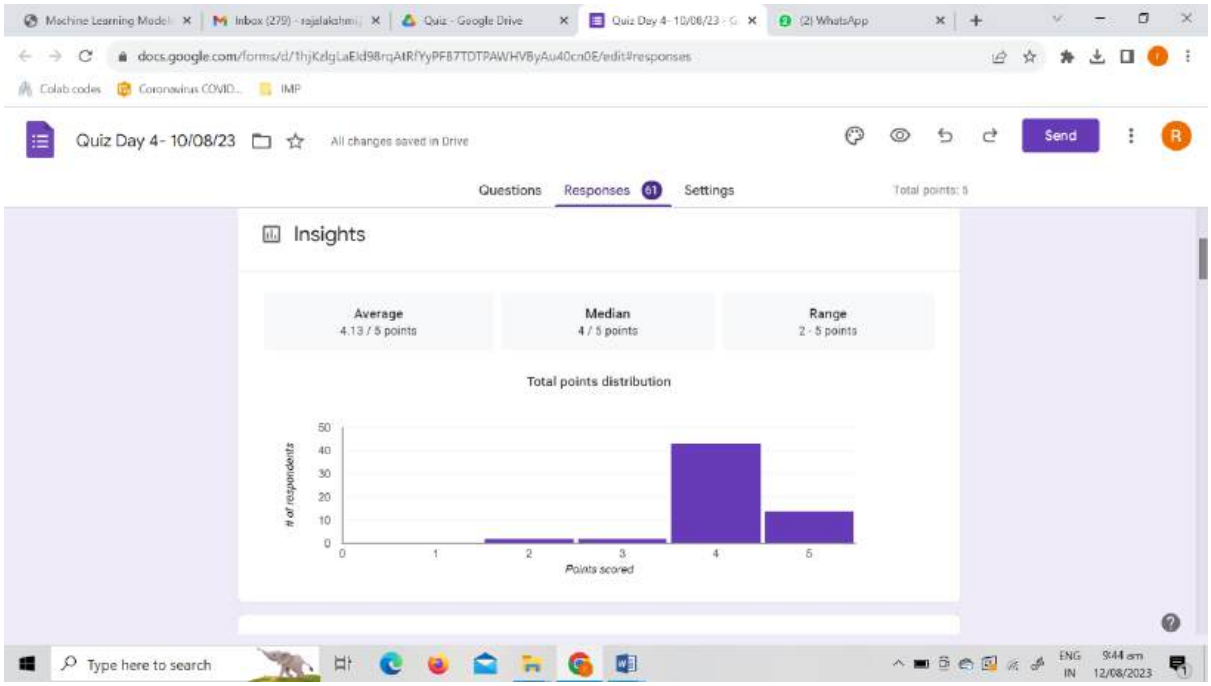
Day1 - Quiz



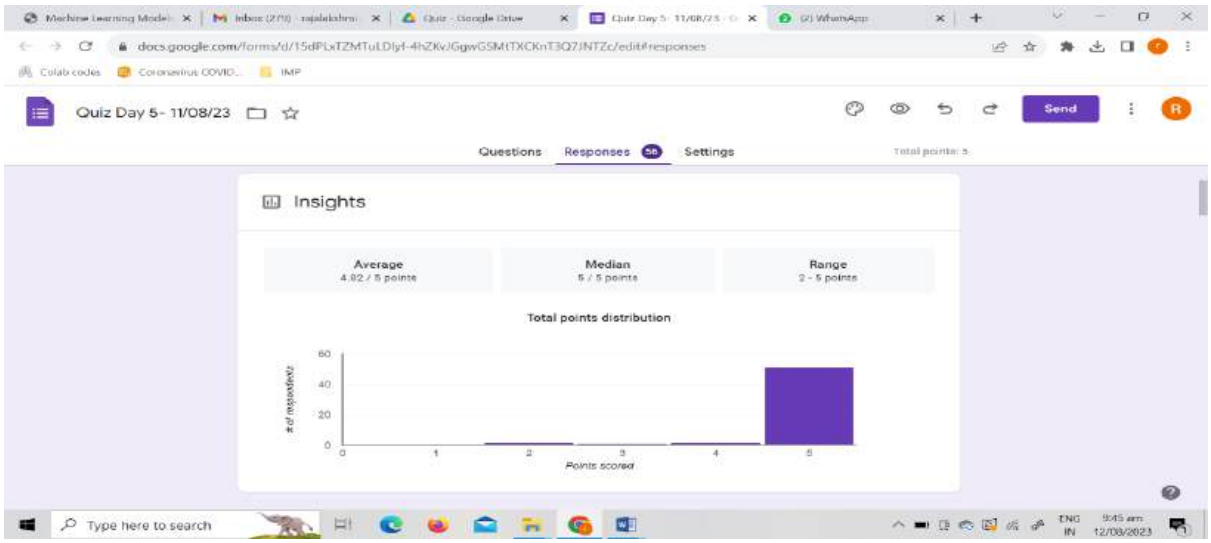
Day2 - Quiz



Day3 - Quiz



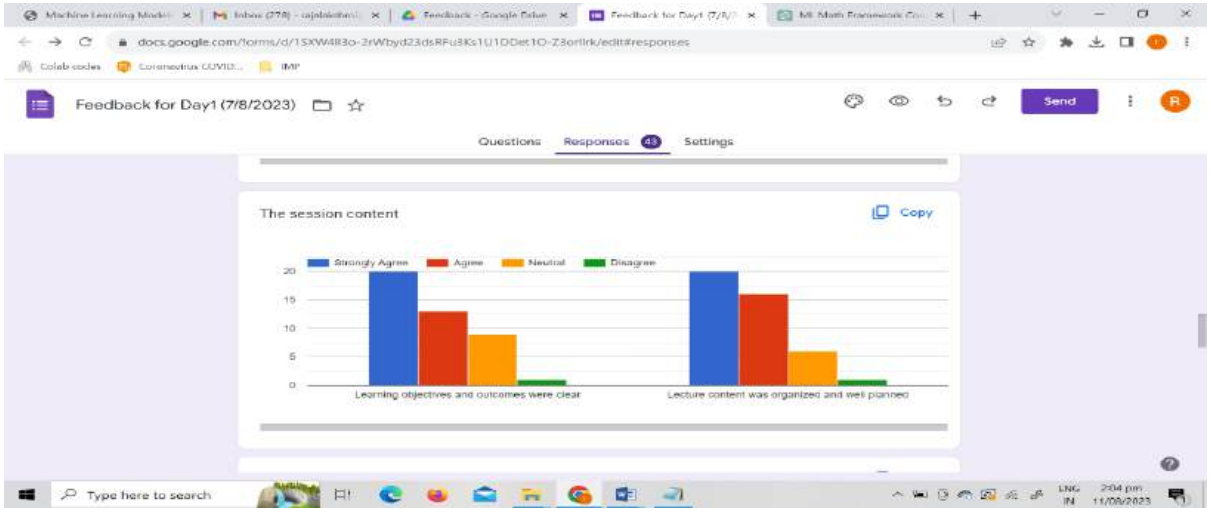
Day4 - Quiz



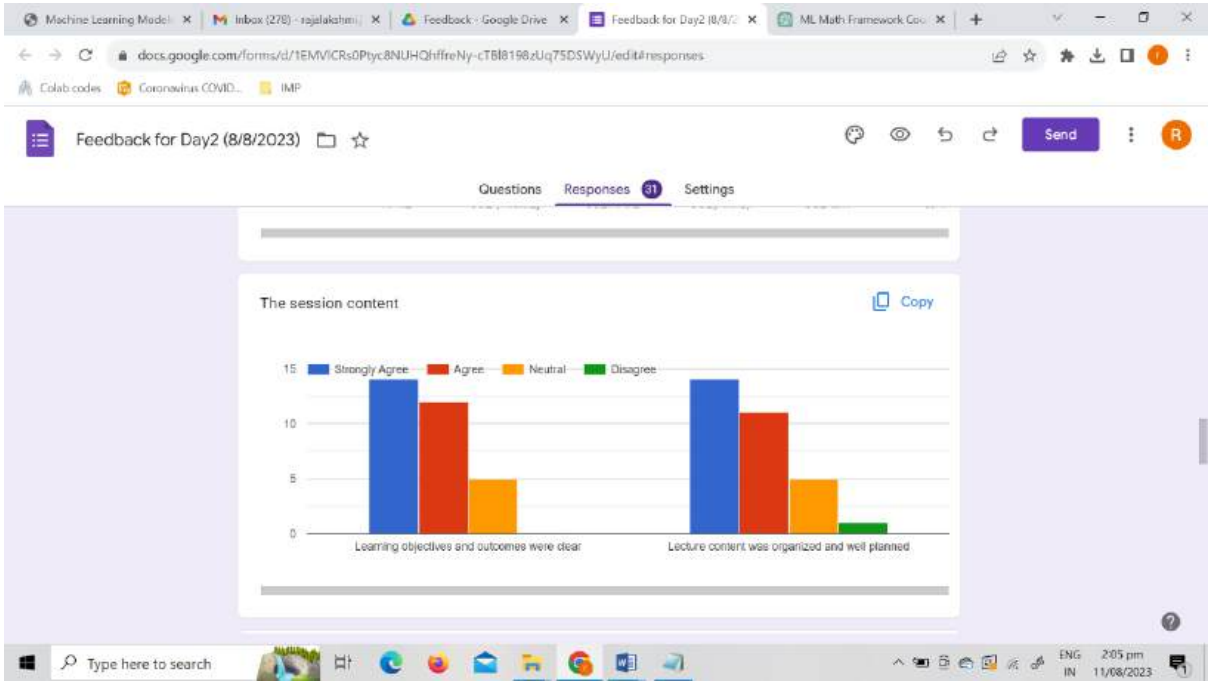
Day5 - Quiz

Feedback:

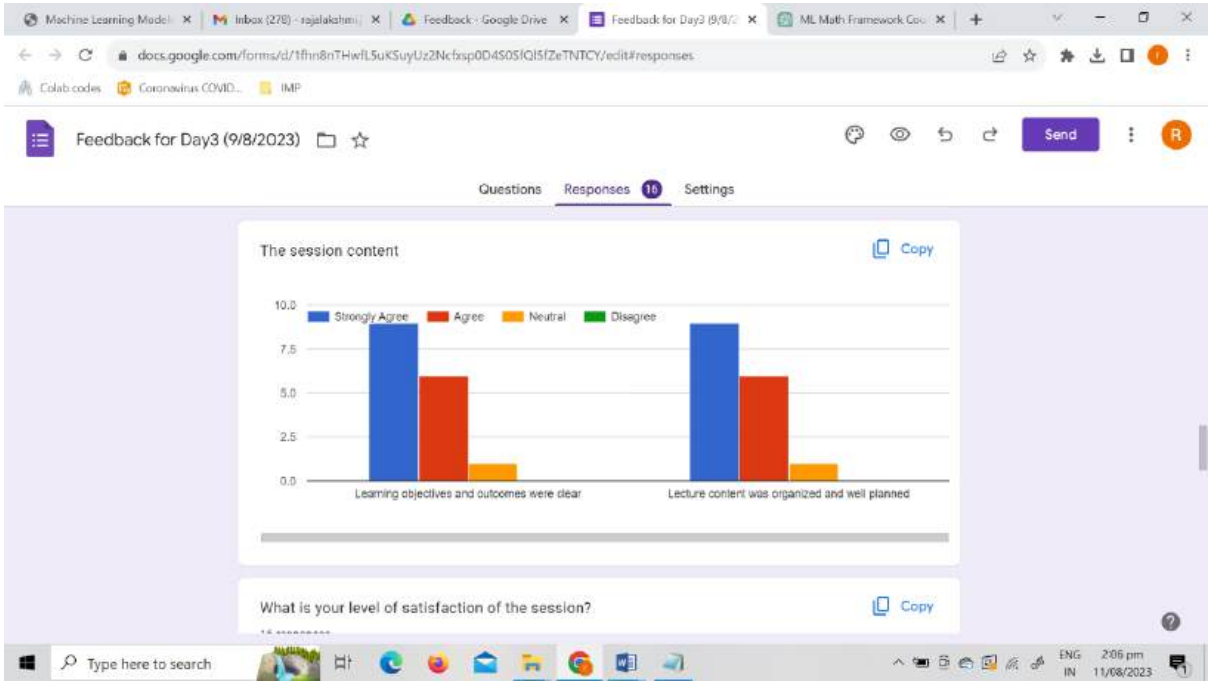
Feedback for the value added course on "Machine Learning models and its Mathematical Framework" was gathered from students using Google Forms at the end of each day, Students were encouraged to provide their insights on various aspects of the course, including content, overall satisfaction, effectiveness of the sessions in achieving its stated objectives and presentation by resource person. Overall, the feedback reflects that the objectives of the course were met, and participants gained valuable insights into the mathematical foundations of machine learning models.



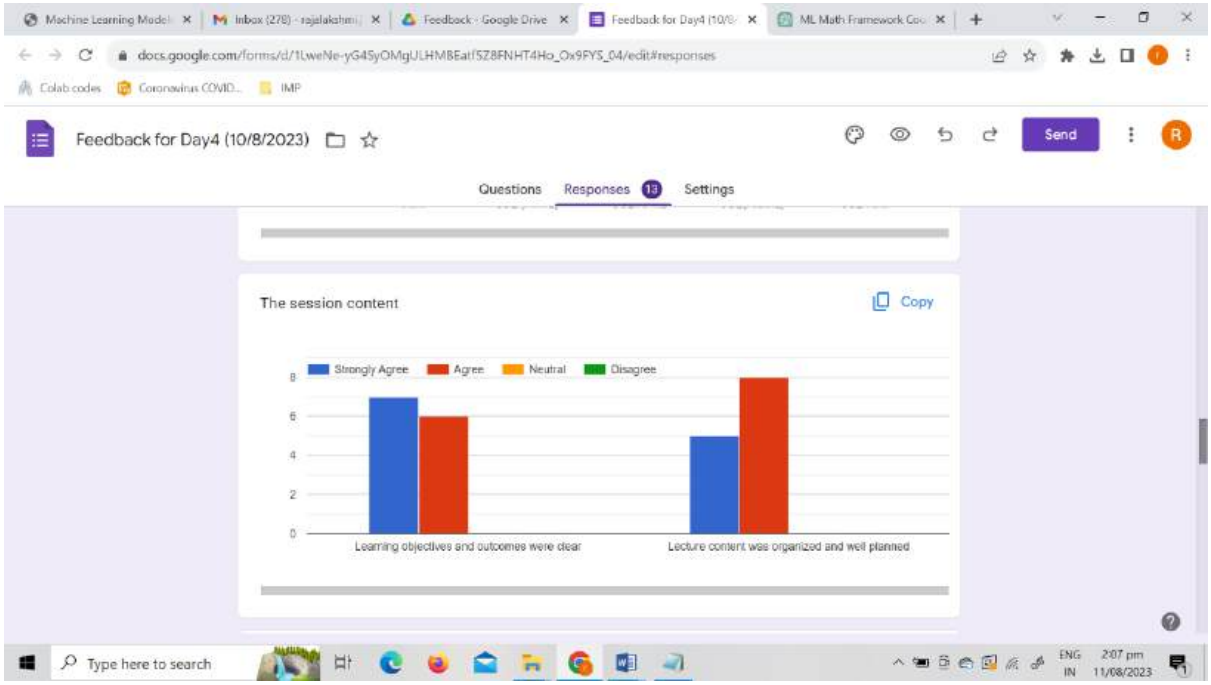
Day 1- Feedback



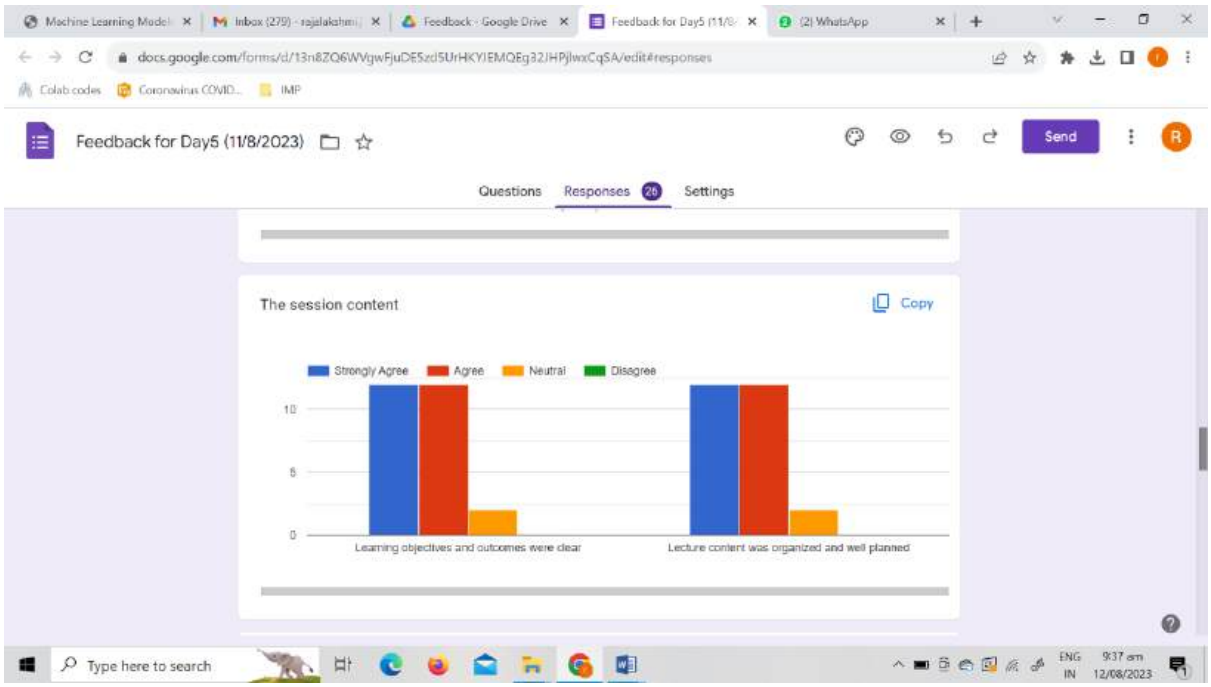
Day 2- Feedback



Day 3 -Feedback



Day 4 – Feedback



Day 5 Feedback

Conclusion:

In summary, the value added course on "Machine Learning Models and Its Mathematical Framework" provided students with an opportunity to learn the fundamental principles and mathematical intricacies that form the basis of various machine learning algorithms and how these concepts are applied in real-world scenarios, particularly in the realms of IoT, Cybersecurity, and NLP.

SCHOOL OF ENGINEERING

Dayananda Sagar University

School of Engineering

Devarakaggalahalli, Harohalli,Kanakapura Road, Ramanagara Dt.,Bengaluru – 562 112

Department of Computer Science Engineering

(Artificial Intelligence and Machine Learning)

CERTIFICATE OF APPRECIATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Dr. Jayavrinda Vrindavanam

Professor & Chairperson, Department of CSE(AI&ML) for giving her valuable time and expertise as RESOURCE PERSON in the value added course "Machine Learning models and its Mathematical Framework" on 16th July 2024, offered by the Department of CSE(AI&ML)

DR. JAYAVRINDA VRINDAVANAM
PROFESSOR & CHAIRPERSON
CSE(AI&ML), SOE, DSU.

DR. UDAYA KUMAR REDDY K R
DEAN, SCHOOL OF
ENGINEERING DSU

SCHOOL OF ENGINEERING

Dayananda Sagar University

School of Engineering

Devarakaggalahalli, Harohalli,Kanakapura Road, Ramanagara Dt.,Bengaluru – 562 112

Department of Computer Science Engineering

(Artificial Intelligence and Machine Learning)

CERTIFICATE OF APPRECIATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Dr. Srimanta Maji

Assistant Professor, Department of Mathematics. for giving her valuable time and expertise as RESOURCE PERSON in the value added course "Machine Learning models and its Mathematical Framework" on 16th July 2024, offered by the Department of CSE(AI&ML)

DR. JAYAVRINDA VRINDAVANAM
PROFESSOR & CHAIRPERSON
CSE(AI&ML), SOE, DSU.

DR. UDAYA KUMAR REDDY K R
DEAN, SCHOOL OF
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(Artificial Intelligence and Machine Learning)

CERTIFICATE OF APPRECIATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Dr. Rangaraj B S

Professor, Department of CSE(AI&ML) for giving his valuable time and expertise as RESOURCE PERSON in the value added course "Machine Learning models and its Mathematical Framework" on 16th July 2024, offered by the Department of CSE(AI&ML)

DR. JAYAVRINDA VRINDAVANAM
PROFESSOR & CHAIRPERSON
CSE(AI&ML), SOE, DSU.

DR. UDAYA KUMAR REDDY K R
DEAN, SCHOOL OF
ENGINEERING DSU

SCHOOL OF ENGINEERING

Dayananda Sagar University

School of Engineering

Devarakaggalahalli, Harohalli,Kanakapura Road, Ramanagara Dt.,Bengaluru – 562 112

Department of Computer Science Engineering

(Artificial Intelligence and Machine Learning)

CERTIFICATE OF APPRECIATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Dr. A. Vegi Fernando

Associate professor, Department of CSE(AI&ML) for giving her valuable time and expertise as RESOURCE PERSON in the value added course "Machine Learning models and its Mathematical Framework" on 18th July 2024, offered by the Department of CSE(AI&ML)

DR. JAYAVRINDA VRINDAVANAM
PROFESSOR & CHAIRPERSON
CSE(AI&ML), SOE, DSU.

DR. UDAYA KUMAR REDDY K R
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Dr. Shreyas Rajendra Hole

Assistant Professor, Department of CSE(AI&ML) for giving his valuable time and expertise as RESOURCE PERSON in the value added course "Machine Learning models and its Mathematical Framework" on 18th July 2024, offered by the Department of CSE(AI&ML)

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(Artificial Intelligence and Machine Learning)

CERTIFICATE OF APPRECIATION

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Prof. Subhash Mondal

Assistant Professor, Department of CSE(AI&ML) for giving his valuable time and expertise as RESOURCE PERSON in the value added course "Machine Learning models and its Mathematical Framework" on 18th July 2024, offered by the Department of CSE(AI&ML)

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CERTIFICATE OF APPRECIATION

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Dr. Mude Nagarjuna Naik

Assistant Professor, Department of CSE(AI&ML) for giving his valuable time and expertise as RESOURCE PERSON in the value added course "Machine Learning models and its Mathematical Framework" on 19th July 2024, offered by the Department of CSE(AI&ML)

DR. JAYAVRINDA VRINDAVANAM
PROFESSOR & CHAIRPERSON
CSE(AI&ML), SOE, DSU.

DR. UDAYA KUMAR REDDY K R
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(Artificial Intelligence and Machine Learning)

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Dr. Sumit Kumar Yadav

Assistant Professor, Department of CSE(AI&ML) for giving his valuable time and expertise as RESOURCE PERSON in the value added course "Machine Learning models and its Mathematical Framework" on 19th July 2024, offered by the Department of CSE(AI&ML)

DR. JAYAVRINDA VRINDAVANAM
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Department of Computer Science Engineering

(Artificial Intelligence and Machine Learning)

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Dr. Vinutha N

Associate professor, Department of CSE(AI&ML) for giving her valuable time and expertise as RESOURCE PERSON in the value added course "Machine Learning models and its Mathematical Framework" on 19th July 2024, offered by the Department of CSE(AI&ML)

DR. JAYAVRINDA VRINDAVANAM
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CERTIFICATE OF APPRECIATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Dr. Durbadal Chattaraj

Associate Professor, Department of CSE(Cyber Security) for giving his valuable time and expertise as RESOURCE PERSON in the value added course "Machine Learning models and its Mathematical Framework" on 22nd July 2024, offered by the Department of CSE(AI&ML)

DR. JAYAVRINDA VRINDAVANAM
PROFESSOR & CHAIRPERSON
CSE(AI&ML), SOE, DSU.

DR. UDAYA KUMAR REDDY K R
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(Artificial Intelligence and Machine Learning)

CERTIFICATE OF APPRECIATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Prof. Pavithra A

Assistant Professor, Department of CSE(AI&ML) for giving her valuable time and expertise as RESOURCE PERSON in the value added course "Machine Learning models and its Mathematical Framework" on 22nd July 2024, offered by the Department of CSE(AI&ML)

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PROFESSOR & CHAIRPERSON
CSE(AI&ML), SOE, DSU.

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Prof. Mitha Guru

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Prof. Rakshita

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PROFESSOR & CHAIRPERSON
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Department of Computer Science Engineering

(Artificial Intelligence and Machine Learning)

CERTIFICATE OF APPRECIATION

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Prof. Pradeep Kumar

Assistant Professor, Department of CSE(AI&ML) for giving his valuable time and expertise as RESOURCE PERSON in the value added course "Machine Learning models and its Mathematical Framework" on 23rd July 2024, offered by the Department of CSE(AI&ML)

DR. JAYAVRINDA VRINDAVANAM
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Department of Computer Science Engineering

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Prof. Udaya Bhaskara N

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Prof. Sharanabasappa Tadkal

Assistant Professor, Department of CSE(Cyber Security) for giving his valuable time and expertise as RESOURCE PERSON in the value added course "Machine Learning models and its Mathematical Framework" on 23rd July 2024, offered by the Department of CSE(AI&ML)

DR. JAYAVRINDA VRINDAVANAM
PROFESSOR & CHAIRPERSON
CSE(AI&ML), SOE, DSU.

DR. UDAYA KUMAR REDDY K R
DEAN, SCHOOL OF
ENGINEERING DSU

DAYANANDA SAGAR
UNIVERSITY

DAYANANDA SAGAR UNIVERSITY

Department of Computer Science Engineering (Data Science)

School of Engineering

In Association with DataScience@ DSU Club

Report on

5 DAY VALUE ADDED COURSE

on **"Data Analytics and Artificial Intelligence Applications using MATLAB-Simulink"**

Date: 2nd, 20th November, 2023,
1st, 7th, 28th December 2023

Time: 10:00 AM – 4:00 PM

Organizers:

Prof. Shivamma D
Assistant Professor
Dept. of CSE(DS)

Prof. Monish L
Assistant Professor
Dept. of CSE(DS)

29/12/23

CHAIRPERSON
Dept of CSE (Data Science)
School of Engineering
Dayananda Sagar University
Devarakaggalahalli, Kanakapura Road
Ramanagara District - 562112
Karnataka

Convener:

Dr. Amit Bhatt
Pro-Vice Chancellor, DSU
Dr. Udaya Kumar Reddy KR
Dean, SoE
Dr. Ramesh R. Galigekere
Dean (Acad) Science and Technology
Dr. Shaila S G
Chairperson, Dept. of CSE (DS)

Target Audiences: B Tech students of CSE (DS)

The DataScience@DSU Club, the Department of CSE (Data Science) organized a Workshop on "Data Analytics and Artificial Intelligence Applications using MATLAB-Simulink" held on 2nd November 2023 to 14 December 2023 organized by Dr. Shaila S G , Professor and Chairperson, Prof. Shivamma D, Assistant Professor, Prof, Monish L, Assistant Professor, Dept. of CSE (Data Science). The targeted audience was 3rd Semester Data Science B.Tech students.

Objectives:

- To introduce participants to the fundamentals of data analytics, artificial intelligence, and the relevance of MATLAB-Simulink in these domains.
- Enable participants to apply machine learning algorithms and AI techniques using MATLAB-Simulink through practical exercises and projects
- Illustrate real-world applications of data analytics and AI through case studies, demonstrating how MATLAB-Simulink has been instrumental in solving industry challenges.

Outcome :

- Participants will gain practical proficiency in utilizing MATLAB-Simulink for implementing data analytics techniques and basic artificial intelligence algorithms.
- To apply learned concepts through hands-on exercises, enabling them to develop and execute small-scale data analytics and AI projects.
- To enhance the problem-solving skills and an understanding of how MATLAB-Simulink can be employed to address real-world challenges in industries leveraging data analytics and artificial intelligence.

Day 1: The resource person Mr. Avinash embarked on an insightful journey through the realms of industry and academia, shedding light on the prevailing trends in data analytics and artificial intelligence. Seamlessly transitioning into the technical domain, he adeptly introduced the participants to the intricate world of MATLAB, deftly navigating through its interface and functionality. The Live Script feature, in particular, captivated the audience, offering a dynamic platform for interactive learning and documentation. Avinash's adeptness in simplifying complex concepts made the initial phase of the workshop a robust foundation for the subsequent technical sessions.

Continuing his compelling discourse, Mr. Avinash meticulously guided the attendees through the essential tenets of MATLAB operations, navigating through the maze of matrix management and visualization techniques. His adept explanations on creating evenly spaced vectors and implementing conditional statements within MATLAB fostered a tangible understanding among participants. His articulate presentation and hands-on approach laid a solid groundwork, nurturing a palpable enthusiasm among participants for the intricate possibilities of MATLAB and its practical applications in data analytics and artificial intelligence.

Day 2: The resource person Mr Rakshith, deep dive into data visualization, the sessions on visualizing data and importing unstructured data exemplified his command over MATLAB's diverse functionalities. participants were introduced to the array of visualization tools available in MATLAB, gaining proficiency in representing complex data sets visually for enhanced comprehension. Furthermore, elucidation of importing unstructured data showcased MATLAB's adaptability in handling various data formats, empowering participants to manipulate and extract insights from diverse data sources. His methodical approach and hands-on demonstrations instilled confidence in the attendees, equipping them with practical skills essential

for effective data handling and visualization using MATLAB.

Day 3 & Day 4; On day four of the immersive journey into machine learning, the focus delved deeper into the foundational pillars of this transformative field. Beginning with an insightful exploration of machine learning's essence, participants uncovered its significance in enabling computers to learn patterns and autonomously make decisions. Delving into unsupervised learning, the session illuminated the power of algorithms to discern hidden patterns within unlabeled data, broadening the understanding of how machines identify intrinsic structures without explicit guidance.

The day's discourse transitioned seamlessly into the realms of classification and regression problems, elucidating the divergent yet complementary roles they play. Classification's art of categorizing data into predefined classes, and regression's ability to predict continuous outcomes, were exemplified through various algorithms like Support Vector Machines and Linear Regression, illuminating their practical applications across industries.

Finally, the session culminated in captivating application demos, showcasing the practical marvels of machine learning across diverse domains.Overall, day four unveiled the multi-faceted landscape of machine learning, empowering participants with foundational knowledge and a glimpse into its vast applications.

Day 5: Immersive exploration into machine learning delved into the intricate world of deep learning, commencing with a comprehensive introduction to neural networks' complex architecture and their ability to decipher intricate patterns from data. The session seamlessly transitioned to the practical application of pre-trained networks, showcasing their efficiency in accelerating learning and adaptation to new datasets while emphasizing the potency of transfer learning for swift model adaptation across domains. Tackling the challenges of managing extensive data collections, participants gained insights into effective preprocessing and organization techniques crucial for fortifying model efficacy. Transfer learning emerged as a transformative strategy, enabling participants to leverage knowledge from one domain to enhance model performance, especially in scenarios with limited data availability. Additionally, the significance of feature extraction was underscored, unveiling methodologies to distill critical features that enhance model accuracy and efficiency. The session culminated with engaging MATLAB Apps demonstrations, simplifying intricate workflows from data preparation to model deployment and highlighting deep learning's practical applications in image and speech recognition, natural language processing, and autonomous systems across diverse industries.

MathWorks

CoreEL Technologies
Enabling Excellence

Student Workshop on Data Analytics and Artificial Intelligence Applications using MATLAB-Simulink

Prerequisites:

- **MATLAB Onramp and MATLAB Fundamentals courses completed from the OTS available.**

Day-1: Introduction to MATLAB

Date	Time	Schedule
To Be Scheduled	**10:00am to 04:00pm**	• About CoreEL & MathWorks • Industry & Academic Trends • Introduction to MATLAB and Live Script • Managing and Visualizing Matrices • Evenly Spaced Vectors • Conditional Statements • User Defined Functions

Day-2: Data Processing and Visualisation

Date	Time	Schedule
To Be Scheduled	**10:00am to 04:00pm**	• Importing and Exporting Data • Analyzing groups within a data • Graphics Formatting Options • Customizing Graphics Objects • Visualizing your Data • Importing Unstructured Data

Day-3: Image Processing

Date	Time	Schedule
To Be Scheduled	10:00am to 04:00pm	• Introduction to Image Processing • Importing and Exporting Images • Image Enhancement • Image Thresholding • Edge Detection • Morphological Operations • Application Demos

Day-4: Machine Learning

Date	Time	Schedule
To Be Scheduled	10:00am to 04:00pm	• Introduction to Machine Learning • Unsupervised Learning • Classification and Regression Problems • Improving Model Performance • Automating Workflow with MATLAB Apps • Feature Extraction Workflows • Application Demos

Day-5: Deep Learning

Date	Time	Schedule
To Be Scheduled	10:00am to 04:00pm	• Introduction to Deep Learning • Working with Pre-trained Networks • Handling Collections of Data • Transfer Learning • Feature Extraction for Machine Learning • Automating Workflow with MATLAB Apps • Application Demos

Outcome:

The participants who attended the event will able to:

- **Have a good understanding about the fundamental aspects of MATLAB**
- **Use the Workflows for Data Preprocessing and visualisation**
- **Learn the aspects of Image processing and Computer Vision workflows**
- **Implement Artificial Intelligence applications using low code approach**

Requirements:

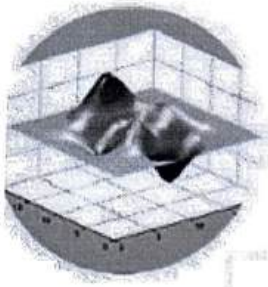
- **MATLAB Online Access**
- **Stable Internet Connection**

DAYANANDA SAGAR UNIVERSITY

MathWorks

School of Engineering

Devarakaggalahalli, Harohalli, Kanakapura Road
Ramanagara Dt., Bengaluru – 562 112



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

In association with
DataScience@DSU Club and MathWorks
Is Organising

VAC ON "DATA ANALYTICS AND ARTIFICIAL INTELLIGENCE APPLICATIONS USING MATLAB-SIMULINK"

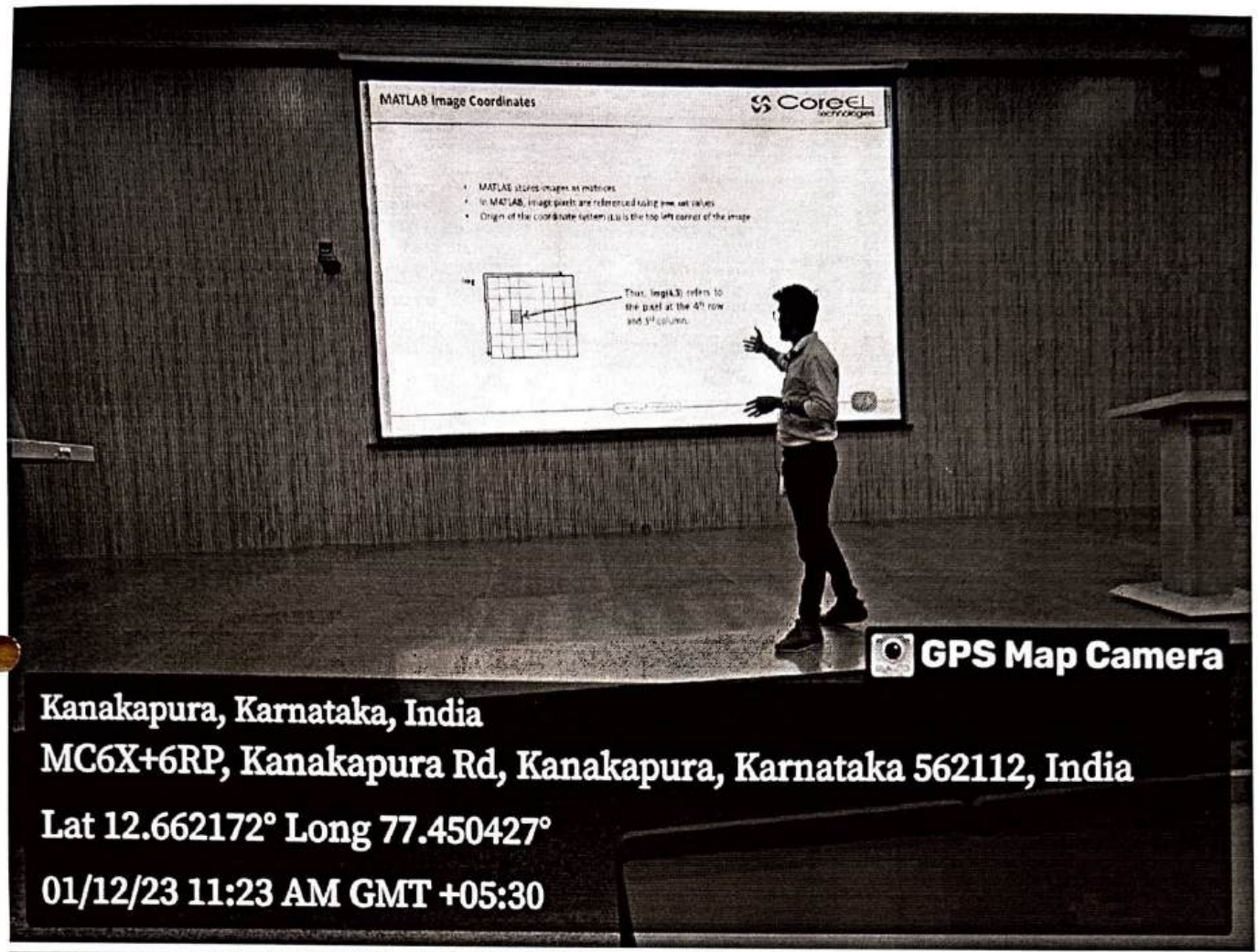
Resource Person: Mr. Avinash, Application Engineer, MathWorks Bangalore
Mr. Bhanu Prakash Dixith B N, MathWorks, Bangalore

Date: 2nd Nov , 10th Nov, 29th Nov, 7th Dec and 14th Dec 2023 at 10:00 am - 4:00 pm

Venue: A Block, Harohalli, DSU

Conveners:
Dr. Amit Bhatt
Pro-Vice Chancellor, DSU
Dr. Udaya Kumar Reddy KR
Dean, SoE
Dr. Shaila S G
Chairperson, Dept. of CSE (DS)

Organizers:
Prof. Shivamma D
Assistant Professor
Dept. of CSE(DS)


MATLAB Image Coordinates
CorelDRAW Technical Suite
MATLAB stores images as matrices
In MATLAB, image pixels are referenced using row, col values
Origin of the coordinate system (1,1) is the top left corner of the image
Thus, img(4,3) refers to the pixel at the 4th row and 3rd column.
GPS Map Camera
Kanakapura, Karnataka, India
MC6X+6RP, Kanakapura Rd, Kanakapura, Karnataka 562112, India
Lat 12.662172° Long 77.450427°
01/12/23 11:23 AM GMT +05:30

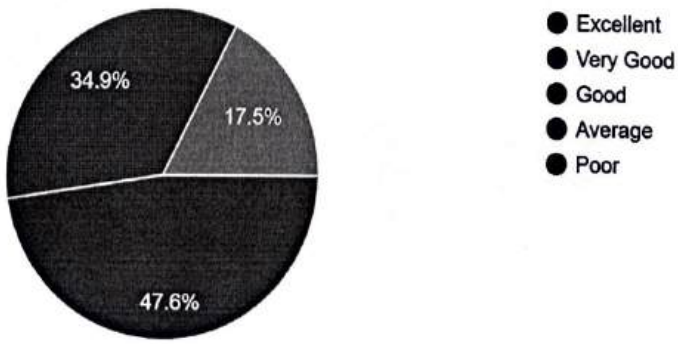

UNIVERSITY
School of Engineering
MathWorks
(DATA SCIENCE)



Feedback

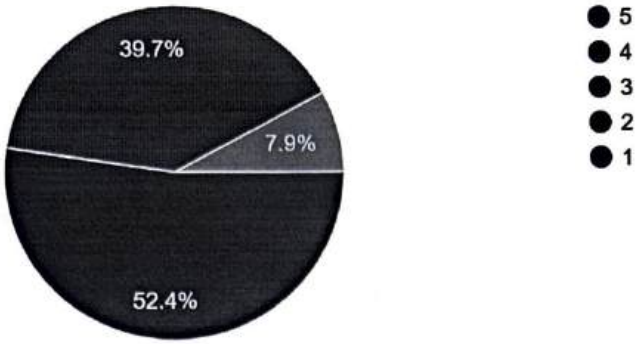
Organization of the event workshop was

63 responses



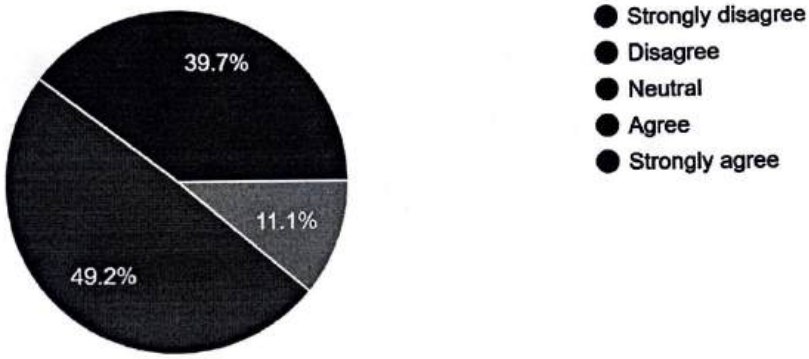
What is your level of satisfaction of the event ?(Note: Five is the highest level of satisfaction)

63 responses



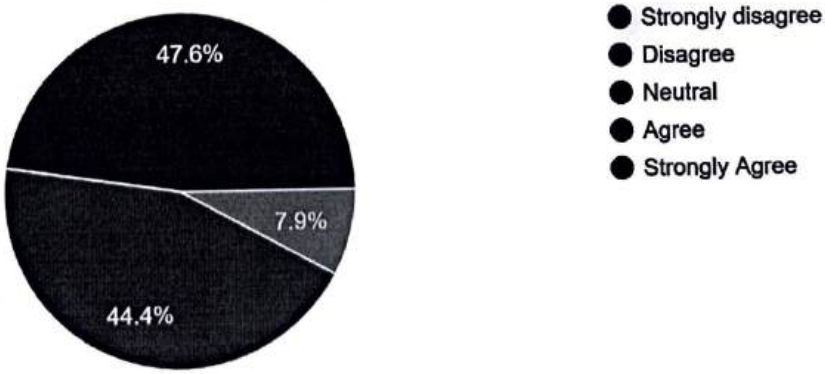
The workshop contents met with your expectations

63 responses



The workshop exposed you to new knowledge and practices

63 responses



SCHOOL OF ENGINEERING

Devarakagalahalli, Harohalli, Ramanagara Dt.

Department of CSE (Data Science)

Event Name: DAY-2 Data Analytics and Artificial Intelligence Applications using MATLAB-Simulink

Date: 20th November 2023

Sl No	USN	Student Name	Morning Signature	Afternoon Signature
1	ENG22DS0001	DEEPIKA G		
2	ENG22DS0002	HARSHA	Harsha	Harsha
3	ENG22DS0003	HARSHITA JEETENDRA BHUTE	Harshita	Harshita
4	ENG22DS0004	JANARDHAN K S		
5	ENG22DS0005	MOHAMMED ARMAN		
6	ENG22DS0006	MOHAMMED FAIZAN KHAN		
7	ENG22DS0007	PAVAN PREETHAM MUKKUNDA		
8	ENG22DS0008	PRIYANKA BAI B K		
9	ENG22DS0009	PUNITH N	Punith.N	Punith.N
10	ENG22DS0010	R SINDHU	R Sindhu	
11	ENG22DS0011	RAJAT GOPALKRISHNA SALUNKE		
12	ENG22DS0012	RANJITHA C		
13	ENG22DS0013	RICHITHA S	Richitha.S	Richitha.S
14	ENG22DS0014	SACHIN CHANDRAM BHOSAGI		
15	ENG22DS0015	SAHANA S M	Sahana.S.M	Sahana.S.M
16	ENG22DS0016	SAHANA VITTAL SHETTY		
17	ENG22DS0017	SANJANA T	Sanjana	Sanjana
18	ENG22DS0018	SRI SAI NITHIN P	Sai Nithin.P	Sai Nithin.P
19	ENG22DS0019	SUJEETH KUMAR D S		
20	ENG22DS0020	VARUN R	Varun	Varun
21	ENG22DS0021	VEERESH		
22	ENG22DS0022	VENKAT NIVAS REDDY K		
23	ENG22DS0023	VINITH K M	Vinith.K.M	Vinith.K.M
24	ENG22DS0024	VIRIKA OLIVIA SOANS		
25	ENG22DS0025	AKSHAT JAIN	Akshat	
26	ENG22DS0026	ANSHUMAN	Anshuman	Anshuman
27	ENG22DS0027	BANU VARSHIT B		
28	ENG22DS0028	HIFZA AHMED		
29	ENG22DS0029	HIT KARAN SINGH RATHORE	Hit Karan	Hit Karan
30	ENG22DS0030	JOB JOMY		
31	ENG22DS0031	K RAYVANTH	K.Rayvanth	K.Rayvanth
32	ENG22DS0032	KOVARTHANA K	Kkovarthana	Kkovarthana

33	ENG22DS0033	KURUBA RENUKA	K. Renuka	K. Renuka
34	ENG22DS0034	KURUBA VEERESH	K. Veeresh	K. Veeresh
35	ENG22DS0035	M ABILASH		
36	ENG22DS0036	MAHI GUPTA		
37	ENG22DS0037	MANAV ANAND JOSHI		
38	ENG22DS0038	N PRANAV REDDY		
39	ENG22DS0039	NITIN PRAJWAL R		
40	ENG22DS0040	PAVAN KUMAR G		
41	ENG22DS0041	RAMANA VEL B V		
42	ENG22DS0042	SHERLYN ROSE		
43	ENG22DS0043	SHUSHMA S		
44	ENG22DS0044	SIDDHANT JAIN DAISHIN		
45	ENG22DS0045	TEEKALA GOWTHAM		
46	ENG22DS0046	THANYA U GANIGA		
47	ENG22DS0047	VINU RAJ VAMSHI		
48	ENG22DS0048	ADITYA NISHAD		
49	ENG22DS0049	ARIAN KOVACS		
50	ENG22DS0050	LIKITH SHETTY S R		
51	ENG22DS0051	MALLIREDDY KRUSHI KETHAN REDDY		
52	ENG22DS0052	NEMAKAL HARSHA VARDHAN		
53	ENG22DS0053	ROOPAK R		
54	ENG22DS0054	S KRITIK VASAN		
55	ENG22DS0055	SHRAVANTH GOWDA N		
56	ENG22DS0056	SUGESH K G		
57	ENG22DS0057	VENKATA SUSHAL NALANAGU		

SCHOOL OF ENGINEERING

Devarakagalahalli, Harohalli, Ramanagara Dt.

Department of CSE (Data Science)

Event Name: DAY 1 on Data Analytics and Artificial Intelligence Applications using MATLAB-Simulink

Date: 01 December 2023

Sl No	USN	Student Name	Morning Signature	Afternoon Signature
1	ENG22DS0001	DEEPIKA G		
2	ENG22DS0002	HARSHA		
3	ENG22DS0003	HARSHITA JEETENDRA BHUTE		
4	ENG22DS0004	JANARDHAN K S		
5	ENG22DS0005	MOHAMMED ARMAN		
6	ENG22DS0006	MOHAMMED FAIZAN KHAN		
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8	ENG22DS0008	PRIYANKA BAI B K		
9	ENG22DS0009	PUNITH N		
10	ENG22DS0010	R SINDHU		
11	ENG22DS0011	RAJAT GOPALKRISHNA SALUNKE		
12	ENG22DS0012	RANJITHA C		
13	ENG22DS0013	RICHITHA S		
14	ENG22DS0014	SACHIN CHANDRAM BHOSAGI		
15	ENG22DS0015	SAHANA S M		
16	ENG22DS0016	SAHANA VITTAL SHETTY		
17	ENG22DS0017	SANJANA T		
18	ENG22DS0018	SRI SAI NITHIN P		
19	ENG22DS0019	SUJEETH KUMAR D S		
20	ENG22DS0020	VARUN R		
21	ENG22DS0021	VEERESH		
22	ENG22DS0022	VENKAT NIVAS REDDY K		
23	ENG22DS0023	VINITH K M		
24	ENG22DS0024	VIRIKA OLIVIA SOANS		
25	ENG22DS0025	AKSHAT JAIN		
26	ENG22DS0026	ANSHUMAN		
27	ENG22DS0027	BANU VARSHIT B		
28	ENG22DS0028	HIFZA AHMED		
29	ENG22DS0029	HIT KARAN SINGH RATHORE		
30	ENG22DS0030	JOB JOMY		
31	ENG22DS0031	K RAYVANTH		
32	ENG22DS0032	KOVARTHANA K		

33	ENG22DS0033	KURUBA RENUKA	K Renuka	K Renuka
34	ENG22DS0034	KURUBA VEERESH	K Veeresh	K Veeresh
35	ENG22DS0035	M ABILASH		
36	ENG22DS0036	MAHI GUPTA		
37	ENG22DS0037	MANAV ANAND JOSHI		
38	ENG22DS0038	N PRANAV REDDY		
39	ENG22DS0039	NITIN PRAJWAL R		
40	ENG22DS0040	PAVAN KUMAR G		
41	ENG22DS0041	RAMANA VEL B V		
42	ENG22DS0042	SHERLYN ROSE		
43	ENG22DS0043	SHUSHMA S		
44	ENG22DS0044	SIDDHANT JAIN DAISHIN		
45	ENG22DS0045	TEEKALA GOWTHAM		
46	ENG22DS0046	THANYA U GANIGA		
47	ENG22DS0047	VINU RAJ VAMSHI		
48	ENG22DS0048	ADITYA NISHAD		
49	ENG22DS0049	ARIAN KOVACS		
50	ENG22DS0050	LIKITH SHETTY S R		
51	ENG22DS0051	MALLIREDDY KRUSHI KETHAN REDDY		
52	ENG22DS0052	NEMAKAL HARSHA VARDHAN		
53	ENG22DS0053	ROOPAK R		
54	ENG22DS0054	S KRITIK VASAN	Kritik	Kritik
55	ENG22DS0055	SHRAVANTH GOWDA N		
56	ENG22DS0056	SUGESH K G		
57	ENG22DS0057	VENKATA SUSHAL NALANAGU		

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Ramanagara District - 562112
Karnataka

SCHOOL OF ENGINEERING

Devarakagalahalli, Harohalli, Ramanagara Dt.

Department of CSE (Data Science)

Event Name: DAY-4 - Data Analytics and Artificial Intelligence Applications using MATLAB-Simulink

Date: 07 December 2023

Sl No	USN	Student Name	Morning Signature	Afternoon Signature
1	ENG22DS0001	DEEPIKA G		
2	ENG22DS0002	HARSHA		
3	ENG22DS0003	HARSHITA JEETENDRA BHUTE		
4	ENG22DS0004	JANARDHAN K S		
5	ENG22DS0005	MOHAMMED ARMAN		
6	ENG22DS0006	MOHAMMED FAIZAN KHAN		
7	ENG22DS0007	PAVAN PREETHAM MUKKUNDA		
8	ENG22DS0008	PRIYANKA BAI B K		
9	ENG22DS0009	PUNITH N		
10	ENG22DS0010	R SINDHU		
11	ENG22DS0011	RAJAT GOPALKRISHNA SALUNKE		
12	ENG22DS0012	RANJITHA C		
13	ENG22DS0013	RICHITHA S		
14	ENG22DS0014	SACHIN CHANDRAM BHOSAGI		
15	ENG22DS0015	SAHANA S M		
16	ENG22DS0016	SAHANA VITTAL SHETTY		
17	ENG22DS0017	SANJANA T		
18	ENG22DS0018	SRI SAI NITHIN P		
19	ENG22DS0019	SUJEETH KUMAR D S		
20	ENG22DS0020	VARUN R		
21	ENG22DS0021	VEERESH		
22	ENG22DS0022	VENKAT NIVAS REDDY K		
23	ENG22DS0023	VINITH K M		
24	ENG22DS0024	VIRIKA OLIVIA SOANS		
25	ENG22DS0025	AKSHAT JAIN		
26	ENG22DS0026	ANSHUMAN		
27	ENG22DS0027	BANU VARSHIT B		
28	ENG22DS0028	HIFZA AHMED		
29	ENG22DS0029	HIT KARAN SINGH RATHORE		
30	ENG22DS0030	JOB JOMY		
31	ENG22DS0031	K RAYVANTH		
32	ENG22DS0032	KOVARTHANA K		

33	ENG22DS0033	KURUBA RENUKA	K. Renuka	K. Renuka
34	ENG22DS0034	KURUBA VEERESH	K. Veeresh	K. Veeresh
35	ENG22DS0035	M ABILASH		
36	ENG22DS0036	MAHI GUPTA	MDP	MDP
37	ENG22DS0037	MANAV ANAND JOSHI		
38	ENG22DS0038	N PRANAV REDDY		
39	ENG22DS0039	NITIN PRAJWAL R		
40	ENG22DS0040	PAVAN KUMAR G		
41	ENG22DS0041	RAMANA VEL S V		
42	ENG22DS0042	SHERLYN ROSE		
43	ENG22DS0043	SHUSHMA S		
44	ENG22DS0044	SIDDHANT JAIN DAISHIN		
45	ENG22DS0045	TEEKALA GOWTHAM		
46	ENG22DS0046	THANYA U GANIGA		
47	ENG22DS0047	VINU RAJ VAMSHI		
48	ENG22DS0048	ADITYA NISHAD		
49	ENG22DS0049	ARIAN KOVACS		
50	ENG22DS0050	UKITH SHETTY S R		
51	ENG22DS0051	MALLIREDDY KRUSHI KETHAN REDDY		
52	ENG22DS0052	NEMAKAL HARSHA VARDHAN		
53	ENG22DS0053	ROOPAK R		
54	ENG22DS0054	S KRITIK VASAN		Krutik
55	ENG22DS0055	SHRAVANTH GOWDA N		
56	ENG22DS0056	SUGESH K G		
57	ENG22DS0057	VENKATA SUSHAL NALANAGU		

SCHOOL OF ENGINEERING

Devarakagalahalli, Harohalli, Ramanagara Dt.

Department of CSE (Data Science)

Event Name: DAY-5 Data Analytics and Artificial Intelligence Applications using MATLAB-Simulink

Date: 28 December 2023

Sl No	USN	Student Name	Morning Signature	Afternoon Signature
1	ENG22DS0001	DEEPIKA G		
2	ENG22DS0002	HARSHA		
3	ENG22DS0003	HARSHITA JEETENDRA BHUTE		
4	ENG22DS0004	JANARDHAN K S		
5	ENG22DS0005	MOHAMMED ARMAN		
6	ENG22DS0006	MOHAMMED FAIZAN KHAN		
7	ENG22DS0007	PAVAN PREETHAM MUKKUNDA		
8	ENG22DS0008	PRIYANKA BAI B K		
9	ENG22DS0009	PUNITH N		
10	ENG22DS0010	R SINDHU		
11	ENG22DS0011	RAJAT GOPALKRISHNA SALUNKE		
12	ENG22DS0012	RANJITHA C		
13	ENG22DS0013	RICHITHA S		
14	ENG22DS0014	SACHIN CHANDRAM BHOSAGI		
15	ENG22DS0015	SAHANA S M		
16	ENG22DS0016	SAHANA VITTAL SHETTY		
17	ENG22DS0017	SANJANA T		
18	ENG22DS0018	SRI SAI NITHIN P		
19	ENG22DS0019	SUJEETH KUMAR D S		
20	ENG22DS0020	VARUN R		
21	ENG22DS0021	VEERESH		
22	ENG22DS0022	VENKAT NIVAS REDDY K		
23	ENG22DS0023	VINITH K M		
24	ENG22DS0024	VIRIKA OLIVIA SOANS		
25	ENG22DS0025	AKSHAT JAIN		
26	ENG22DS0026	ANSHUMAN		
27	ENG22DS0027	BANU VARSHIT B		
28	ENG22DS0028	HIFZA AHMED		
29	ENG22DS0029	HIT KARAN SINGH RATHORE		
30	ENG22DS0030	JOB JOMY		
31	ENG22DS0031	K RAYVANTH		
32	ENG22DS0032	KOVARTHANA K		

32	ENG22DS0033	KURUBA RENUKA	K. Renuka	K. Renuka
33	ENG22DS0034	KURUBA VEERESH	K. Veeresh	K. Veeresh
34	ENG22DS0035	M ABRASH		
35	ENG22DS0036	MAHI GUPTA		
36	ENG22DS0037	MANAV ANAND JOSHI		
37	ENG22DS0038	N PRANAV REDDY		
38	ENG22DS0039	NITIN PRAJWAL R		
39	ENG22DS0040	PAVAN KUMAR S		
40	ENG22DS0041	RAMANA VEL S V		
41	ENG22DS0042	SHERLYN ROSE		
42	ENG22DS0043	SHUSHMA S		
43	ENG22DS0044	SIDDHANT JAIN DAFSHIN		
44	ENG22DS0045	TEKKALA GOWTHAMI		
45	ENG22DS0046	THANYA U GANGA		
46	ENG22DS0047	VINU RAJ VAMSHI		
47	ENG22DS0048	ADITYA RISHAD		
48	ENG22DS0049	ARJAN KOVACS		
49	ENG22DS0050	LIKITH SHETTY S R		
50	ENG22DS0051	MALLIREDDY KRUSHI KETHAN REDDY		
51	ENG22DS0052	NEMARAJ HARSHA VARDHAN		
52	ENG22DS0053	ROOPAK R		
53	ENG22DS0054	S KRITIK VASAN		
54	ENG22DS0055	SHRAVANTH GOWDA N		
55	ENG22DS0056	SUGESH E G		
56	ENG22DS0057	VENKATA SUSHAL NALANAGU		

58 SHAMA. B. H

59 Chethan kumar. S

60 Sanjana. S

Sanjana. S

Sanjana. S

Would you be interested in attending future events in the similar domain?

31 responses



Attendance

29/12/23

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Karnataka

Sample certificate

CoreEL Technologies
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Certificate of Participation

HARSHITA JEETENDRA BHUTE

has participated in workshop on

Data Analytics and Artificial Intelligence Workflows using MATLAB and Simulink

held for the period of Nov 2023 - Dec 2023

organized by **CoreEL Technologies (I) Private Limited**

MathWorks

Sadiya

Ms. Sadiya Arshad
Director Education and Skill Development

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HIT KARAN SINGH RATHORE

has participated in workshop on

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Ms. Sadiya Arshad
Director Education and Skill Development

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JOB JOMY

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Sadiya

Ms. Sadiya Arshad
Director Education and Skill Development

CoreEL Technologies
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KURUBA RENUKA

has participated in workshop on

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Sadiya

Ms. Sadiya Arshad
Director Education and Skill Development

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Thank You.

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Karnataka

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30 Hours Hybrid Mode Value Added Course

on

"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. Afsha Rather bearing USN ENG21CT0001 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

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"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. Allan Dsouza bearing USN ENG21CT0002 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

on

"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. Aman Raj bearing USN ENG21CT0003 has **Successfully Completed the Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

on

"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. Ankit Singh bearing USN ENG21CT0004 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

on

"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. Gaurang Goyal bearing USN ENG21CT0006 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

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CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. Harika Reddy K bearing USN ENG21CT0007 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

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CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. Harshitha R bearing USN ENG21CT0008 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

on

"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. Hemal S bearing USN ENG21CT0009 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

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CERTIFICATE OF COMPLETION

This is to certify that Mr. Hemanth Sudarshan bearing USN ENG21CT0010 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

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CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. Jaice S Joseph bearing USN ENG21CT0011 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

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"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. Khan Samim Masud bearing USN ENG21CT0013 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

on

"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. Kharosekar Varadraj Abhay bearing USN ENG21CT0014 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

on

"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. Khushi Shah bearing USN ENG21CT0015 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

Dr. M Shahina Parveen
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Kanakapura Road, Ramanagara Dt., Bengaluru – 562 112 , India

30 Hours Hybrid Mode Value Added Course

on

"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. Krutarth Y G bearing USN ENG21CT0016 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

Dr. M Shahina Parveen
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Kanakapura Road, Ramanagara Dt., Bengaluru – 562 112 , India

30 Hours Hybrid Mode Value Added Course

on

"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. Sowmya LG bearing USN ENG21CT0017 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

Dr. M Shahina Parveen
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Chairperson, Dept. of CST, SoE
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Kanakapura Road, Ramanagara Dt., Bengaluru – 562 112 , India

30 Hours Hybrid Mode Value Added Course

on

"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. Lavanya R bearing USN ENG21CT0018 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

on

"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. Likhith H bearing USN ENG21CT0019 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

on

"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. M Esha Reddy bearing USN ENG21CT0020 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

on

"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. Manoj Kumar R bearing USN ENG21CT0023 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

on

"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. Manoj N bearing USN ENG21CT0024 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

on

"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. Nanditha. N bearing USN ENG21CT0027 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

on

"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. Niharika R bearing USN ENG21CT0028 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

on

"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. Pooja V M bearing USN ENG21CT0029 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

on

"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. Priyanka Sharma bearing USN ENG21CT0030 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

on

"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. Pruthvi S bearing USN ENG21CT0031 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

on

"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. R Keertish Kumar bearing USN ENG21CT0032 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

on

"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. Raja Kumar bearing USN ENG21CT0033 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

on

"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Ms. Sarah Catherine H bearing USN ENG21CT0034 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

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"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. S A Sharan Veronica bearing USN ENG21CT0035 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

on

"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. Shashank Hegde bearing USN ENG21CT0036 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

on

"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. Sohan R V bearing USN ENG21CT0037 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

on

"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. Sohana R bearing USN ENG21CT0038 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

on

"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. Sukriti Srinivasa bearing USN ENG21CT0039 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

on

"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. Sunidhi bearing USN ENG21CT0040 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

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"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. Swaroop K R bearing USN ENG21CT0041 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

on

"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. Swathi B bearing USN ENG21CT0042 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

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CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. Swathi S bearing USN ENG21CT0043 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

on

"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. Tanya Singh bearing USN ENG21CT0044 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

on

"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. Tarun Pradeep Kumar bearing USN ENG21CT0045 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

on

"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. Vandana MV bearing USN ENG21CT0046 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

on

"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. Vedant Ransingh bearing USN ENG21CT0047 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

on

"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. Vidushi Modi bearing USN ENG21CT0048 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

on

"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. Sandesh Shet bearing USN ENG22CT1002 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course

on

"Android Application Development"

CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. V Tharun bearing USN ENG22CT1003 has **Successfully Completed** the **Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

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30 Hours Hybrid Mode Value Added Course
on
"Programming in C# & .Net"

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms**. Ashritha** bearing USN **ENG22CT0003** has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Programming in C# & .Net"** organized by **Department of Computer Science & Technology** from **7th July to 31st July 2024.**

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30 Hours Hybrid Mode Value Added Course
on
"Programming in C# & .Net"

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms**. B Dhivya** bearing USN **ENG22CT0004** has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Programming in C# & .Net"** organized by **Department of Computer Science & Technology** from **7th July to 31st July 2024.**

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30 Hours Hybrid Mode Value Added Course
on
"Programming in C# & .Net"

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms. **Danesh H M** bearing USN **ENG22CT0005** has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Programming in C# & .Net"** organized by **Department of Computer Science & Technology** from **7th July to 31st July 2024.**

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30 Hours Hybrid Mode Value Added Course
on
"Programming in C# & .Net"

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms. **Jalaja .R** bearing USN **ENG22CT0007** has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Programming in C# & .Net"** organized by **Department of Computer Science & Technology** from **7th July to 31st July 2024.**

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30 Hours Hybrid Mode Value Added Course
on
"Programming in C# & .Net"

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms**. Jyoti Shree** bearing USN **ENG22CT0008** has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Programming in C# & .Net"** organized by **Department of Computer Science & Technology** from **7th July to 31st July 2024.**

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30 Hours Hybrid Mode Value Added Course
on
"Programming in C# & .Net"

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms. **Khyathi MR** bearing USN **ENG22CT0009** has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Programming in C# & .Net"** organized by **Department of Computer Science & Technology** from **7th July to 31st July 2024.**

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30 Hours Hybrid Mode Value Added Course
on
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CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms**. Krishna Rathod** bearing USN **ENG22CT0010** has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Programming in C# & .Net"** organized by **Department of Computer Science & Technology** from **7th July to 31st July 2024.**

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30 Hours Hybrid Mode Value Added Course
on
"Programming in C# & .Net"

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms. **Lavanaya B M** bearing USN **ENG22CT0011** has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Programming in C# & .Net"** organized by **Department of Computer Science & Technology** from **7th July to 31st July 2024.**

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30 Hours Hybrid Mode Value Added Course
on
"Programming in C# & .Net"

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms. **Lokesh J** bearing USN **ENG22CT0012** has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Programming in C# & .Net"** organized by **Department of Computer Science & Technology** from **7th July to 31st July 2024.**

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30 Hours Hybrid Mode Value Added Course
on
"Programming in C# & .Net"

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms. **Manasvini V** bearing USN **ENG22CT0013** has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Programming in C# & .Net"** organized by **Department of Computer Science & Technology** from **7th July to 31st July 2024.**

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30 Hours Hybrid Mode Value Added Course
on
"Programming in C# & .Net"

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms**. Pavan Kumar V** bearing USN **ENG22CT0015** has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Programming in C# & .Net"** organized by **Department of Computer Science & Technology** from **7th July to 31st July 2024.**

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30 Hours Hybrid Mode Value Added Course
on
"Programming in C# & .Net"

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms. **Pranati Biswal** bearing USN **ENG22CT0016** has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Programming in C# & .Net"** organized by **Department of Computer Science & Technology** from **7th July to 31st July 2024.**

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30 Hours Hybrid Mode Value Added Course
on
"Programming in C# & .Net"

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms**. Sanchana S** bearing USN **ENG22CT0017** has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Programming in C# & .Net"** organized by **Department of Computer Science & Technology** from **7th July to 31st July 2024.**

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30 Hours Hybrid Mode Value Added Course
on
"Programming in C# & .Net"

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms**. Sanmathi.Y.A** bearing USN **ENG22CT0018** has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Programming in C# & .Net"** organized by **Department of Computer Science & Technology** from **7th July to 31st July 2024.**

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30 Hours Hybrid Mode Value Added Course
on
"Programming in C# & .Net"

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms. **Srushti S** bearing USN **ENG22CT0019** has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Programming in C# & .Net"** organized by **Department of Computer Science & Technology** from **7th July to 31st July 2024.**

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30 Hours Hybrid Mode Value Added Course
on
"Programming in C# & .Net"

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms**. Tharun C E** bearing USN **ENG22CT0020** has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Programming in C# & .Net"** organized by **Department of Computer Science & Technology** from **7th July to 31st July 2024.**

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30 Hours Hybrid Mode Value Added Course
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"Programming in C# & .Net"

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms**. Varshini Balakrishna** bearing USN **ENG22CT0021** has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Programming in C# & .Net"** organized by **Department of Computer Science & Technology** from **7th July to 31st July 2024.**

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30 Hours Hybrid Mode Value Added Course
on
"Programming in C# & .Net"

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms. **Zeenathunnisa** bearing USN **ENG22CT0023** has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Programming in C# & .Net"** organized by **Department of Computer Science & Technology** from **7th July to 31st July 2024.**

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30 Hours Hybrid Mode Value Added Course
on
"Programming in C# & .Net"

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms**. Abhinav Sinha** bearing USN **ENG22CT0025** has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Programming in C# & .Net"** organized by **Department of Computer Science & Technology** from **7th July to 31st July 2024.**

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30 Hours Hybrid Mode Value Added Course
on
"Programming in C# & .Net"

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms**. B Praveen** bearing USN **ENG22CT0026** has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Programming in C# & .Net"** organized by **Department of Computer Science & Technology** from **7th July to 31st July 2024.**

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30 Hours Hybrid Mode Value Added Course
on
"Programming in C# & .Net"

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms. **D Jayanth** bearing USN **ENG22CT0027** has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Programming in C# & .Net"** organized by **Department of Computer Science & Technology** from **7th July to 31st July 2024.**

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30 Hours Hybrid Mode Value Added Course
on
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CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms. **Dudi Gnana Prasoona** bearing USN **ENG22CT0028** has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Programming in C# & .Net"** organized by **Department of Computer Science & Technology** from **7th July to 31st July 2024.**

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30 Hours Hybrid Mode Value Added Course
on
"Programming in C# & .Net"

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms. **Nishant Kumar Dubey** bearing USN **ENG22CT0030** has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Programming in C# & .Net"** organized by **Department of Computer Science & Technology** from **7th July to 31st July 2024.**

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on
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CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms. **Rishav Aditya** bearing USN **ENG22CT0032** has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Programming in C# & .Net"** organized by **Department of Computer Science & Technology** from **7th July to 31st July 2024.**

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30 Hours Hybrid Mode Value Added Course
on
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CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms. **S.Sarath Chowdary** bearing USN **ENG22CT0034** has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Programming in C# & .Net"** organized by **Department of Computer Science & Technology** from **7th July to 31st July 2024.**

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30 Hours Hybrid Mode Value Added Course
on
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CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms. **V Kedhar Nadh Reddy** bearing USN **ENG22CT0036** has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Programming in C# & .Net"** organized by **Department of Computer Science & Technology** from **7th July to 31st July 2024.**

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30 Hours Hybrid Mode Value Added Course
on
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CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms. **Vishal D** bearing USN **ENG22CT0037** has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Programming in C# & .Net"** organized by **Department of Computer Science & Technology** from **7th July to 31st July 2024.**

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30 Hours Hybrid Mode Value Added Course
on
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CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms. **Yakshith Babu S** bearing USN **ENG22CT0038** has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Programming in C# & .Net"** organized by **Department of Computer Science & Technology** from **7th July to 31st July 2024.**

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30 Hours Hybrid Mode Value Added Course
on
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CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms**. Ahmed Isa Zaweel** bearing USN **ENG22CT0039** has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Programming in C# & .Net"** organized by **Department of Computer Science & Technology** from **7th July to 31st July 2024.**

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30 Hours Hybrid Mode Value Added Course
on
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CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms. **Akshitha.T.O** bearing USN **ENG22CT0040** has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Programming in C# & .Net"** organized by **Department of Computer Science & Technology** from **7th July to 31st July 2024.**

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30 Hours Hybrid Mode Value Added Course
on
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CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms**. Anshul Hiremath** bearing USN **ENG22CT0041** has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Programming in C# & .Net"** organized by **Department of Computer Science & Technology** from **7th July to 31st July 2024.**

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30 Hours Hybrid Mode Value Added Course
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CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms. **Rakshith Ignatius R** bearing USN **ENG22CT0047** has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Programming in C# & .Net"** organized by **Department of Computer Science & Technology** from **7th July to 31st July 2024.**

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30 Hours Hybrid Mode Value Added Course
on
"Programming in C# & .Net"

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms. **Rohan B** bearing USN **ENG22CT0048** has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Programming in C# & .Net"** organized by **Department of Computer Science & Technology** from **7th July to 31st July 2024.**

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30 Hours Hybrid Mode Value Added Course
on
"Programming in C# & .Net"

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms**. Vivek Kumar** bearing USN **ENG22CT0051** has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Programming in C# & .Net"** organized by **Department of Computer Science & Technology** from **7th July to 31st July 2024.**

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30 Hours Hybrid Mode Value Added Course
on
"Programming in C# & .Net"

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms. **Yamuna V** bearing USN **ENG22CT0052** has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Programming in C# & .Net"** organized by **Department of Computer Science & Technology** from **7th July to 31st July 2024.**

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30 Hours Hybrid Mode Value Added Course
on
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CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms. **K. Manojkumar** bearing USN **ENG22CT0053** has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Programming in C# & .Net"** organized by **Department of Computer Science & Technology** from **7th July to 31st July 2024.**

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School of Engineering

Devarakaggalahalli, Harohalli Kanakapura Road, Ramanagara, Karnataka - 562112

DEPARTMENT OF COMPUTER SCIENCE AND TECHNOLOGY

REPORT FOR

VALUE ADDED COURSE

ON

"ANDROID APPLICATION DEVELOPMENT"

Mode of conduction: Hybrid mode using zoom, google meet and CST Lab

Target Audience: 7th Semester Students – Department of CS&T

Faculty: Prof. Vinayaka V. M., Assistant Professor, Dept. of CS&T

Dates: 25-06-2024 to 23-07-2024

Venue: Dr. Shakuntala Devi Lab, School of Engineering, DSU and Online.

Objectives of the course:

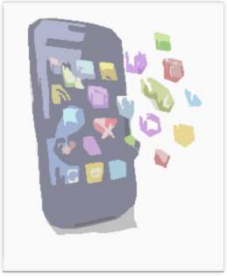
To instill knowledge of Android's Development Environment

To introduce Android SDK to the students

To imbibe knowledge of User Interfaces

To inculcate techniques to use Intents and Services

To throw light on Storing and Retrieving Data in Android



Syllabus:

Module 1: JAVA Basics: Why java in android application development, How java works, Sample Java programs, Datatypes and Keywords in Java, Class and Objects in Java, Example of a House class and Objects, Operators in Java, Program showing use of all the operators in Java, Method means what?, Know about important keywords 'public', 'static', 'void', Access Specifiers in Java, Conditional statements, Looping statements, Inheritance, Interfaces.

Module 2: What is Android? Installing Prerequisite software for Android application development; What do you need to develop applications that run on Android? Minimum Hardware Requirement, Downloading and Installing Android Studio, Android SDK, and Android Virtual Device.

Module 3: Android Development Framework, Major Tools Required (Android Development Environment), popular frameworks for Android development, Android Development Environment, Android SDK, Android Virtual Device (AVD), Types of Android Apps by Functionality, Types of Android Apps by Development Approach; Build your first Android app using SDK, Android releases and API levels, Anatomy of an Android App project.

Module 4: Activities; Make an app interactive, Gradle: Building an Android app, Android Application Components and Building User Interface, Android styling, Typography, Material Design, Material Components, Localization, User Interfaces and Layouts, Constraint Layout, Additional topics for Constraint Layout, Linear Layout, UI Components, Intents and Services, Multiple activities and intents, App bar, navigation drawer, and menus, Fragments.

Module 5: Navigation within an app; Passing data to Intents, Navigation UI, Kotlin basics, Operators, Data types, Variables, Conditionals, Lists and arrays, Null safety, Functions in Kotlin, Classes and objects, Using Kotlin to Develop Application Architecture (UI layer), Android app architecture, View Model, Data binding, Live Data, Testing applications, Firebase, Dart and Flutter.

Course Outcomes: After successfully completing the course, students will be able to

*Create, test and debug Android application by setting up Android development environment.

*Implement adaptive, responsive user interfaces that work across a wide range of devices.

*Infer long running tasks and background work in Android applications.

*Demonstrate methods in storing, sharing and retrieving data in Android applications.

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PART I: Preparations for the conduction of Value-Added Course

The Value-Added Course for the final year students was planned in the department.

To give insights of new technology and hands on experience to the students, catering their needs for Final Year Project. The Chair Person identified the area of interests for the students and the Value-Added Course on Android Application Development was designed by Prof. Vinayaka V.M., Dept. of Computer Science and Technology, School of Engineering, Dayananda Sagar University.

Preparation of Brochure and Plan of Schedule, communicating the course details to students

Brochure



Initial Schedule:

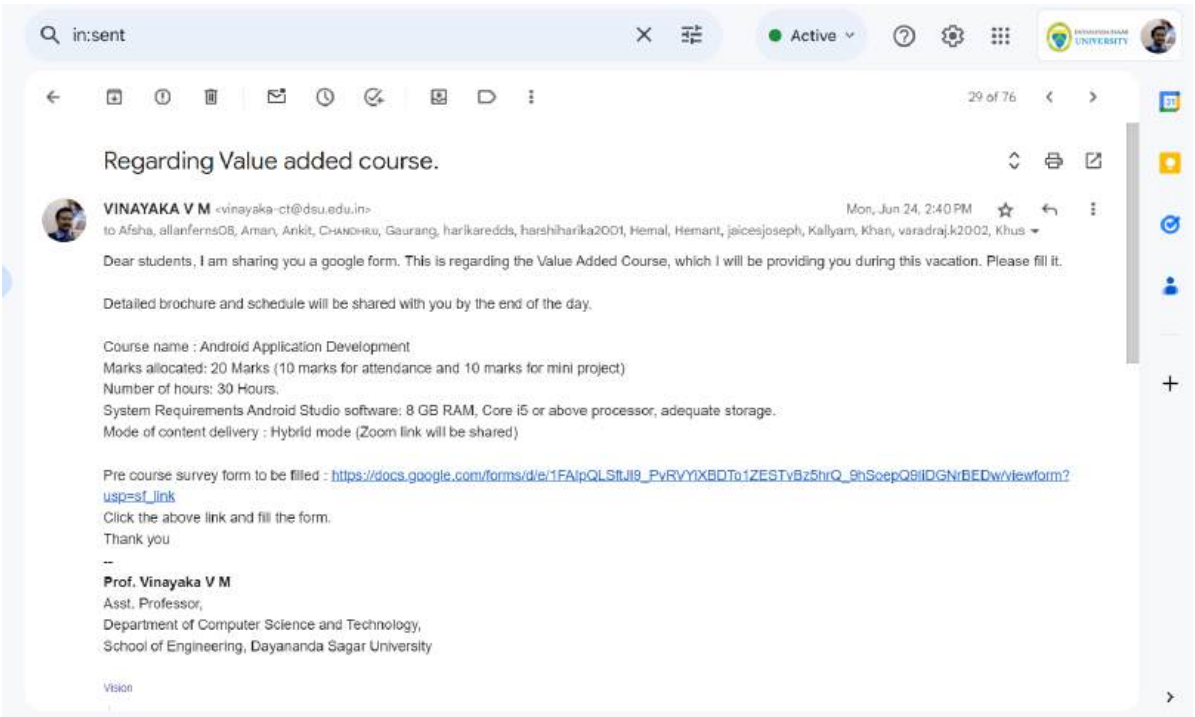


SCHEDULE FOR THE VALUE-ADDED COURSE

Sl. No.	Date	Content	Marks : 20 (Attendance + Mini project)
1	25-06-2024	Introduction Class	
2	26-06-2024 (FN)	JAVA Basics for Android Development	
3	26-06-2024 (AN)	JAVA continued..	
4	27-06-2024	What is Android? Installing the prerequisite software	
5	28-06-2024	Android OS and Features – Android development framework;	
6	29-06-2024	Installing and running applications on Android Studio, Creating AVDs, Types of Android application	
7	30-06-2024	Online office hours. Doubt solving session.	
8	01-07-2024	Android's Development Environment	
9	02-07-2024	Android SDK	
10	03-07-2024	User Interface:	
11	04-07-2024 (FN)	Android application components – Android Manifest file, Externalizing resources like Simple Values, Drawables, Layouts, Menus, etc,	
12	04-07-2024 (AN)	Building User Interfaces: Fundamental Android UI design,	
13	05-07-2024 (FN)	Layouts – Linear, Relative, Grid and Table Layouts. User Interface (UI) Components	
14	05-07-2024 (AN)	Intents and Services. Using intents to launch Activities, Types of Intents,	
15	08-07-2024	Passing data to Intents, Getting results from Activities	
16	09-07-2024 (FN)	Broadcast Receivers – Using Intent filters to service implicit Intents, Resolving Intent filters	
17	09-07-2024 (AN)	Doubts clearing session	
18	10-07-2024	Storing and Retrieving Data	
19	11-07-2024	Creating application to design a visiting card	
20	12-07-2024	Developing android application using Control buttons	
21	13-07-2024	Creating Sign up and Sign in activity	
22	14-07-2024	Online office hours. Doubts solving session.	
23	15-07-2024	Creating an application to set wallpaper	
24	16-07-2024	Creating an application for counter	
25	17-07-2024 (FN)	Dealing with XML and JSON files	
26	17-07-2024 (AN)	Mini Project Plan	
27	18-07-2024	Converting text to speech	
28	19-07-2024	Creating phone dialer with Call and Save buttons	
29	20-07-2024	Open ended project	
30	21-07-2024	Assignment Evaluation by peers	

Inviting students for the Android Application Development Value Added Course

Shared Pre-Course Survey, details of the course, Brochure and the schedule of the planned course through email on 24th June, 2024



in:sent

Active

29 of 76

Regarding Value added course.

VINAYAKA V M <vinayaka-ct@dsu.edu.in> Mon, Jun 24, 2:40 PM

to Afsha, allanfernsOB, Aman, Ankit, CHANDHRU, Gaurang, harikaredds, harshiharika2001, Hemal, Hemant, jaicesjoseph, Kallyam, Khan, varadraj.k2002, Khus

Dear students, I am sharing you a google form. This is regarding the Value Added Course, which I will be providing you during this vacation. Please fill it.

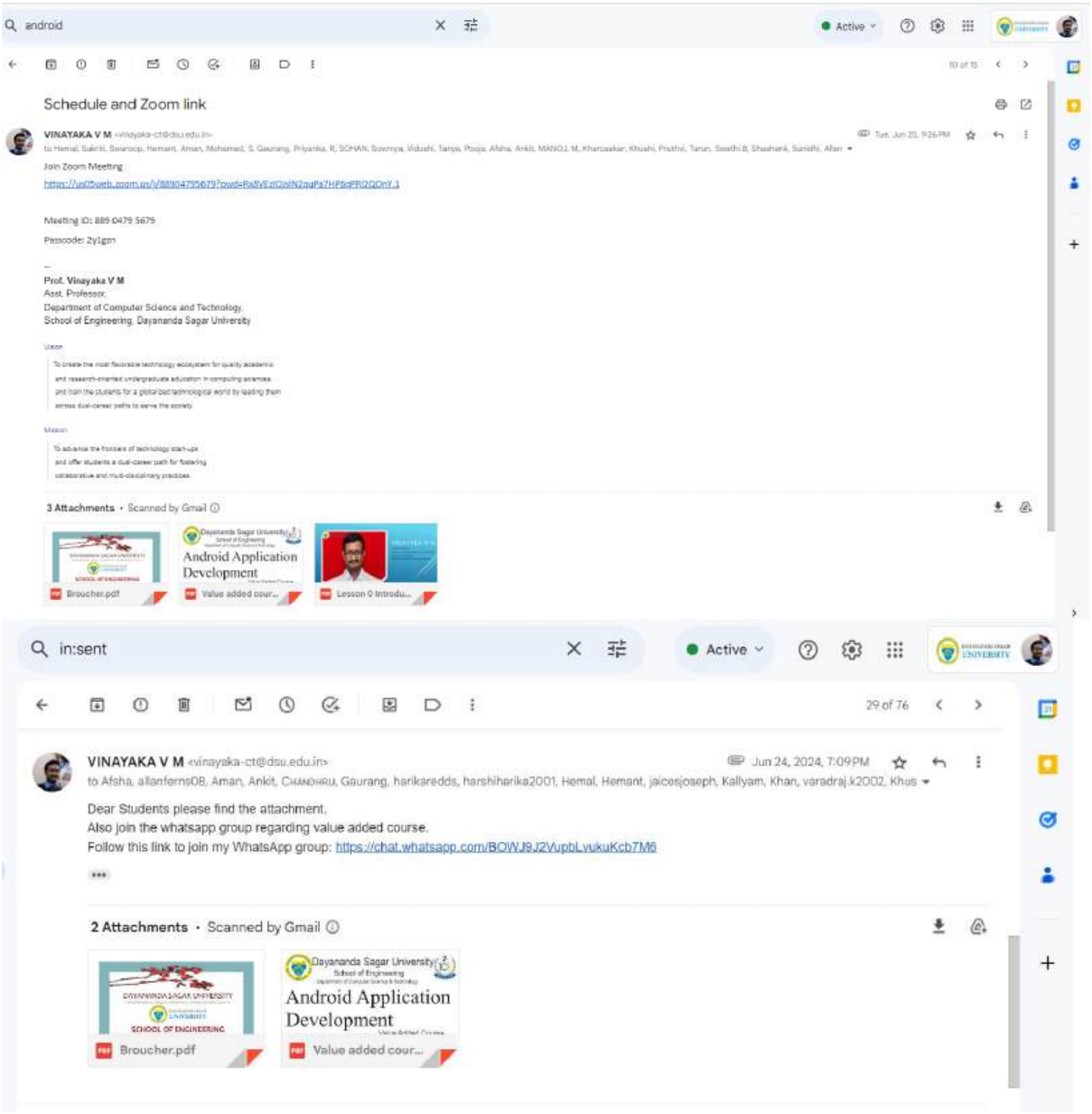
Detailed brochure and schedule will be shared with you by the end of the day.

Course name : Android Application Development
Marks allocated: 20 Marks (10 marks for attendance and 10 marks for mini project)
Number of hours: 30 Hours.
System Requirements Android Studio software: 8 GB RAM, Core i5 or above processor, adequate storage.
Mode of content delivery : Hybrid mode (Zoom link will be shared)

Pre course survey form to be filled : https://docs.google.com/forms/d/e/1FAIpQLSftJI9_PvRVYlXBDTo1ZESTvBz5hrQ_9hSoepQ9ilDGNrBEDw/viewform?usp=sf_link
Click the above link and fill the form.
Thank you
--
Prof. Vinayaka V M
Asst. Professor,
Department of Computer Science and Technology,
School of Engineering, Dayananda Sagar University

Vision

Registration Link and the WhatsApp Group invitation link was shared via email.



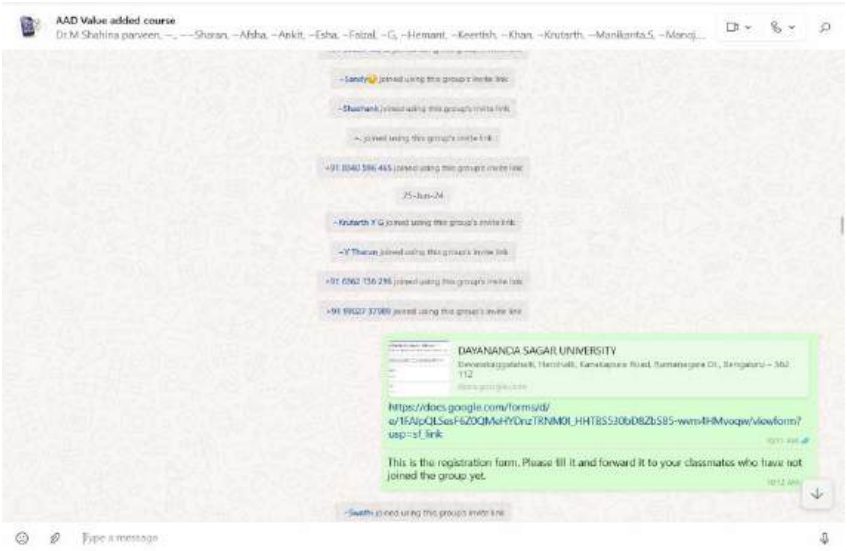
New Schedule Communicated to the Students

Based on the first day interaction with students, new schedule was prepared and sent via email.



Remainder for Registration was sent

As all the students who had joined the WhatsApp group, had not registered for the course, the registration link was sent via the WhatsApp group to remind the students for registration.

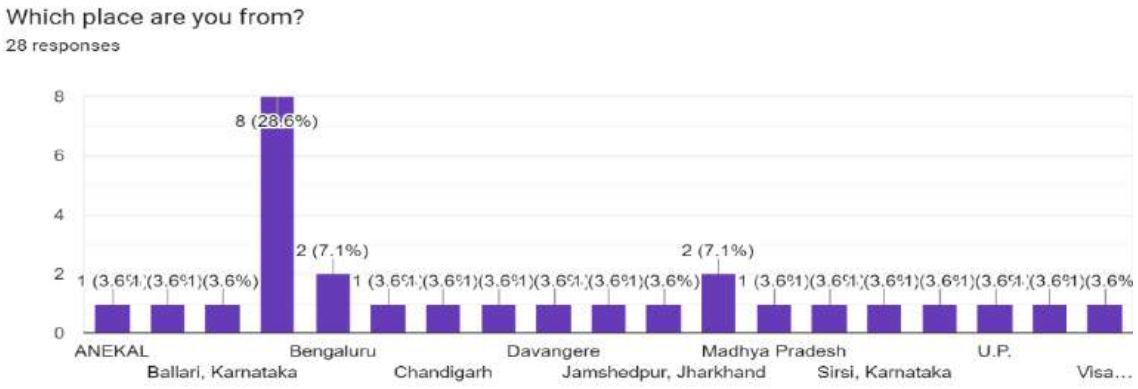


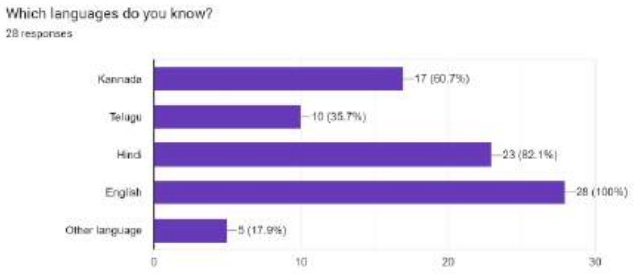
Registration Details

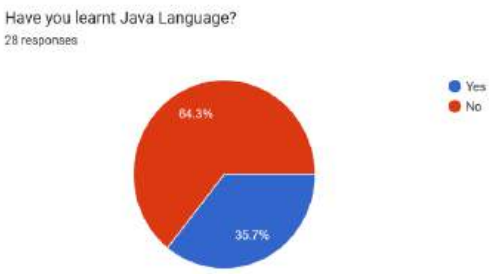
There were 28 registrations at the beginning, after the completion of a week of course registrations increased to 42, later 2 more students joined.

Pre-Course Survey

There were 28 responses for the Pre-course Survey





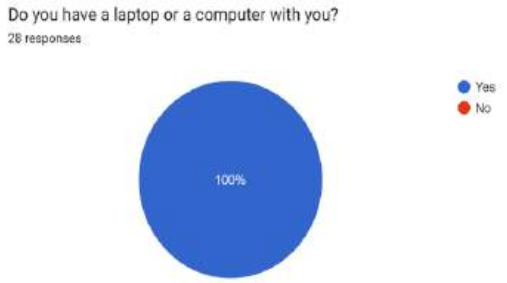


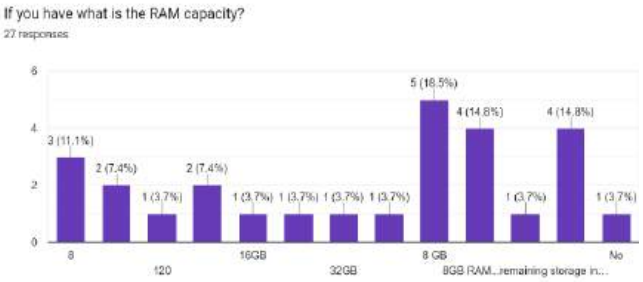
What do you know about Android?

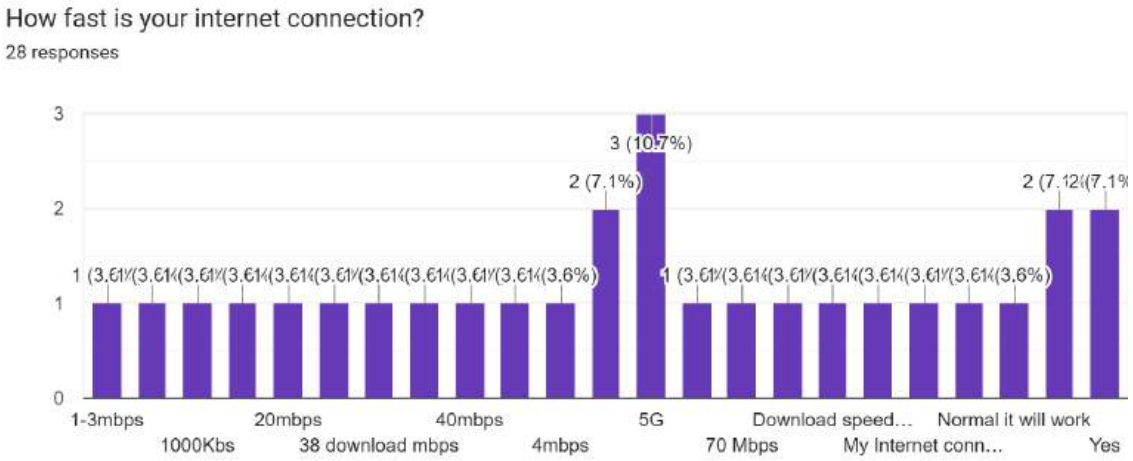
Answer from the students: It's a device which helps our work more easy and efficient; Android is a mobile OS developed by Google; It's open-source, allowing anyone to modify and distribute it; The Google Play Store is the main app marketplace, offering millions of apps; Android is highly customizable, with frequent updates improving features and security. Apps are developed using Java or Kotlin in Android Studio; Best Android phone is Google Pixel. Its a open source software based on linux; Android is an open source and Linux-based Operating System for mobile devices such as smartphones and computers; Android is a mobile operating system that runs on our smartphones and tablets; YES; Nothing; Its An operating system helps a Devices to do tasks; Operating software on majority of the smartphones; A mobile operating system designed for touchscreen devices like smartphones and tablets; It is Mobile OS; It's a operating system of mobile. It performs computational operations of mobile; Its my mobile phone's os; A mobile operating system; It is a version of Linux Kernel and other open source software; Android is a mobile operating system designed primarily for touchscreen mobile devices such as smartphones and tablets; Its an operating system; Android is an open-source operating system developed by Google, designed primarily for touchscreen mobile devices such as smartphones and tablets.

Further to Know the Feasibility

These questions were asked to know whether the students have access to internet and hardware so that the course can be offered to those who have gone to their native during the vacation.







Registrations Summary

Sl.No.	USN	NAME	Date of Registration
1	ENG21CT0001	Afsha Rather	25-06-24 12:12
2	ENG21CT0002	Allan Dsouza	05-07-24 12:13
3	ENG21CT0003	Aman Raj	25-06-24 10:15
4	ENG21CT0004	Ankit Singh	25-06-24 10:34
5	ENG21CT0006	Gaurang Goyal	25-06-24 11:04
6	ENG21CT0008	Harshitha R	25-06-24 10:22
7	ENG21CT0009	Hemal S	05-07-24 11:47
8	ENG21CT0010	Hemanth Sudarshan	05-07-24 16:41
9	ENG21CT0013	Khan Samim Masud	06-07-24 11:09
10	ENG21CT0014	Kharosekar Varadraj A	25-06-24 11:22
11	ENG21CT0015	Khushi Shah	25-06-24 10:13
12	ENG21CT0016	Krutharth Y G	05-07-24 11:48
13	ENG21CT0017	Sowmya	25-06-24 10:13
14	ENG21CT0018	Lavanya R	04-07-24 12:23
15	ENG21CT0019	Likhith H	25-06-24 10:29
16	ENG21CT0020	M Esha Reddy	04-07-24 11:06
17	ENG21CT0023	Manoj Kumar R	04-07-24 11:06
18	ENG21CT0024	Manoj N	25-06-24 10:15
19	ENG21CT0027	Nanditha. N	25-06-24 10:15
20	ENG21CT0028	Niharika R	25-06-24 12:32
21	ENG21CT0029	Pooja V M	25-06-24 11:08
22	ENG21CT0030	Priyanka Sharma	25-06-24 10:29
23	ENG21CT0031	Pruthvi S	25-06-24 10:03
24	ENG21CT0032	R Keertish Kumar	25-06-24 11:56
25	ENG21CT0033	Raja Kumar	26-06-24 6:55
26	ENG21CT0034	Sarah Catherine	05-07-24 13:32
27	ENG21CT0035	S A Sharan Veronica	25-06-24 13:20
28	ENG21CT0036	Shashank Hegde	25-06-24 11:08
29	ENG21CT0037	Sohan R Vernekar	04-07-24 11:01
30	ENG21CT0038	Sohana R	25-06-24 10:34
31	ENG21CT0039	Sukriti Srinivasa	26-06-24 11:25
32	ENG21CT0040	Sunidhi	25-06-24 11:16
33	ENG21CT0041	Swaroop K R	05-07-24 11:51
34	ENG21CT0042	Swathi.B	25-06-24 10:36
35	ENG21CT0043	Swathi S	04-07-24 11:05
36	ENG21CT0044	Tanya Singh	25-06-24 10:48
37	ENG21CT0045	Tarun Pradeep Kumar	26-06-24 15:49
38	ENG21CT0046	Vandana MV	04-07-24 11:03
39	ENG21CT0047	Vedant Ransingh	25-06-24 10:31
40	ENG21CT0048	Vidushi Modi	05-07-24 11:48
41	ENG22CT1002	Sandesh Shet	25-06-24 11:06
42	ENG22CT1003	V Tharun	25-06-24 11:06
43	ENG22CT1002	Sandesh Shet	25-06-24 11:06
44	ENG22CT1003	V Tharun	25-06-24 11:06

PART II: Execution Of the Value-Added Course

The course was conducted as per the plan with slight modifications in the schedule.

Date and Time	25-06-24 3:30 to 4:30 PM	26-06-24 11:00 AM to 12:00 PM	26-06-24 3:00 to 4:00 PM	27-06-24 3:00 to 4:00 PM
Program Topic Covered	Pre-Requisites and the Introduction	Basics of Java Required for Android Programming	Java Journey Continued	Prerequisite software for Android application development; Minimum Hardware Requirement, Downloading and Installing
Date and Time	28-06-24 3:30 to 4:30 PM	29-06-24 3:30 to 4:30 PM	01-07-24 11:00 AM to 12:00 PM	01-07-24 3:30 to 4:30 PM
Program Topic Covered	What is Android? Android Studio, Android SDK, and Android Virtual Device	Android Development Framework, Major Tools Required (Android Development Environment), popular frameworks for Android development, Android Development Environment,	Types of Android Apps by Development Approach; Build your first Android app using SDK, Android releases and API levels, Anatomy of an Android App project	Activities; Make an app interactive, Gradle: Building an Android app, Android Application Components
Date and Time	02-07-24 3:30 to 4:30 PM	04-07-24 11:00 AM to 12:00 PM	04-07-24 3:00 to 4:00 PM	05-07-24 11:00 AM to 12:00 PM
Program Topic Covered	Building User Interface, Doubt solving and Demonstration	Creating application to design a visiting card	Android styling, Typography, Material Design, Material Components, Localization	User Interface and Layouts, Constraint Layout, Additional topics for Constraint Layout
Date and Time	05-07-24 3:30 to 4:30 PM	06-07-24 3:00 to 4:00 PM	07-07-24 3:00 to 4:00 PM	08-07-24 3:00 to 4:00 PM
Program Topic Covered	Linear Layout, UI Components	Intents and Services, developing android application using Control buttons, Navigation within an app;	Creating Sign up and Sign in activity	Passing data to Intents, Navigation UI, Multiple activities and intents, App bar, navigation drawer, and menus, Fragments

Date and Time	09-07-24 11:00 AM to 12:00 PM	09-07-24 12:00 to 1:00 PM	10-07-24 11:00 AM to 12:00 PM	10-07-24 12:00 to 1:00 PM
Program Topic Covered	Kotlin basics, Operators, Data types, Variables, Conditionals, Lists and arrays, Null safety,	Functions in Kotlin	Classes and objects,	Broadcast Receivers – Using Intent filters to service implicit Intents
Date and Time	11-07-24 11:00 AM to 12:00 PM	11-07-24 12:00 to 1:00 PM	17-07-24 11:00 AM to 12:00 PM	17-07-24 12:00 to 1:00 PM
Program Topic Covered	Storing and Retrieving Data	Practice and Doubt clearing session	Creating an application to set wallpaper	Creating an application for counter
Date and Time	18-07-24 11:00 AM to 12:00 PM	18-07-24 12:00 to 1:00 PM	19-07-24 11:00 AM to 12:00 PM	20-07-24 11:00 AM to 12:00 PM
Program Topic Covered	Dealing with XML and JSON files	Resolving Intent filters	Using Kotlin to Develop Application Architecture (UI layer)	Converting text to speech; Creating phone dialer with Call and Save buttons
Date and Time	22-07-24 12:00 to 1:00 PM	23-07-24 12:00 to 1:00 PM	23-07-24 To 30-07-2024	31-07-24 4:00 to 4:30 PM
Program Topic Covered	Android app architecture, View Model, Data binding, Live Data	Testing applications Further Reading assigned: Firebase, Dart and Flutter	Open Ended Project	Assignment Evaluations, Class for missed out students & Final Quiz

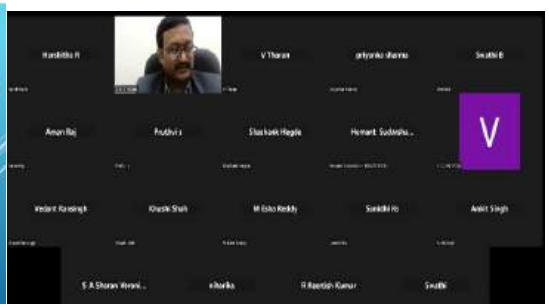
The course material was timely delivered to the students via the WhatsApp group.

The course was delivered using PPTs, and live demonstrations, quiz was conducted to ensure the students were following the instructor, and online office hours were scheduled on Sundays to clear the doubts of the students who were attending the course online.

Session wise report

The first session conducted was an Introduction Session on 25-06-24 at 3:30 to 4:30 PM.





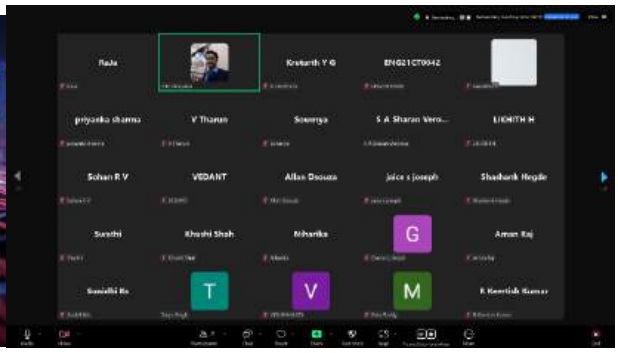
The Pre-Requisites and the Introduction

On this day the pre requisites of the course and Software Installation Process was discussed along with the brief introduction of the instructor of the course and the students.

The Second Day

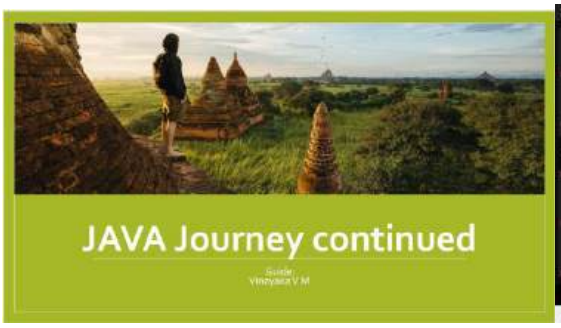
On 26-06-24 Basics of Java Required for Android Programming was taught.

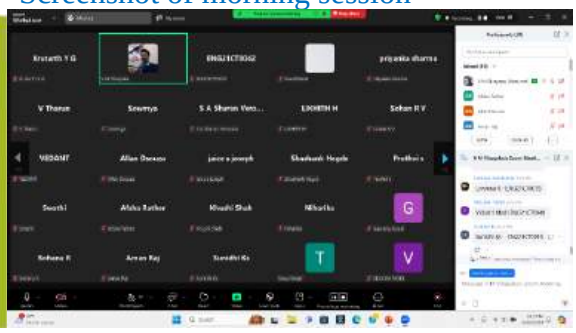






Screenshot of morning session





Screenshot of afternoon session

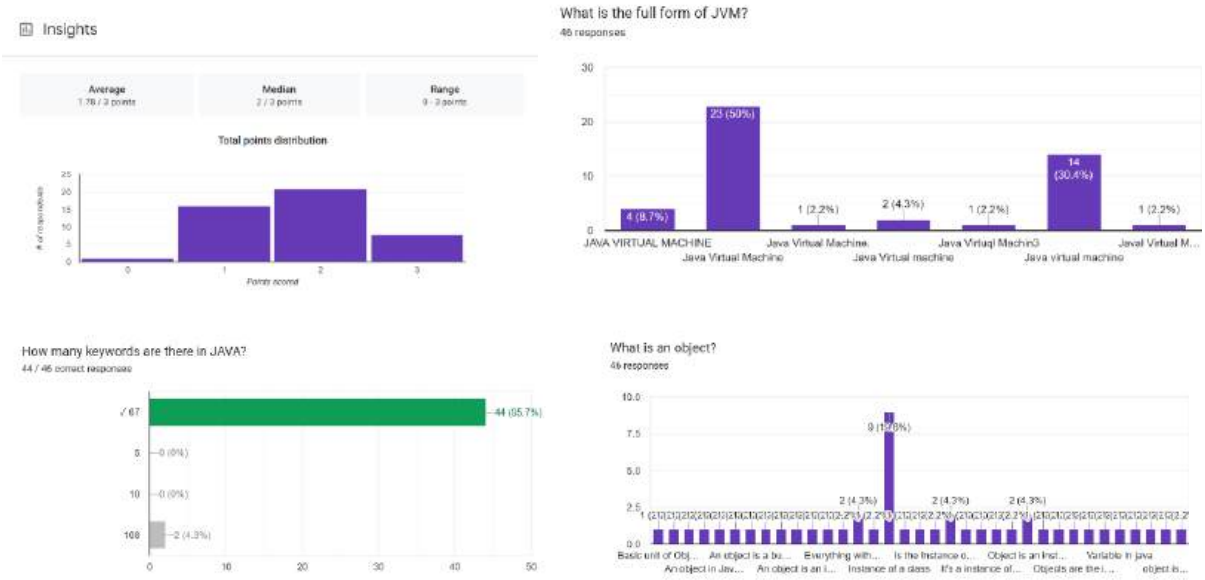
Key takeaways

In these two sessions the following content was covered

- Why JAVA in Android Application Development?
- How JAVA works?
- Simple Java programs
- Data types and Keywords in JAVA
- Class and Objects in JAVA
- Operators in JAVA
- Methods
- public, static, void keywords
- Access Specifiers in JAVA
- Conditional Statements
- Looping Statements
- Inheritance
- Interface

At the end of the session students were given an activity to install the prerequisites.

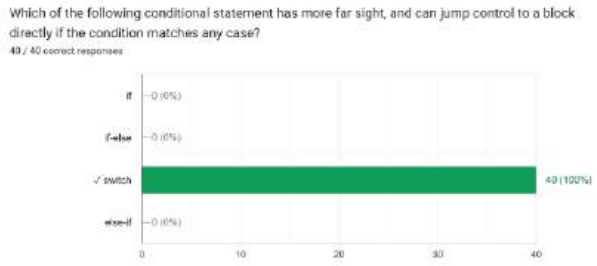
A quiz was conducted during the session

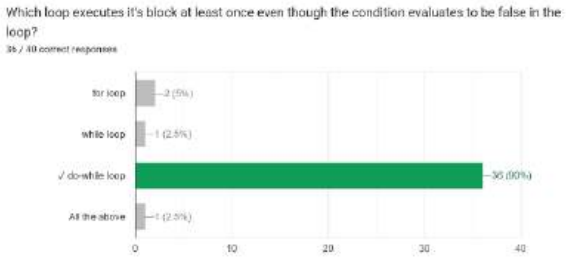


Almost all the answers were correct and the students were following the session properly.

The second quiz in the afternoon session :







It was observed that some students did not understand, some of the concepts properly and hence those concepts were repeated and the confusion was resolved.

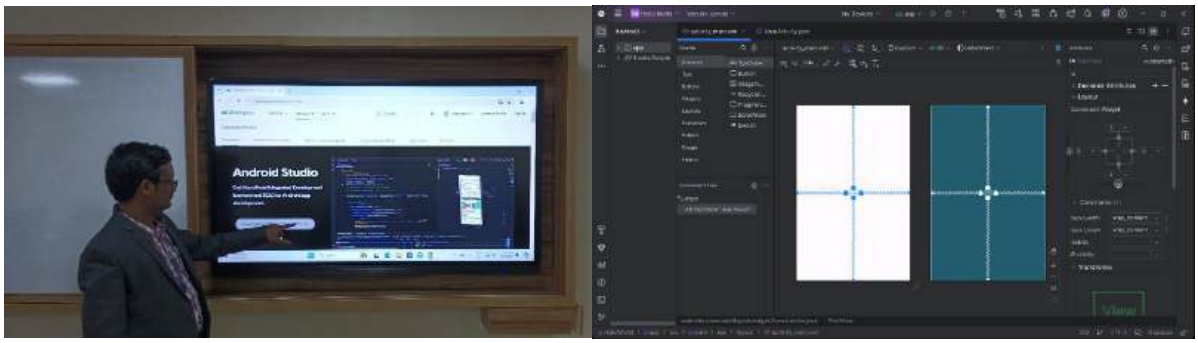
Students were given the material for study via WhatsApp group and were told to go through the handouts and download and keep the software required for practice ready, thus preparing for the following sessions.

Activity to download and install the Android Studio, Android SDK and the Android Virtual Device was given.

Android Application Development Sessions

The sessions related to Android Application Development started from 27-06-2024

27th June Afternoon at 3 PM we started with Android Studio and related concepts.

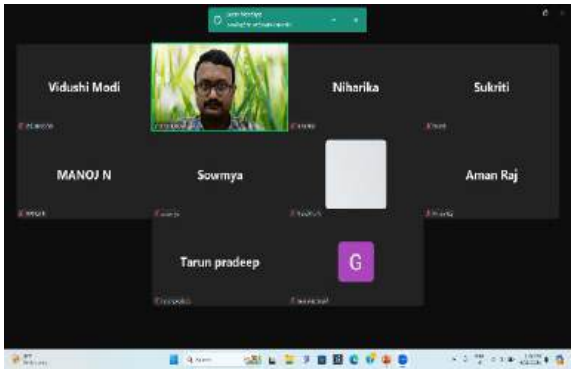


Android Sessions

Introduction to Android

28th June Afternoon 3 PM

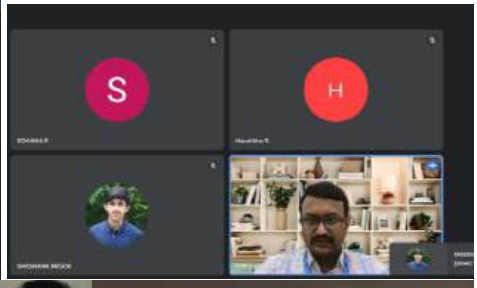


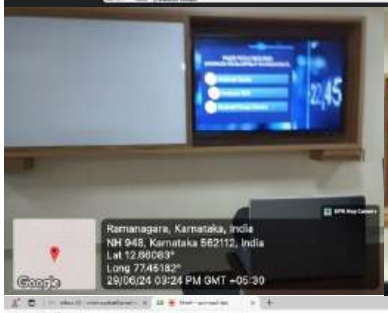




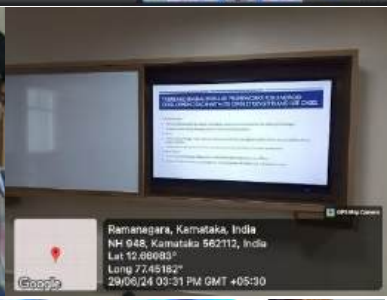
29th June Afternoon Features of Android such as Android Development framework, Android Environment, Android SDK and AVD were discussed:

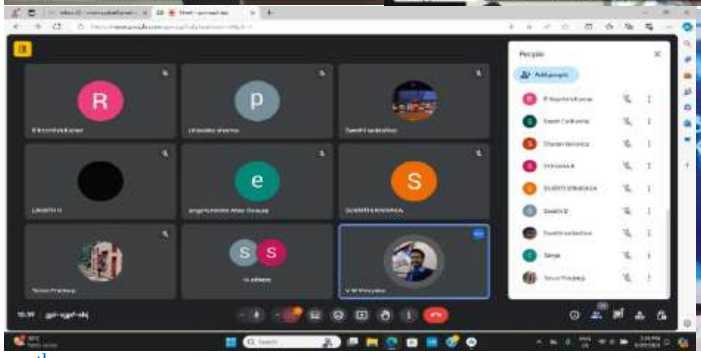






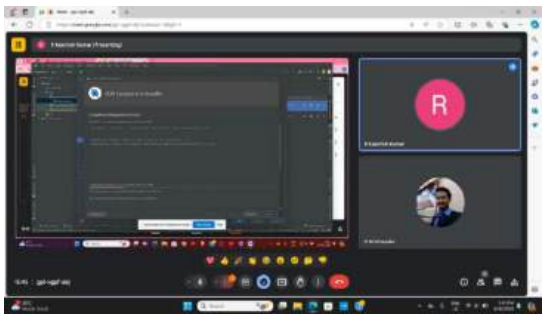


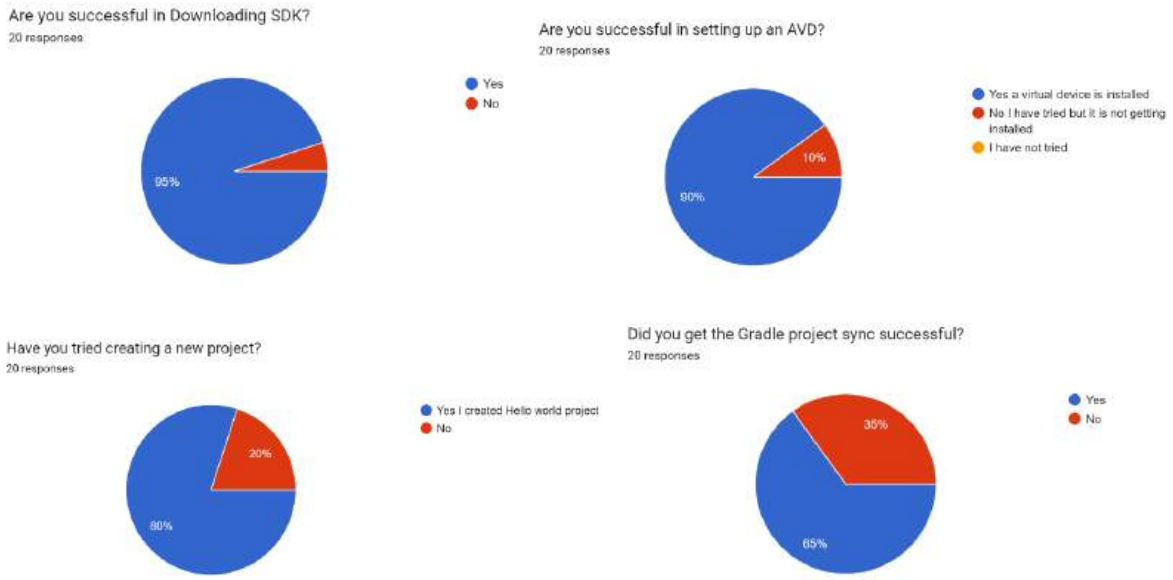






30th June an online doubt clearing session was held to solve the installation related issue resolution for few of the students:

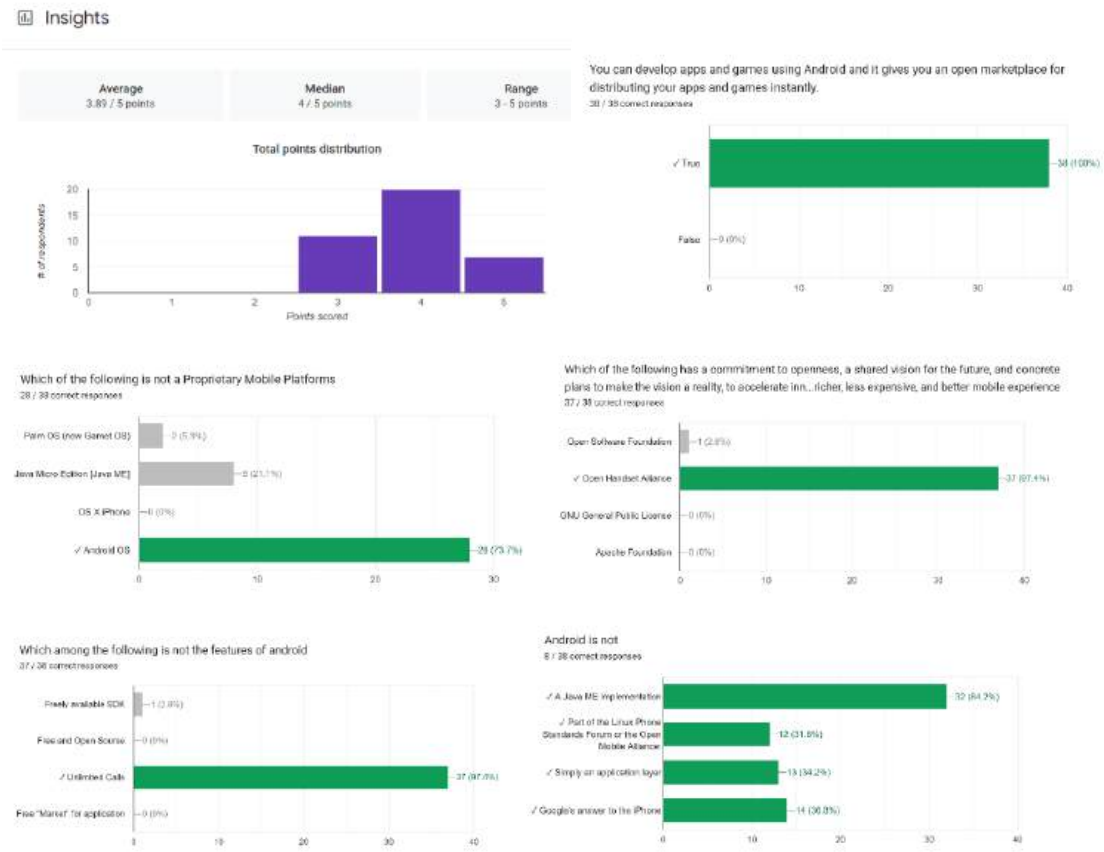




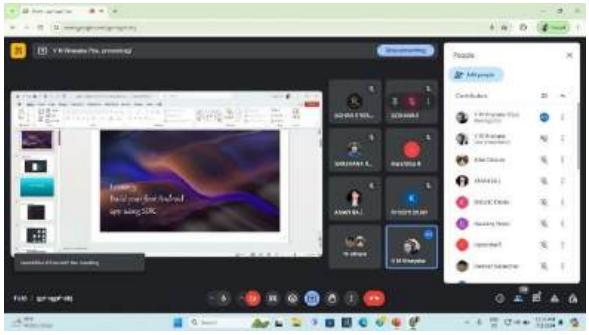
If Gradle project sync was successful what did you see on the design screen?

Answers from the students: Hello world, A virtual device running Android 14, *, A design screen, A design surface, I'll try syncing, No error, Hello World, Hello world with a white background, layout of the screen and user interface (UI) on the design screen, I saw a blank activity with a "Hello World!" text on the design screen, EditText fields.

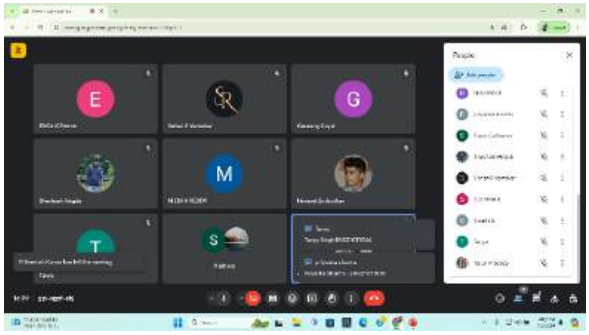
A **quiz** was given **based on the handout students were supposed to read**.



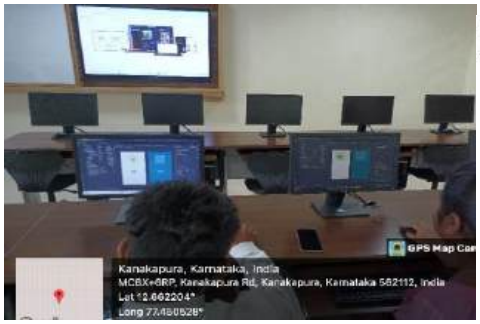
1st July we built the first app using SDK 24 and API level 35 using JAVA and XML:

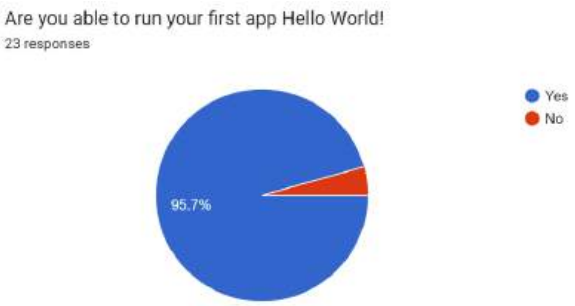


Screenshots of 11 AM session



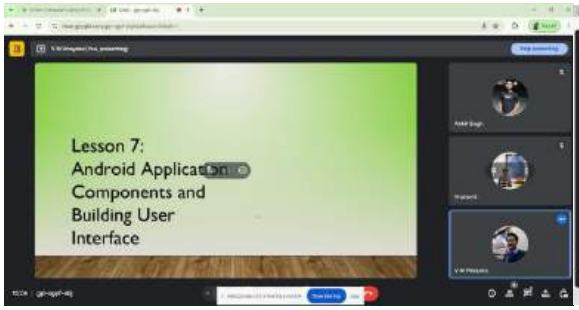
Screenshots of 3 PM session



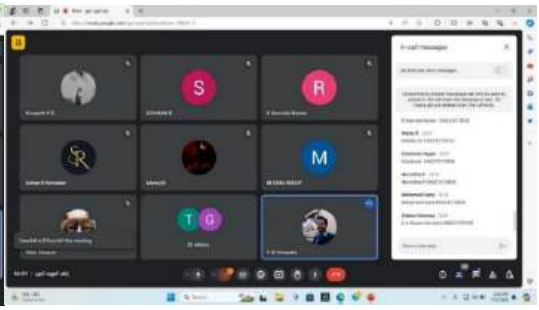


Feedback on the previous session was taken and found that few students had issue with their first app. It was resolved in the subsequent session.

Android Components and Building User Interface was discussed on 2nd July at 3PM:

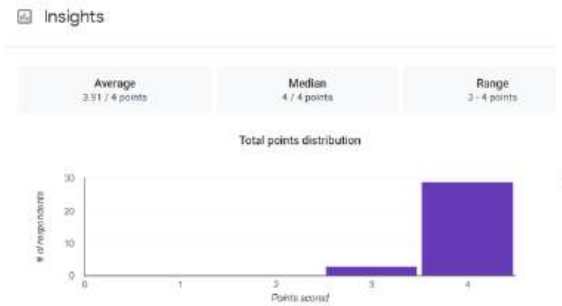


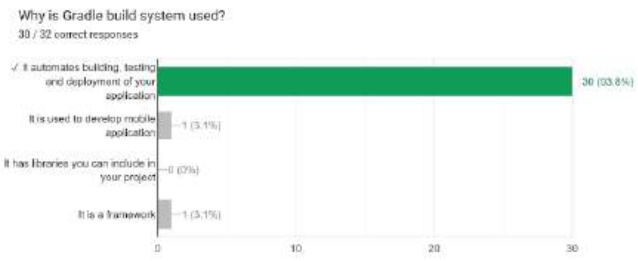
Screen shot taken before the session started

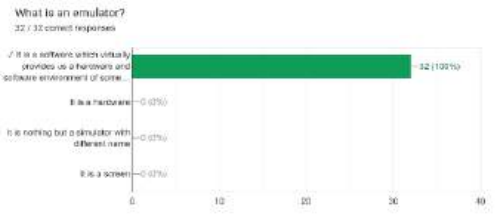


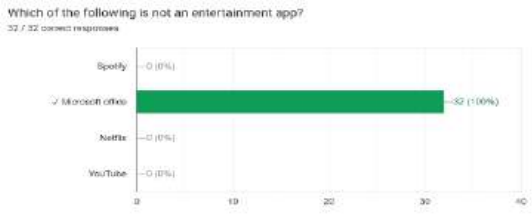
Screen shot taken at the end of session

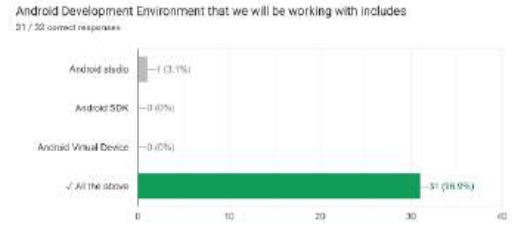
Quiz was conducted during the session to know whether students are following and reading the handouts provided.





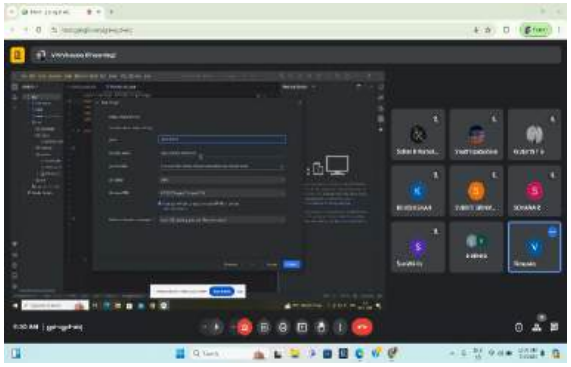


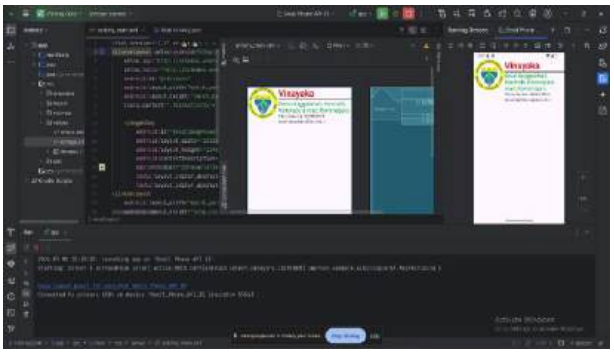


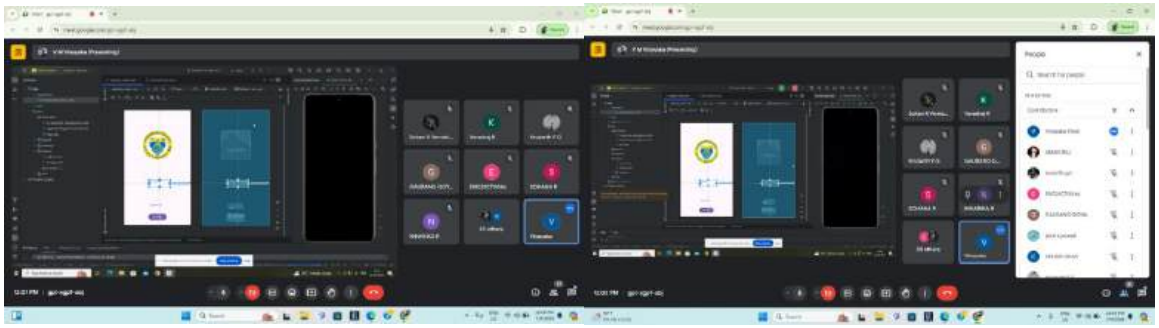


Live Demonstration Session:

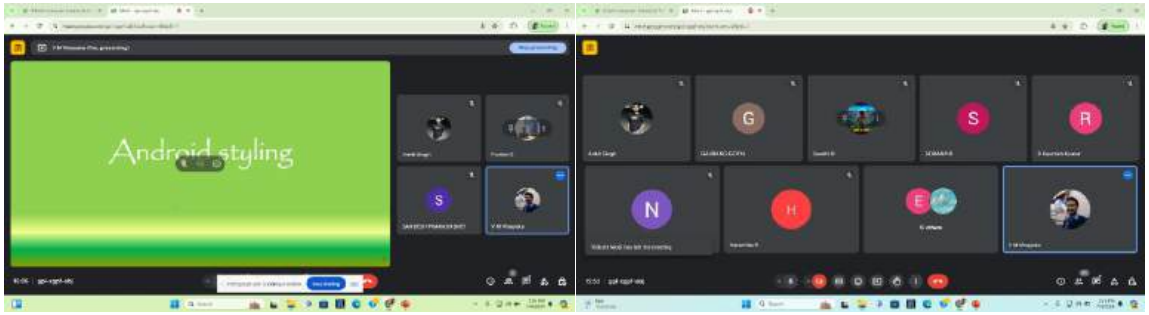
On 4th July at 11 AM we designed visiting card application and at 3 PM we discussed Android Styling:







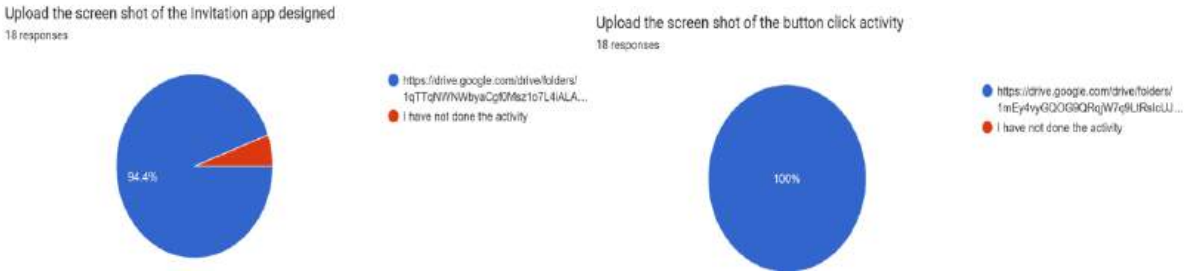
Screen shots of 11 AM session



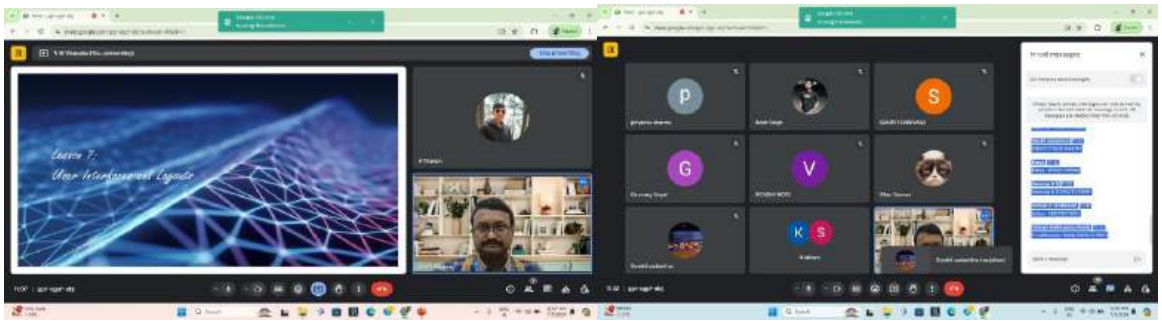
Screen shots of 3 PM session

Activities given

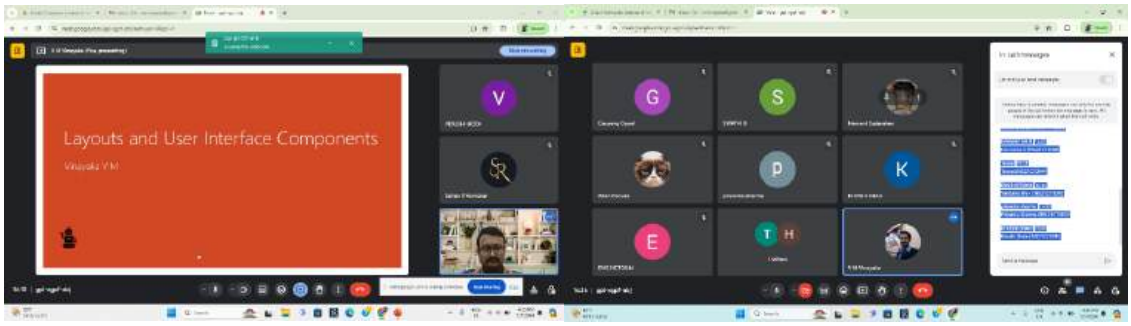
- Activities to design invitation application and button click activity were given.
- Most of the students uploaded the activity screen shots to the google drive.
- Some of them had not done the activity. A follow up was done to know why they had not done the activity and they were encouraged to submit the activity later.



5th July Session was about User Interfaces, Layouts and User Interface Components:



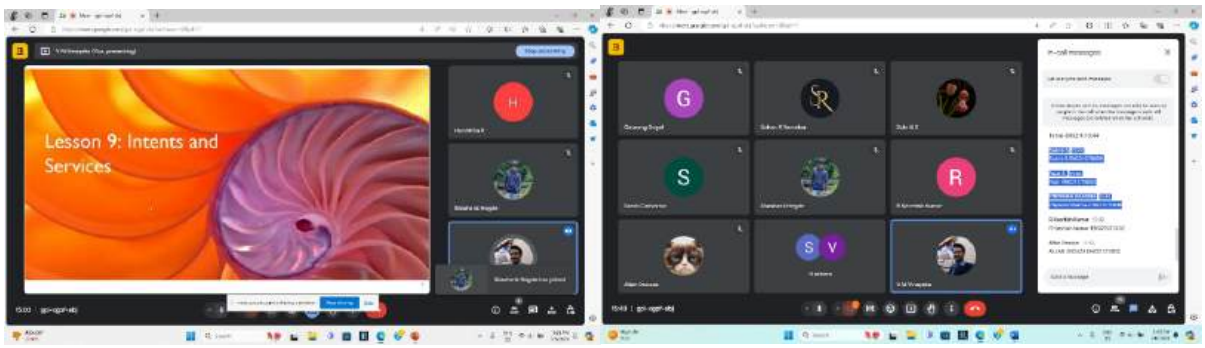
Screen shot taken before the session started Screen shot taken after the session finished



In the 3 PM session we continued with Linear Layout and User Interface Components.

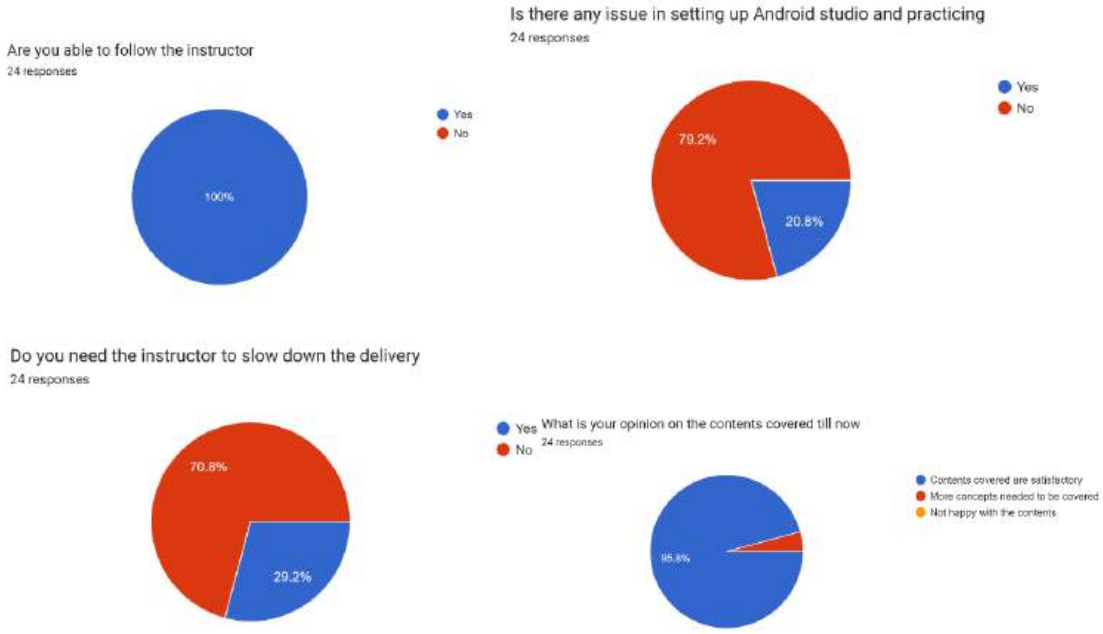
Sessions on Intents and Services:

On 6th July we had a session on intents and services:



Mid-course Feedback

Mid-course feedback was taken



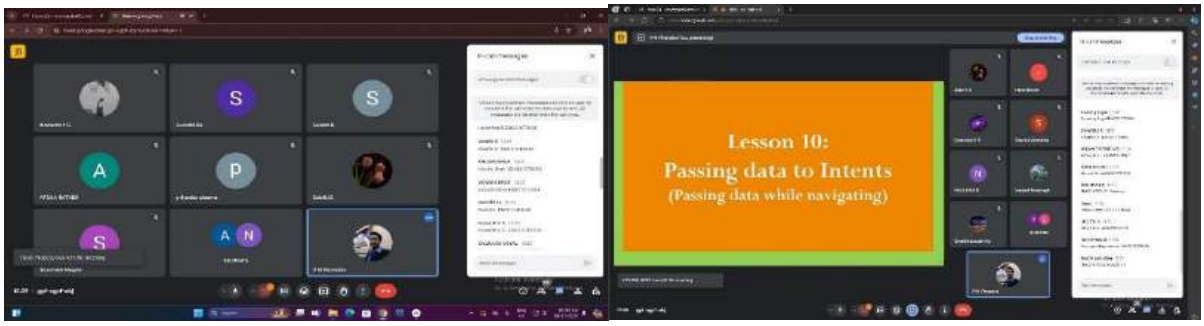
What are the other things you are looking forward in this Value-Added Course?

Students' answers:

I want guidance for an end to end project, N/A, More practical than theory, More practice hour, Quiz, More hands on, Satisfied with existing concepts, Nil.

Based on the feedback with the intent of providing hands on and more concepts few further reading concepts were developed and sent to the students via whatsapp.

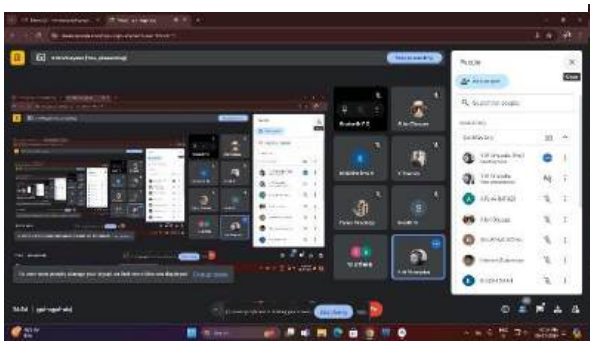
On 8th July at 3 PM intents and services was continued:



From 9th July onwards sessions were conducted at 11 AM and 1 PM continuously:

On 9th July we discussed about passing data from one activity to another via Intents and Kotlin basics

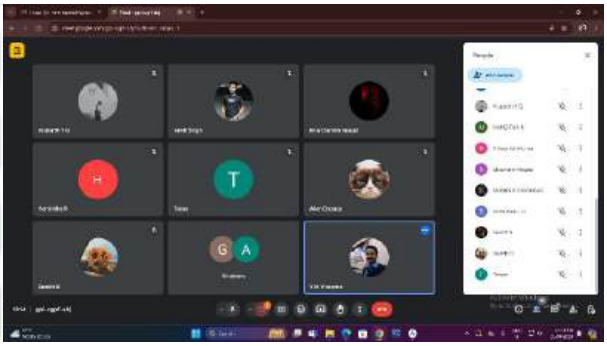






On 10th July we had a brief introduction to Kotlin and how to write functions in Kotlin.

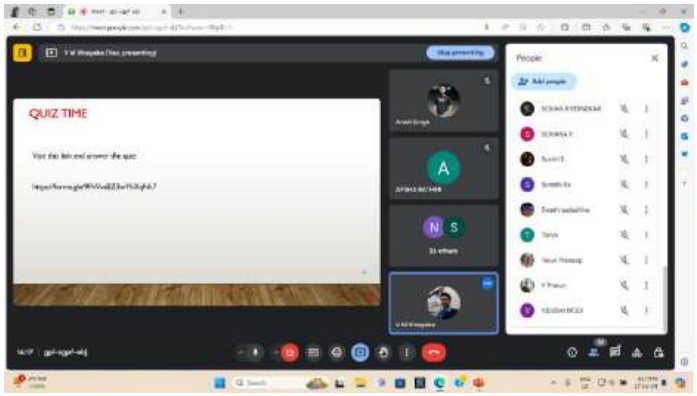


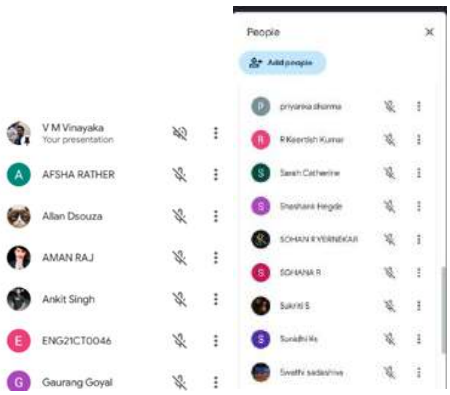


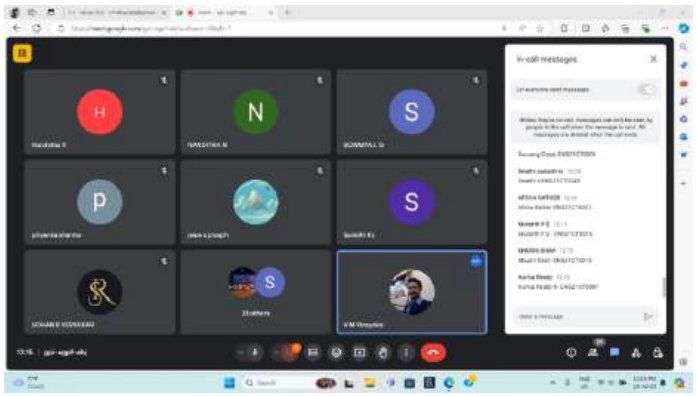
On 11th July we discussed Classes and Objects in Kotlin, and Intents related topics.

5 days times was given for practicing and handouts of the code discussed during the session was sent via the WhatsApp group.

On 17th July we had some practice programs and a quiz.





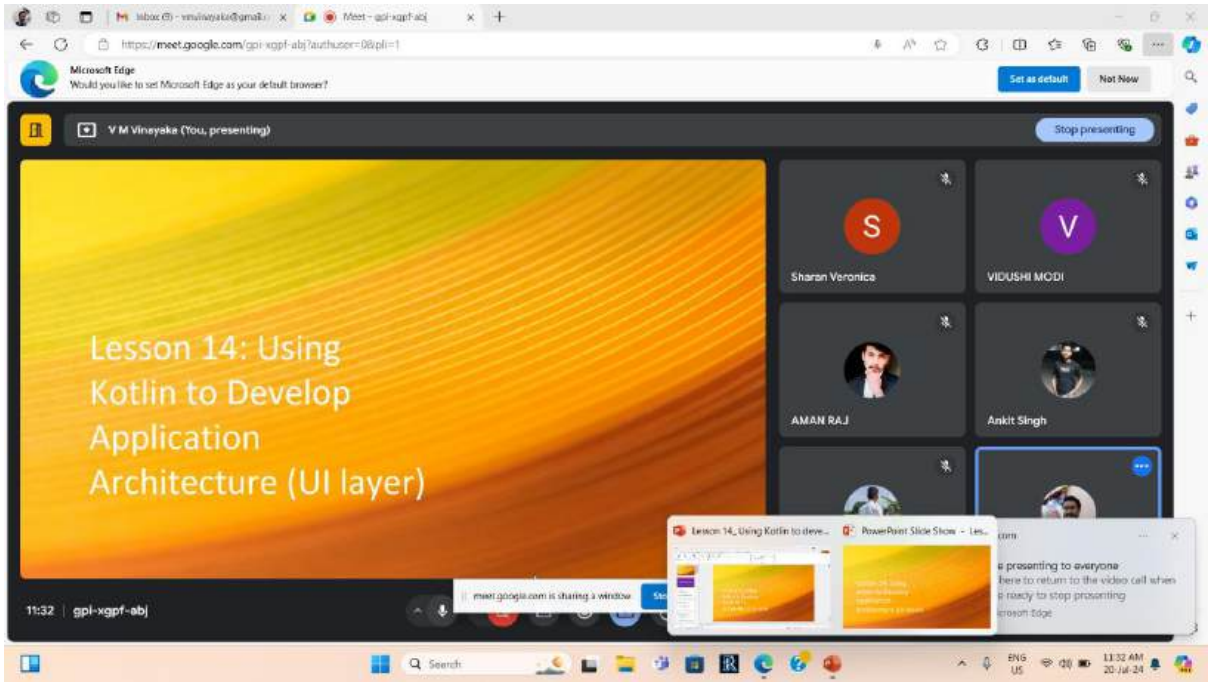


On 18th July we discussed fetching data from XML and JSON files; resolving Intent filters.

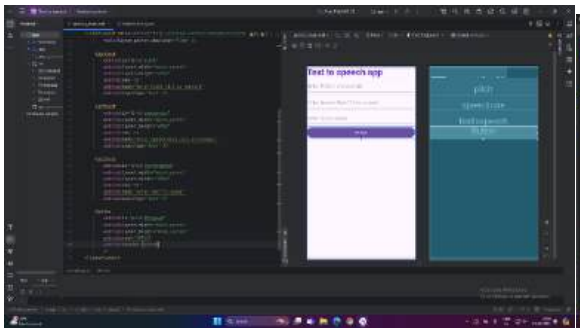
Hands on programs sessions

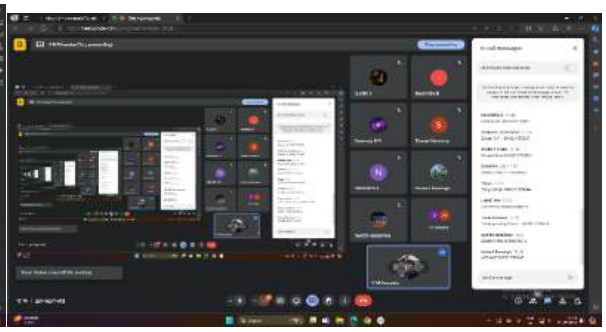
The hands-on session at the lab, along with live in google meet was conducted.

On 19th July we had a discussion on Using Kotlin to Develop Application Architecture and continued with some practice.



On 20th July we created an app to convert text to speech.

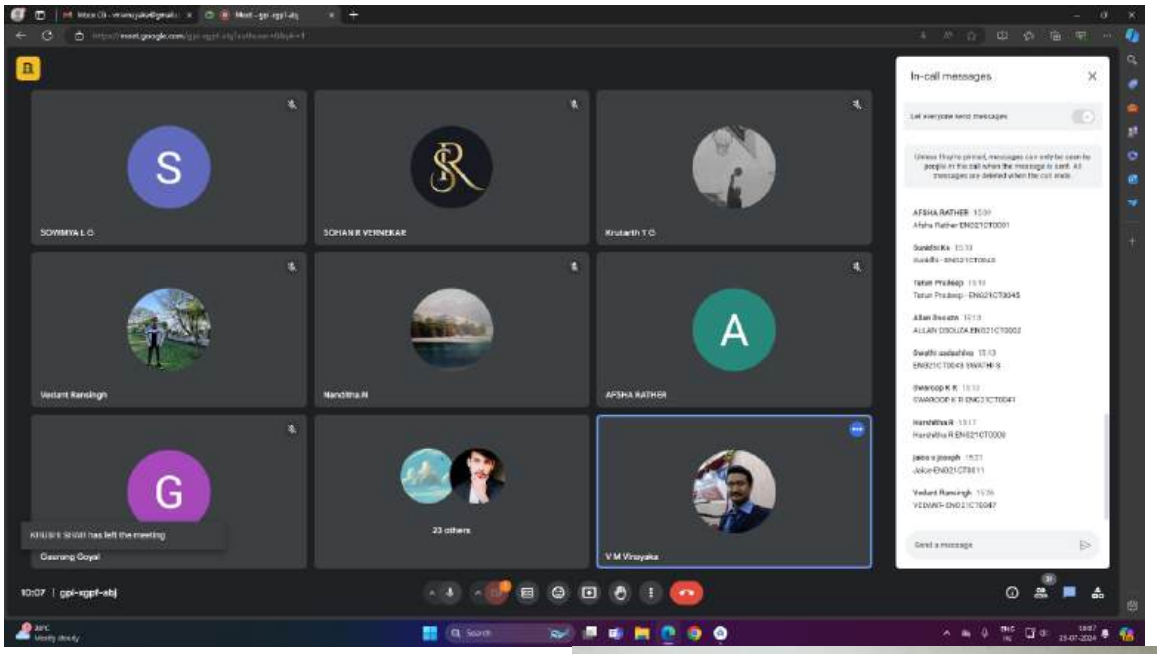


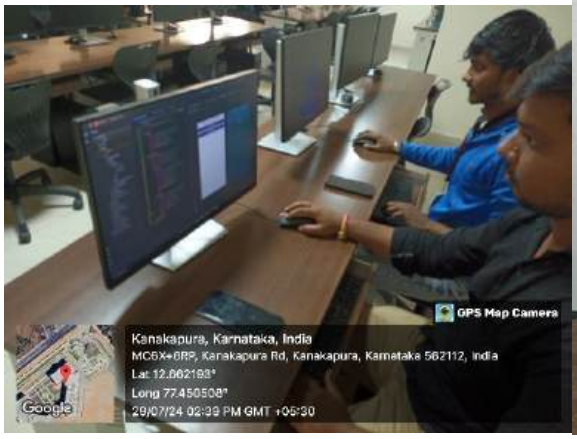


On 22nd July discussion on data binding was done.

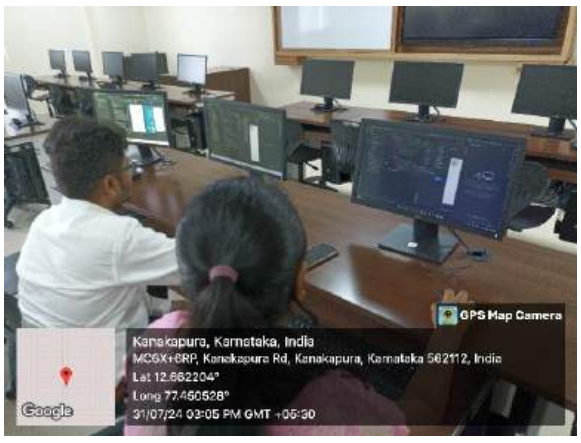


On 23rd July Testing of the application on various Android Virtual Devices was demonstrated and handouts for further reading was provided.









Programs learnt by students during hands on sessions:

Creating Sign up and Sign in activity
Creating an application to set wallpaper
Creating an application for counter
Dealing with XML and JSON files
Converting text to speech
Creating phone dialer with Call and Save buttons

On 29th July and 31st July students who had missed the practice sessions practiced the programs in the lab.

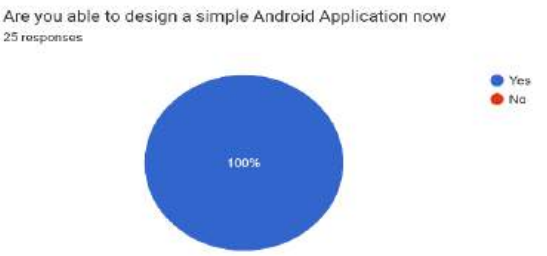
Few handouts were given to students for further reading

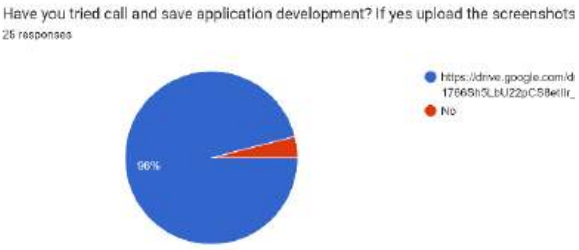
To promote lifelong learning skills of the students Handouts related to Firebase, Dart and Flutter were provided.

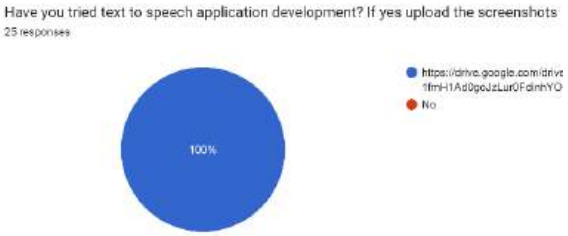
Activities and feedback on the course

Feedback on the hands-on session was taken



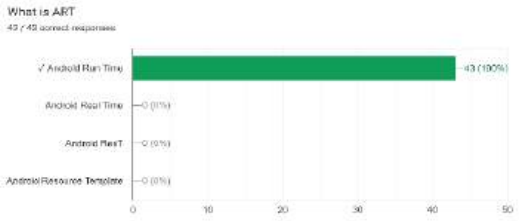


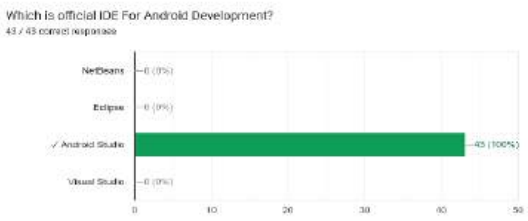


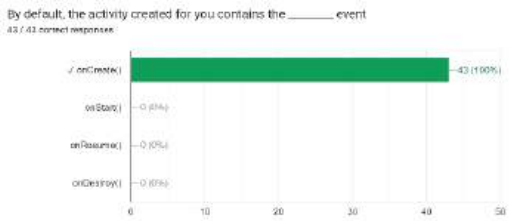


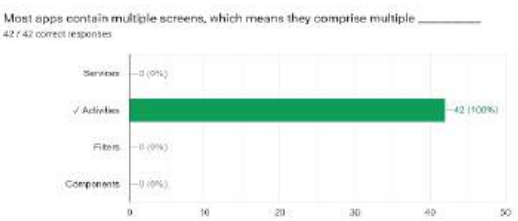
Final Quiz

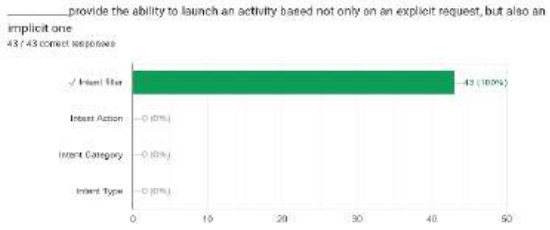
Here are the final quiz results:

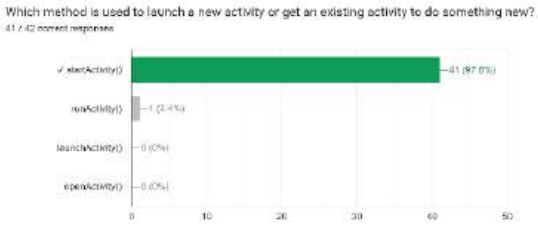






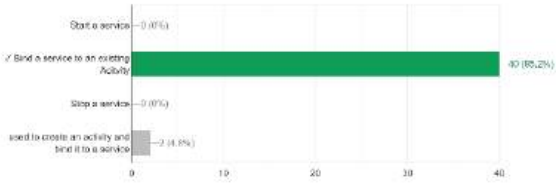






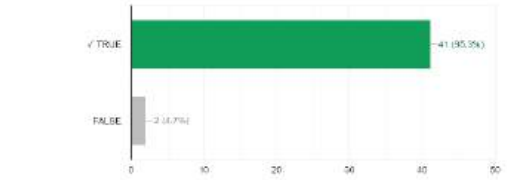
bindService(intent, serviceConnection, Context.BIND_AUTO_CREATE); What is the use of the above line of code?

40 / 43 correct responses



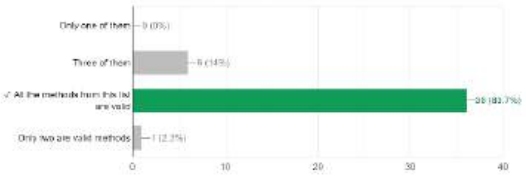
Broadcasts are messages broadcast to anyone listening. They are inherently insecure and may not guarantee delivery to the intended recipient.

41 / 43 correct responses



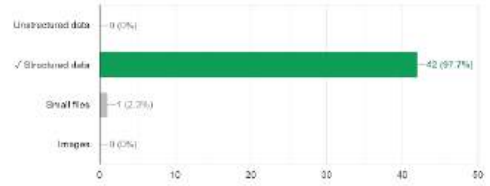
getFilesDir(), getCacheDir(), getExternalFilesDir(), getExternalCacheDir() how many of these methods can be used for utilizing app specific storage?

36 / 43 correct responses



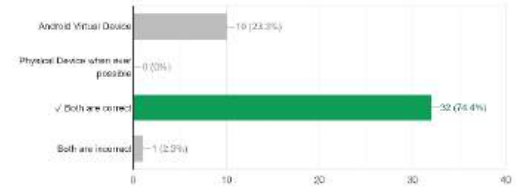
SQLite databases can be used to store____

42 / 43 correct responses



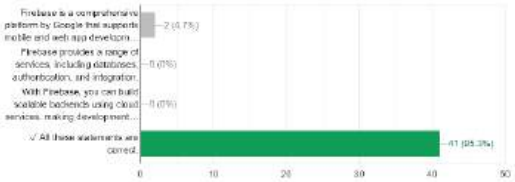
To ensure compatibility across various devices, screen sizes, and orientations we use

32 / 43 correct responses



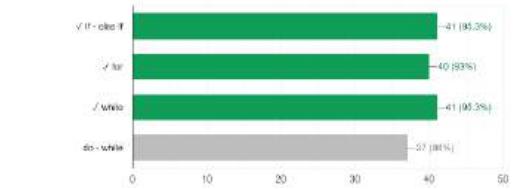
Select the correct statement

41 / 43 correct responses



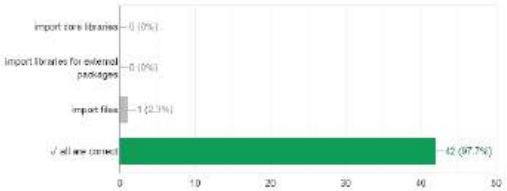
Select all the control statements which are valid in Dart language

5 / 43 correct responses



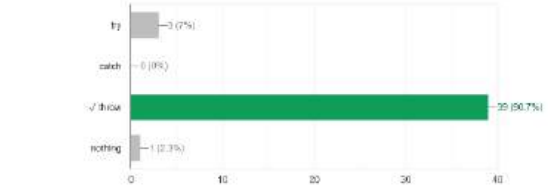
In Dart we use import to ____

42 / 43 correct responses



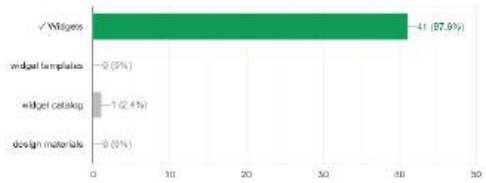
In dart to raise an exception we use

39 / 43 correct responses



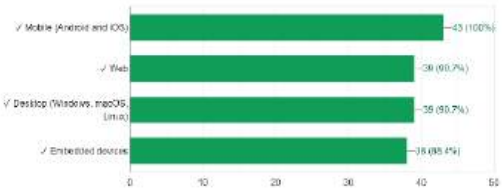
In Flutter, _____ are the building blocks of your user interface

41 / 42 correct responses



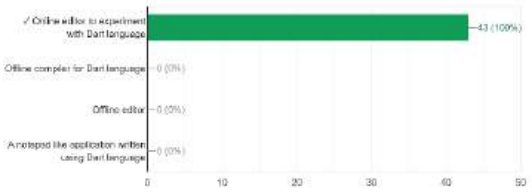
With Flutter, you can create apps for which of the following platforms:

37 / 43 correct responses

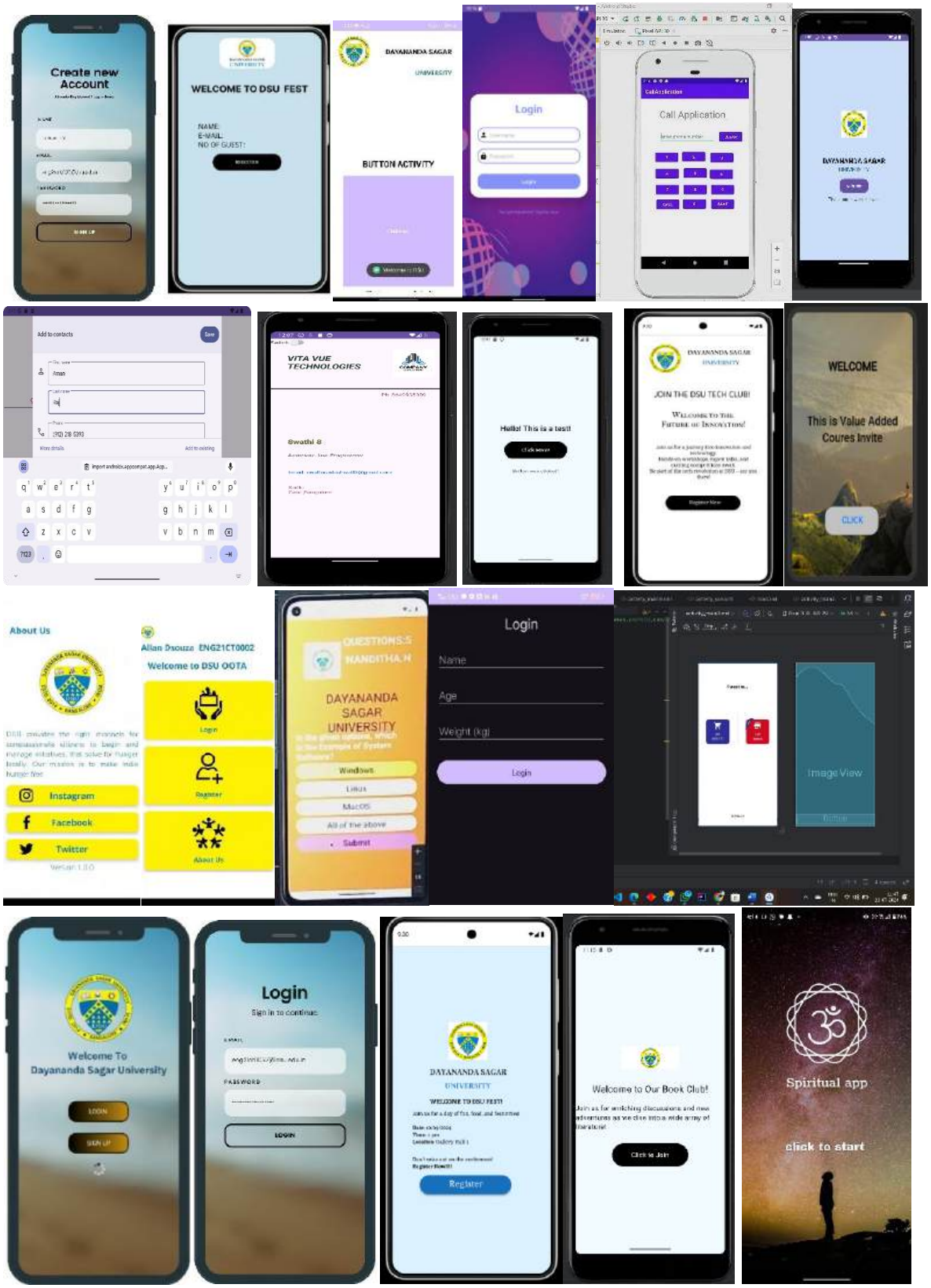


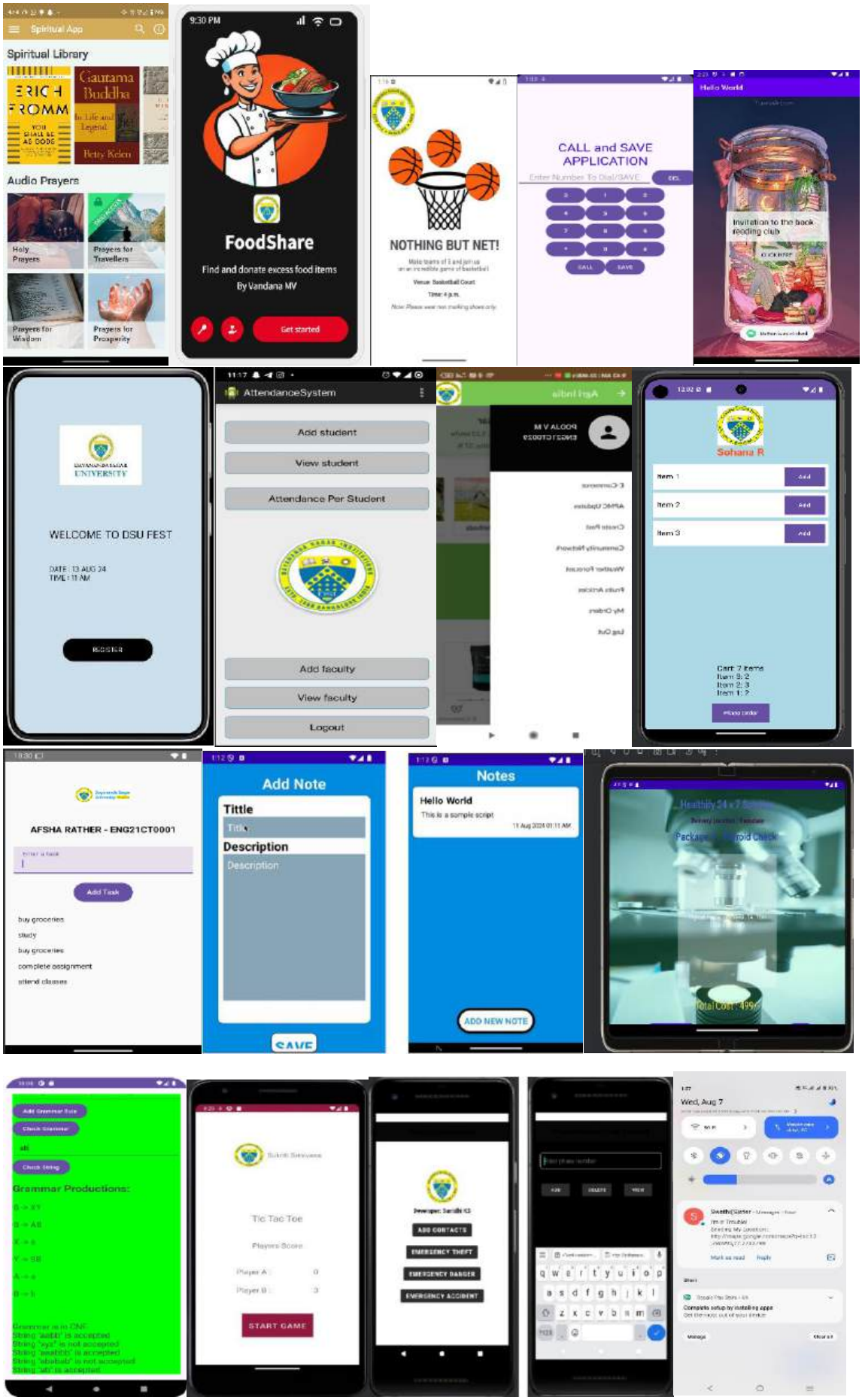
What is DartPad?

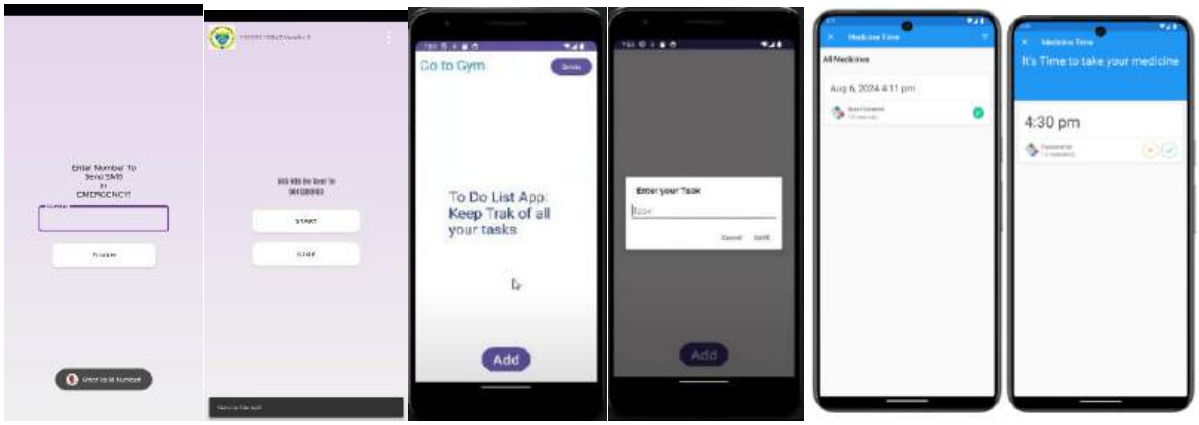
43 / 43 correct responses



Screen shots of some of the applications developed by the students




Spiritual App
Spiritual Library
Audio Prayers
Holy Prayers
Prayers for Travellers
Prayers for Wisdom
Prayers for Prosperity
9:30 PM
FoodShare
Find and donate excess food items
By Vandana MV
Get started
NOTHING BUT NET!
CALL and SAVE APPLICATION
Hello World
Invitation to the book reading club
WELCOME TO DSU FEST
DATE : 13 AUG 24
TIME : 11 AM
REGISTER
AttendanceSystem
Add student
View student
Attendance Per Student
Add faculty
View faculty
Logout
Sohana R
Item 1
Item 2
Item 3
AFSHA RATHER - ENG21CT0001
Add Task
buy groceries
study
buy groceries
complete assignment
attend classes
Add Note
Tittle
Description
SAVE
Notes
Hello World
This is a sample script
ADD NEW NOTE
Grammar Productions:
Tic Tac Toe
Players Score
START GAME
ADD CONTACTS
EMERGENCY THEFT
EMERGENCY DANGER
EMERGENCY ACCIDENT
Wed, Aug 7



Sample Certificate of the "Value Added Course"



DAYANANDA SAGAR UNIVERSITY

Dayananda Sagar University

SCHOOL OF ENGINEERING

School of Engineering, Devarakaggalahalli, Harohalli,
Kanakapura Road, Ramanagara Dt., Bengaluru – 562 112 , India

30 Hours Hybrid Mode Value Added Course
on
"Android Application Development"

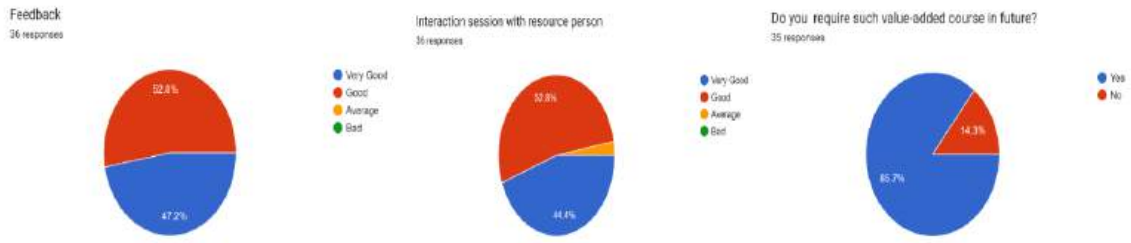
CERTIFICATE OF PARTICIPATION

This is to certify that ~~Mr.~~/ Ms. Nanditha. N bearing USN ENG21CT0027 has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Android Application Development"** organized by **Department of Computer Science & Technology** from **25th June to 23rd July 2024.**

Dr. M Shahina Parveen
Convener
Chairperson, Dept. of CST, SoE
DSU, Bengaluru

Dr. Udaya Kumar Reddy K R
Dean, SoE
DSU, Bengaluru

Feedback for the Value-Added Course:



Comments

The resources were very nice.

A lesser duration course would be preferable in the future.

We need more such courses in offline mode.

Attendance

Sl.No.	USN	NAME	6-25	6-26	6-26	6-27	6-28	6-29	7-1	7-1	7-2	7-4	7-4	7-5	7-5	7-6	7-7	7-8	7-9	7-9	7-10	7-10	7-11	7-11	7-17	7-17	7-18	7-18	7-19	7-19	7-20	7-22	7-23
1	ENG21CT0001	Afsha Rather	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
2	ENG21CT0002	Allan Dsouza												1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
3	ENG21CT0003	Aman Raj	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
4	ENG21CT0004	Ankit Singh	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
5	ENG21CT0006	Gaurang Goya	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
6	ENG21CT0007	Harika Reddy K																							1	2	3	4	5	6	7	8	11
7	ENG21CT0008	Harshitha R	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
8	ENG21CT0009	Hemal S												1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
9	ENG21CT0010	Hemanth Sud	1		2	3	4	5	6	7	8		9		10		11		12	13					14	15	16		17	18			20
10	ENG21CT0011	Jaice S Joseph		1	2		3	4			5	6	7					8							9	10	11	12			13		15
11	ENG21CT0013	Khan Samim Masud														1							2	3									
12	ENG21CT0014	Kharosekar Va	1	2							3							4					5	6			7	8	9	10			12
13	ENG21CT0015	Khushi Shah	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	33
14	ENG21CT0016	Krutharth Y G												1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
15	ENG21CT0017	Sowmya	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
16	ENG21CT0019	Likhith H			1			2									3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
17	ENG21CT0020	M Esha Reddy										1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
18	ENG21CT0023	Manoj Kumar R									1		2	3							4	5											
19	ENG21CT0024	Manoj N		1	2	3	4		5		6		7																			
20	ENG21CT0026	Mohammad Faizal		1	2	3	4				5	6																					
21	ENG21CT0027	Nanditha. N		1	2		3	4	5	6	7	8		9			10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	28
22	ENG21CT0028	Niharika R	1	2	3	4	5		6	7	8	9	10	11			12	13			14	15	16	17	18	19	20	21	22		23	24	27
23	ENG21CT0029	Pooja V M		1	2						3														4		5	6	7	8	9		
24	ENG21CT0030	Priyanka Shar	1		2			3	4	5		6	7	8	9	10	11	12			13	14	15	16	17	18	19	20	21	22	23	24	25
25	ENG21CT0031	Pruthvi S	1	2	3								4																				
26	ENG21CT0032	R Keertish Ku	1	2	3	4	5	6	7	8	9	10	11			12	13	14	15	16			17	18	19	20		21	22	23	24	25	26
27	ENG21CT0033	Raja Kumar	1	2					3							4													5	6			
28	ENG21CT0034	Sarah Catherine				1	2	3		4		5	6				7								8	9							11
29	ENG21CT0035	S A Sharan Vi	1	2	3			4			5		6			7		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
30	ENG21CT0036	Shashank Heg	1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
31	ENG21CT0037	Sohan R Vernekar		1	2			3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24		25	
32	ENG21CT0038	Sohana R	1	2	3		4	5	6	7	8	9	10	11	12	13	14	15	16	17			18	19	20	21	22	23	24	25	26	27	28
33	ENG21CT0039	Sukriti Srinivasa		1		2	3	4	5	6	7		8	9		10		11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
34	ENG21CT0040	Sunidhi	1	2	3	4	5		6	7	8							9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
35	ENG21CT0041	Swaroop K R												1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
36	ENG21CT0042	Swathi.B	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16					17	18	19		20	21	22	23	24	25	28
37	ENG21CT0043	Swathi S										1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
38	ENG21CT0044	Tanya Singh		1	2	3	4	5	6	7	8	9	10	11	12	13	14		15	16	17	18	19	20	21	22	23	24	25	26	27	28	31
39	ENG21CT0045	Tarun Pradeep Kumar				1	2	3		4		5	6				7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
40	ENG21CT0046	Vandana MV										1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
41	ENG21CT0047	Vedant Ransir	1	2	3						4														5				6	7		8	11
42	ENG21CT0048	Vidushi Modi												1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
43	ENG22CT1002	Sandesh shet	1										2								3	4											
44	ENG22CT1003	V Tharun	1	2	3									4				5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

Conclusion

The Android Application Development Value Added Course has given the final year students of the Department of Computer Science and Technology good insights and hands on experience, equipping them with new knowledge to cater their final year project needs.

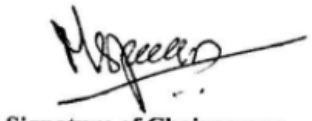
Students are able to design basic applications, design their front ends and write a basic JAVA and Kotlin code to handle the logic of the application. JAVA and related Kotlin code were also sent to the students for practice. Students were able to do a mini project using the skills learnt during the Value-Added Course.

The students who attended this Value-Added Course were provided with digital certificates, adding value to their resume.

About the Instructor

The Instructor for this Value-Added Course is Prof. Vinayaka V.M. M.Tech.,(Ph.D.)

Qualified in GATE 2012, KSET, UGC NET, GATE 2020 and participated in various FDPs and Workshops.



Signature of Chairperson

Chairperson
Dept. of Computer Science & Technology
School of Engineering
Dayananda Sagar University
Kudlu Gate, Hosur Main Road,
Bengaluru-560 114.

Dayananda Sagar University

School of Engineering

Devarakaggalahalli, Harohalli Kanakapura Road, Ramanagara, Karnataka - 562112

DEPARTMENT OF COMPUTER SCIENCE AND TECHNOLOGY

REPORT FOR

VALUE ADDED COURSE

ON

"Programming in C# & .Net"

Mode of conduction: Hybrid mode using google meet and CST lab

Target Audience: 5th Semester Students – Department of CS&T

Faculty: Prof. Yashaswini B V, Assistant Professor, Dept. of CS&T

Dates: 08-07-2024 to 05-08-2024

Course Objectives:

- Learn object-oriented programming
- Develop Console Applications
- Build Windows Applications that run on desktops
- Create database-connected applications

Other Applications of C#:

1. C# is widely used for developing desktop applications, web applications and web services.
2. It is used in creating applications of Microsoft at a large scale.
3. C# is also used in game development in Unity.
4. C# can be used for developing machine learning applications using frameworks such as ML.NET. ML.NET provides tools for training and deploying machine learning models in C# applications.
5. C# can be used to develop IoT applications using .NET IoT libraries. These applications can run on devices such as Raspberry Pi and Arduino.
6. C# can be used to create database applications using ADO.NET or Entity Framework. These applications can connect to various database systems, such as Microsoft SQL Server, Oracle, and MySQL.
7. C# can be used to develop cross-platform mobile applications using frameworks such as Xamarin and .NET MAUI. These applications can run on Android, iOS, and Windows devices.

Syllabus:

Module 1: Introduction to .Net Framework, Visual Studio Installation process, basic coding practices in C#, C# control statements

Module 2: C# Functions, C# Arrays, C# Object class, C# Properties, C# Inheritance, C# Polymorphism

Module 3: Abstraction, Namespace, Strings, Exception handling, Collections, Generics, Delegates, Reflection, Anonymous Function, Multithreading

Module 4: Create First C# Windows Forms Application using Visual Studio, Create a Calculator in C# Windows Forms Application, Connect & use local database in Visual Studio

Course Outcomes:

- Apply the concept of .Net Framework and C# language fundamentals.
- Evaluate the concept of C# OOPs and the .NET framework namespace contents.
- Develop the console and GUI applications using C# .Net
- Analyze the c# assembly, thread, polymorphism, inheritance concept

Brochure



Pre-CourseSurvey

Pre-course Survey

This form is intended to know about students background for the Value Added Course "**Programming in C# & .Net**", provided by ***Prof. Yashaswini B.V.***, Department of Computer Science and Technology, School of Engineering, Dayananda Sagar University.

Email *

Short answer text

USN *

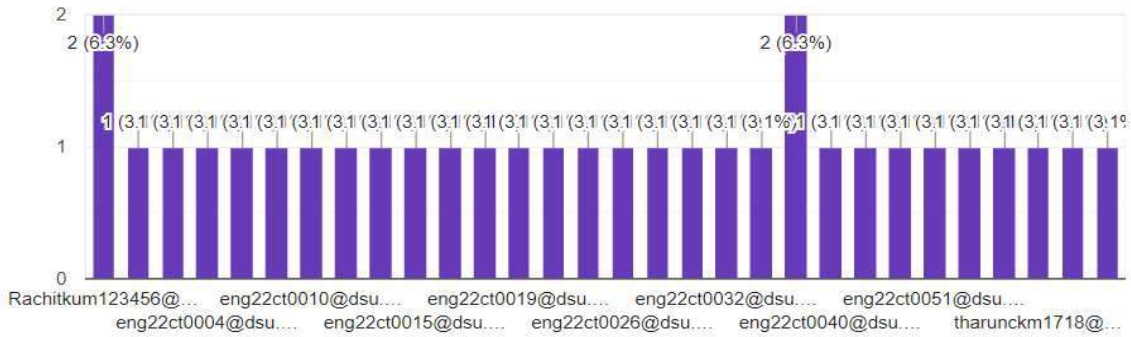
Short answer text

Name *

Email

Copy

32 responses



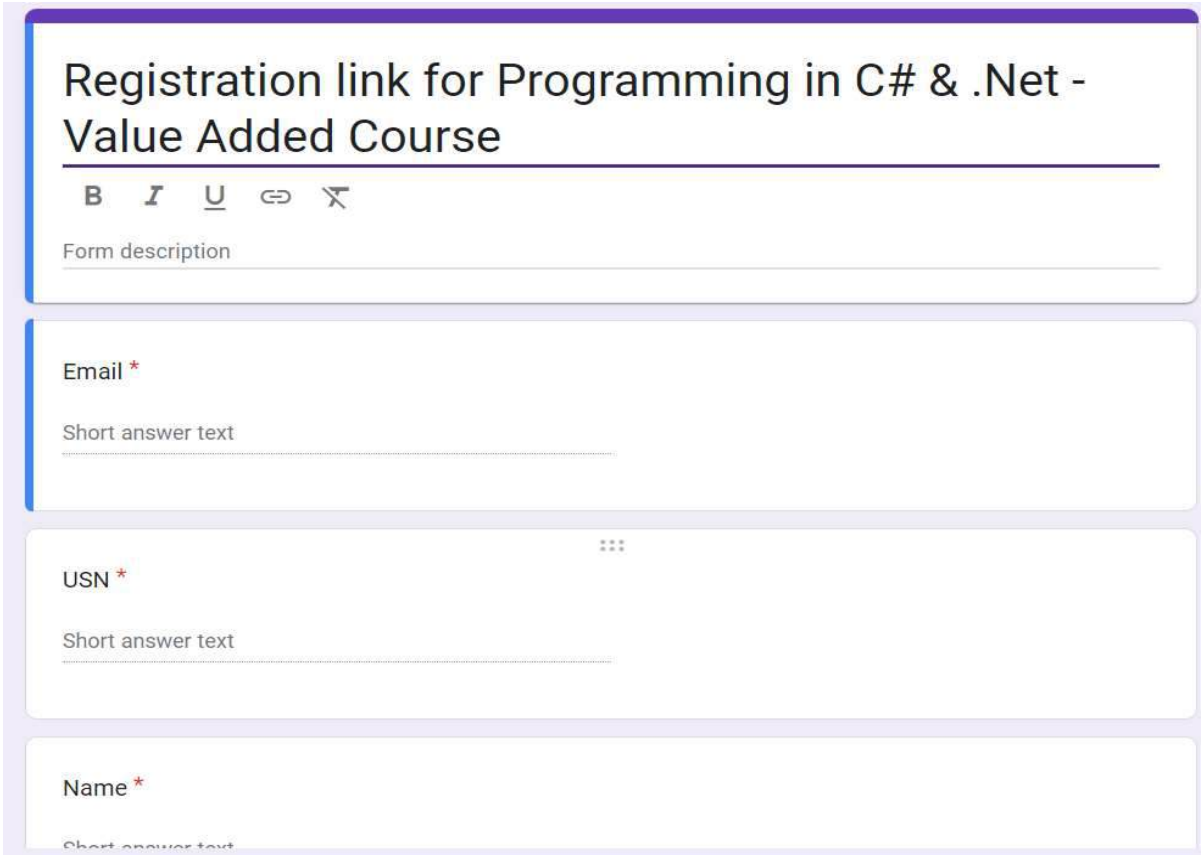
USN

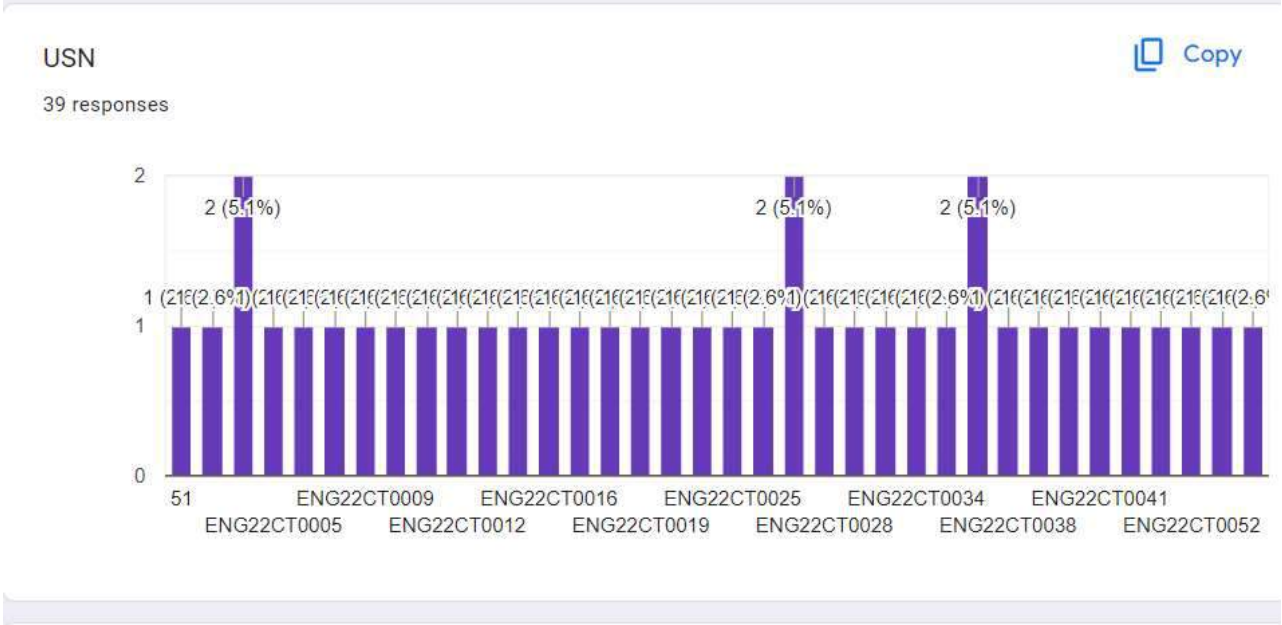
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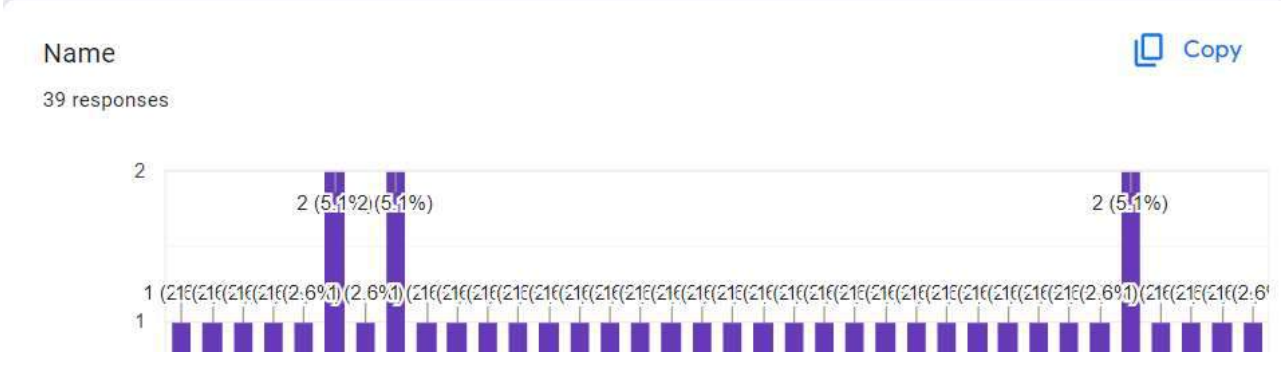
32 responses



Registration link





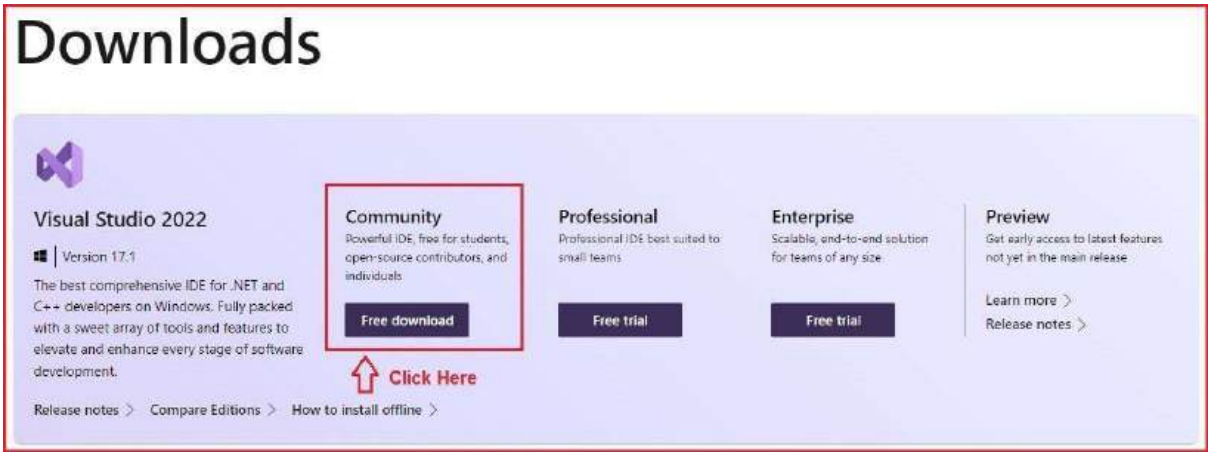


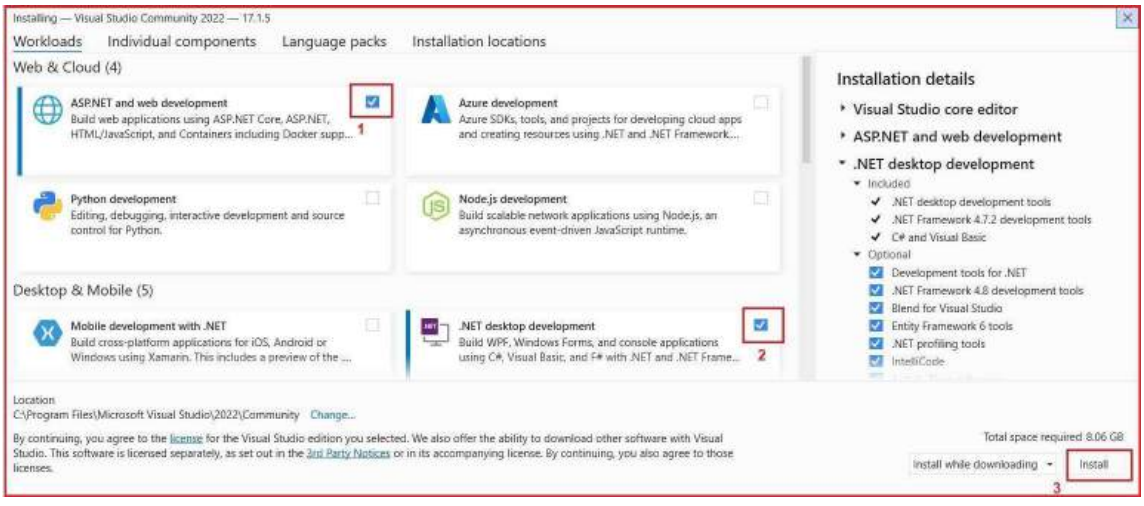
Report

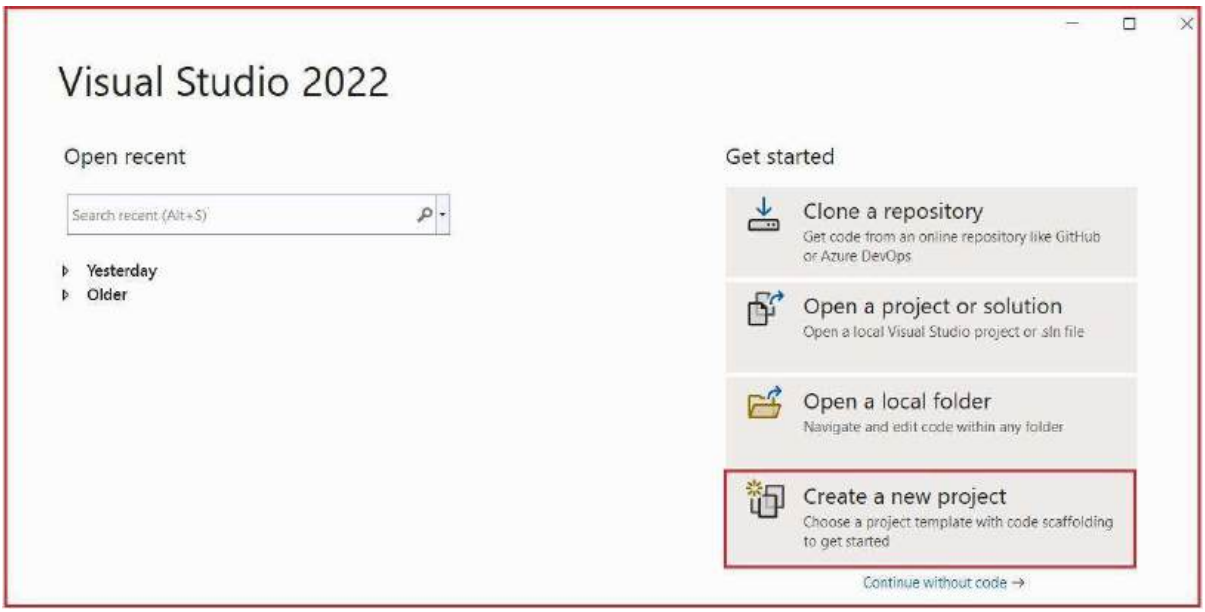
Day 1: 08/07/2024 **Time: 11.00 am to 1:00 pm**

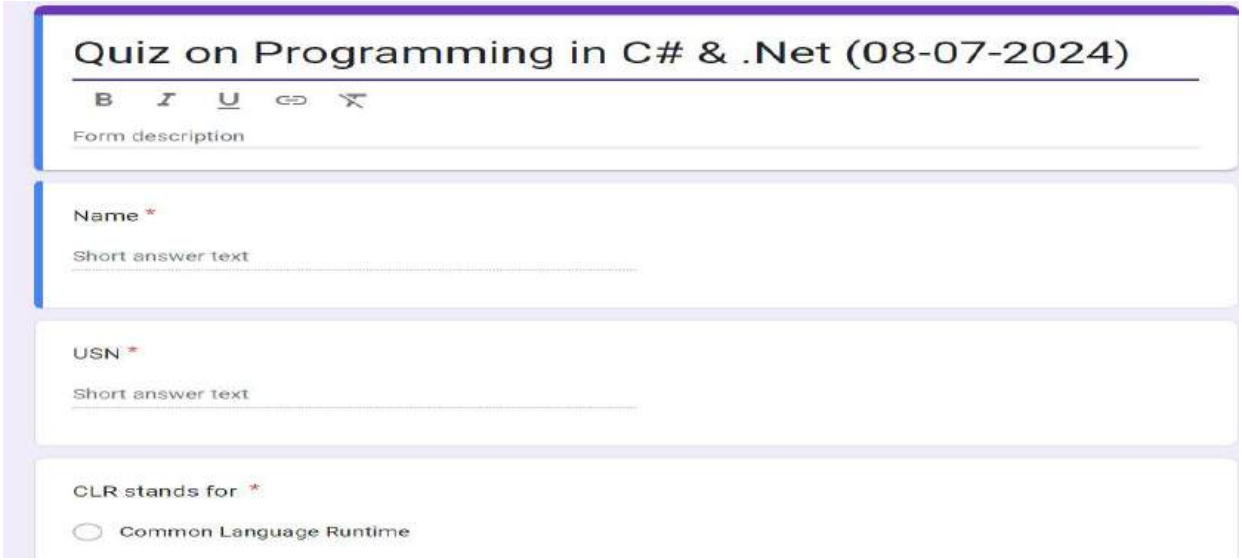
The first day of the program, 08/07/2024 commenced at 11:00 am with an introduction to the value-added course on "Programming in C# & .Net", followed by the introduction to the .Net framework and Visual Studio software installation. Quiz was conducted for the students.

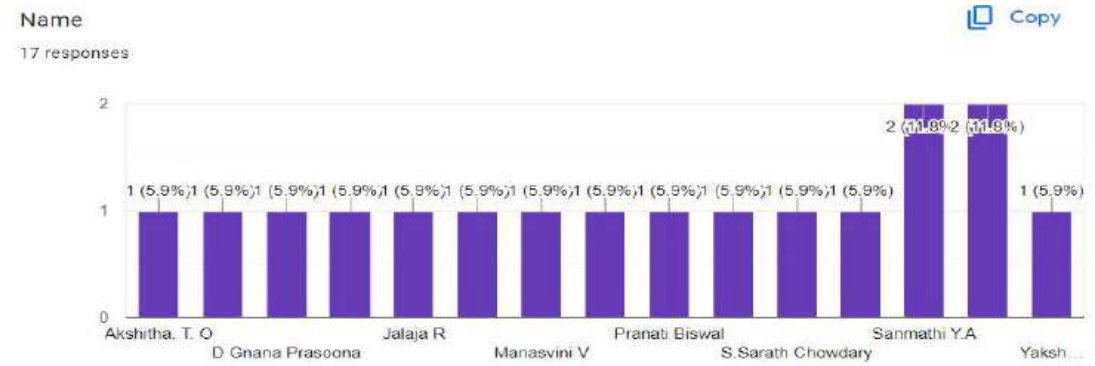


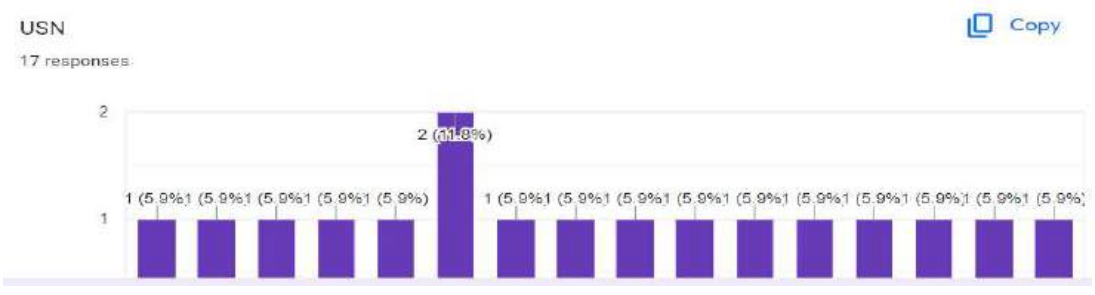












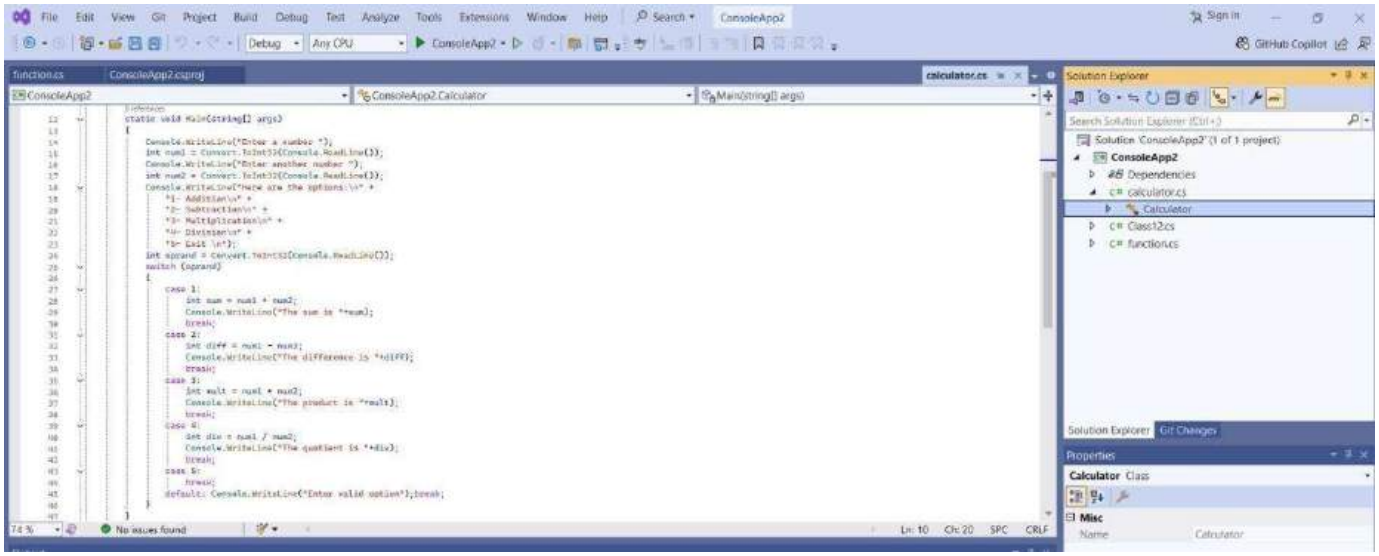
Day 2 : 09/07/2024

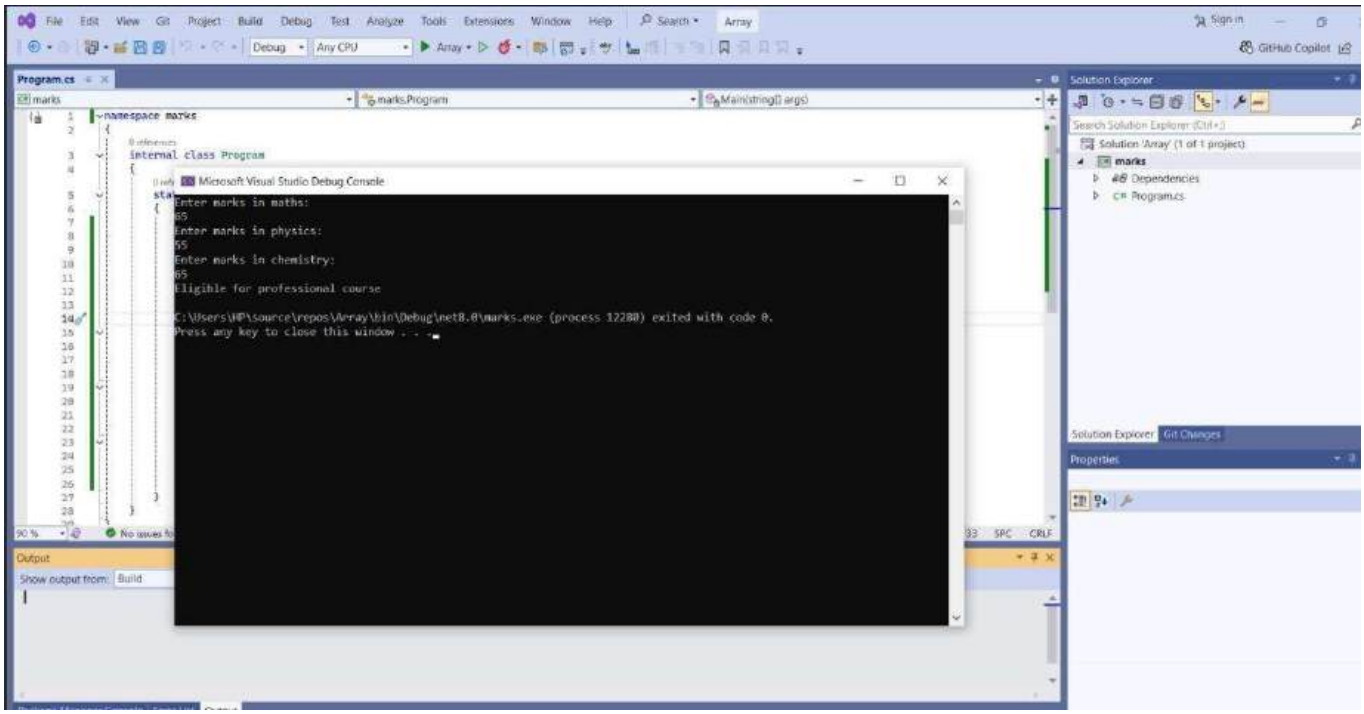
Day 2 : 09/07/24 **11:00 am to 1:00 pm**

Topic: Basic coding practices in C# and C# control statements

Students were introduced to the basic structure of C# programming. In this session, C# control statements topics were also covered. Students were given activities to perform arithmetic operations and to check their eligibility for the professional course by verifying their marks.

Activities given to students:



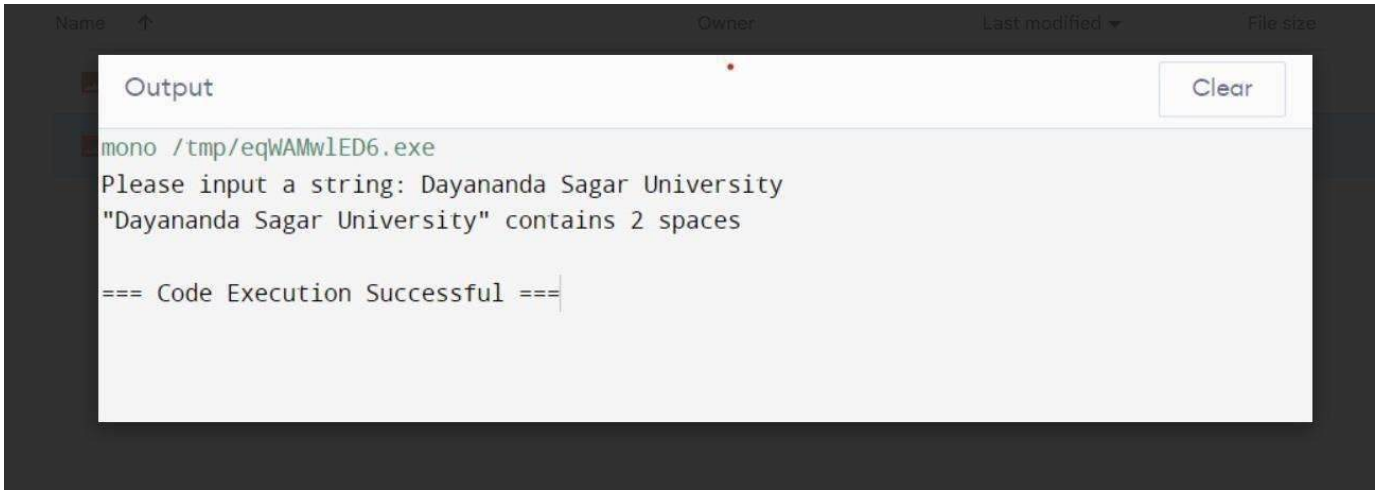


Day 3: 10/07/24 **11:00 am to 1:00 pm**

Topic: C# Functions & Arrays

In this session, students learn the functions and basic introduction to arrays.

Activity Screenshot:





Day 4: 11/07/24 **11:00 pm to 1:00 pm**

Object class, Namespace, Strings, Abstraction



Day 5:12/07/24 **11:00 am to 1:00 pm**

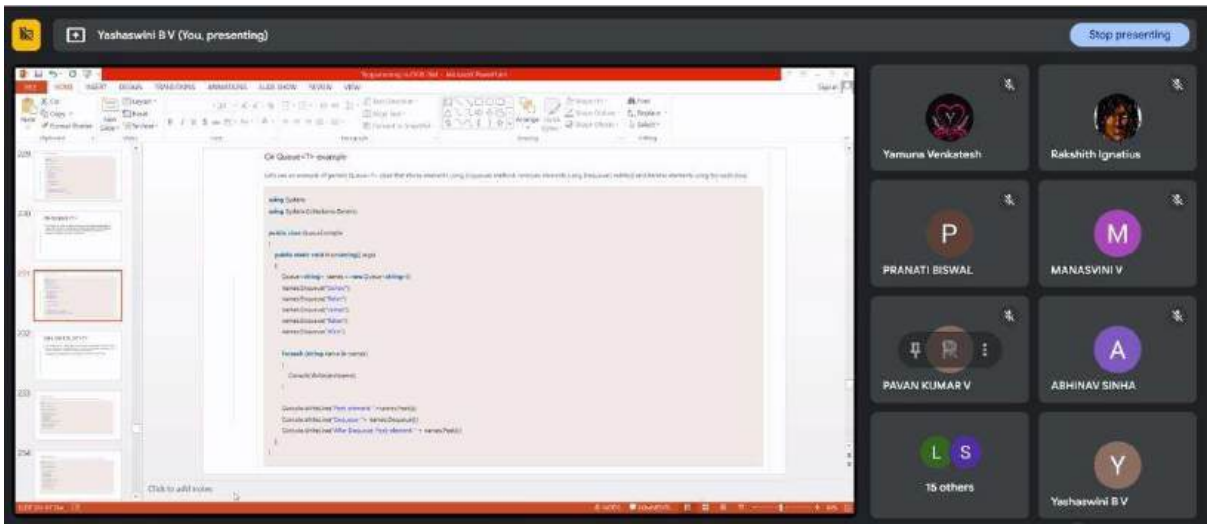
Topic : Polymorphism and Exception handling

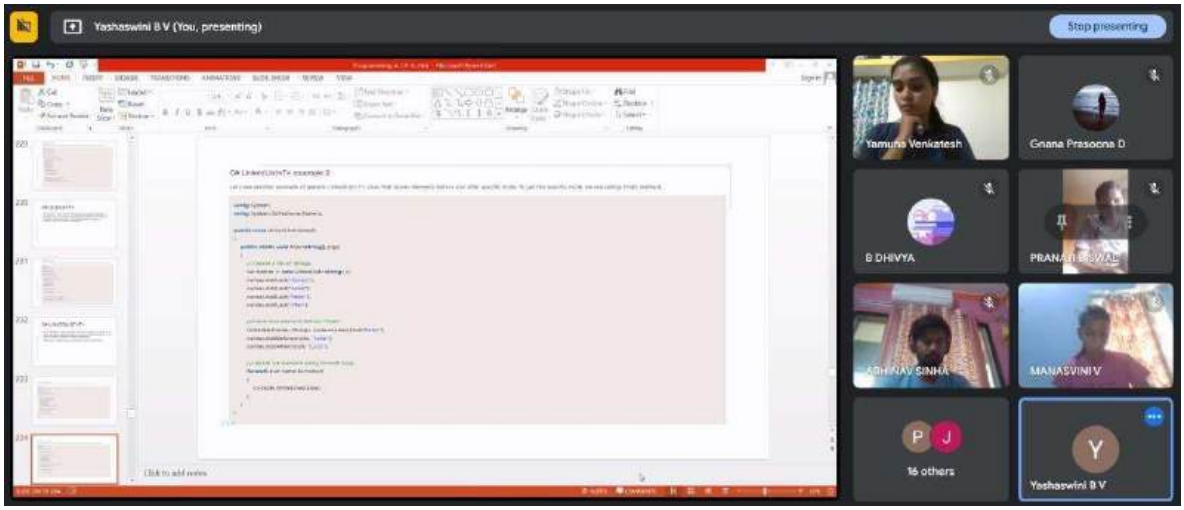
```
Name: Gnana
USN: ENG22CT0028
Marks: 90
COntactno: 123456789

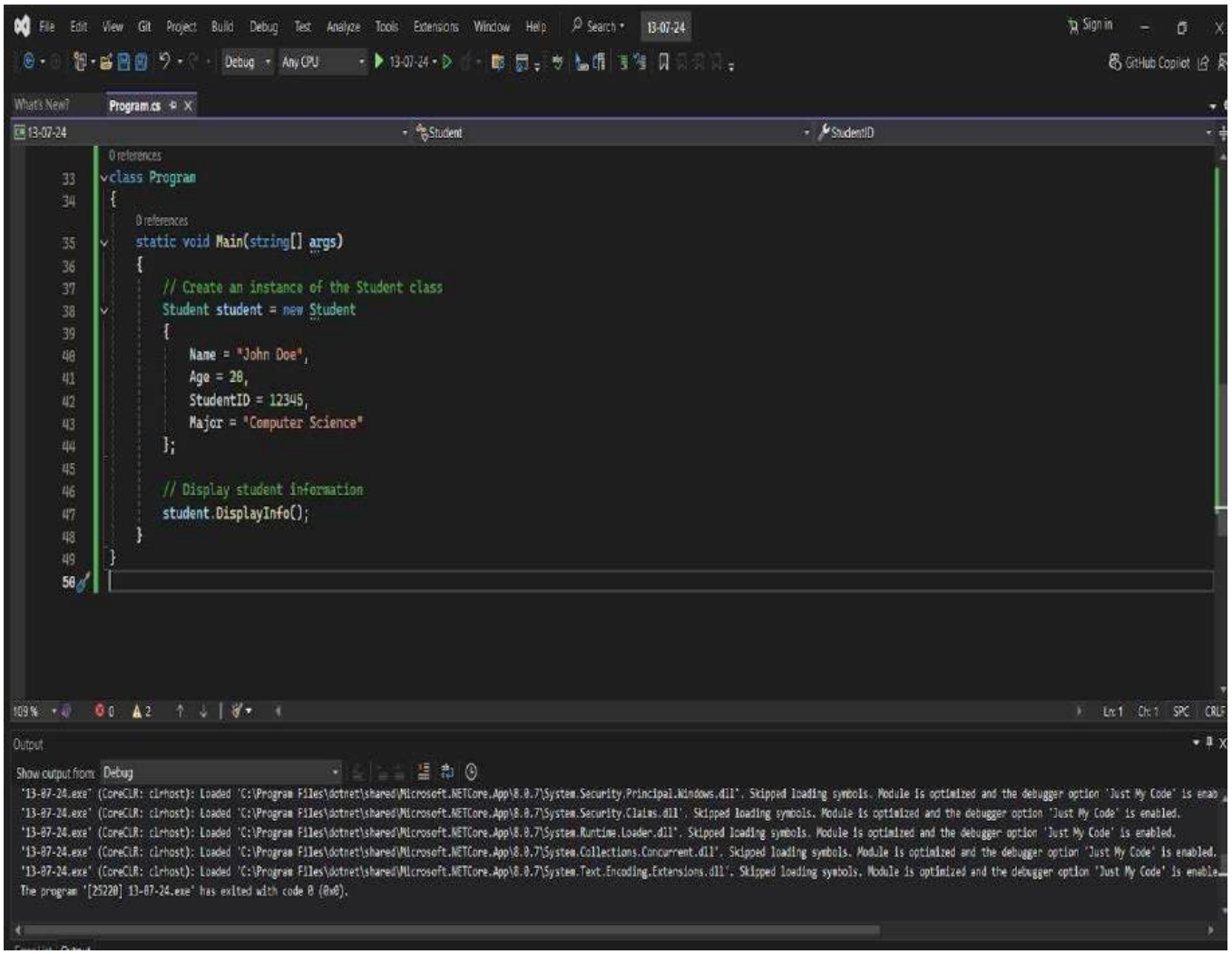
C:\Users\Dudi\source\repos\Ass4-C# properties\bin\Debug\net8.0\Ass4-C# properties.exe (process 22468) exited with code 0.
Press any key to close this window . . .
```

Day 6: 13/07/24 **11:00 am to 1:00 pm**

Topic : Collections

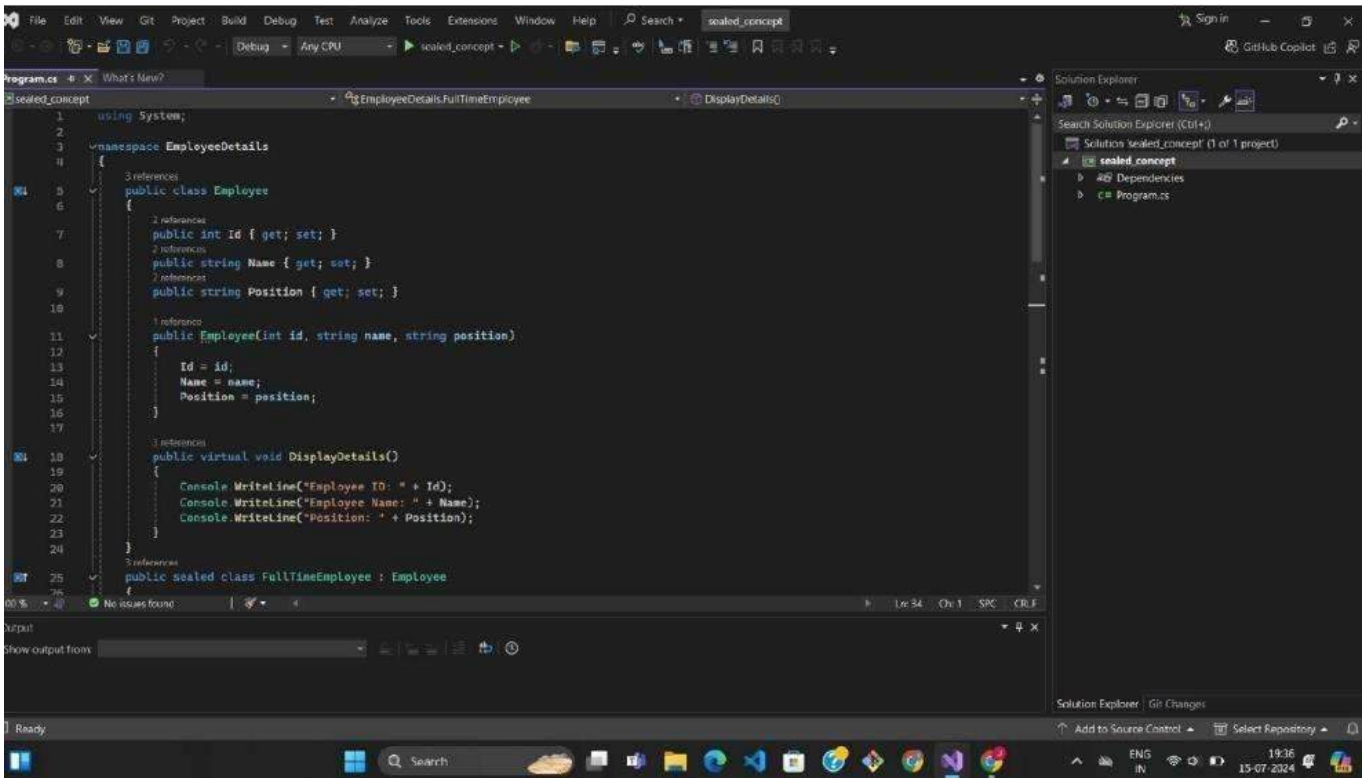





File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help
Search
13-07-24
Sign in
Debug
Any CPU
13-07-24
GitHub Copilot
What's New?
Program.cs
13-07-24
Student
StudentID
0 references
class Program
{
0 references
static void Main(string[] args)
{
// Create an instance of the Student class
Student student = new Student
{
Name = "John Doe",
Age = 20,
StudentID = 12345,
Major = "Computer Science"
};
// Display student information
student.DisplayInfo();
}
}
109 %
0
2
Ln: 1
Ch: 1
SPC
CRLF
Output
Show output from: Debug
'13-07-24.exe' (CoreCLR: clrhost): Loaded 'C:\Program Files\dotnet\shared\Microsoft.NETCore.App\8.0.7\System.Security.Principal.Windows.dll'. Skipped loading symbols. Module is optimized and the debugger option 'Just My Code' is enab
'13-07-24.exe' (CoreCLR: clrhost): Loaded 'C:\Program Files\dotnet\shared\Microsoft.NETCore.App\8.0.7\System.Security.Claims.dll'. Skipped loading symbols. Module is optimized and the debugger option 'Just My Code' is enabled.
'13-07-24.exe' (CoreCLR: clrhost): Loaded 'C:\Program Files\dotnet\shared\Microsoft.NETCore.App\8.0.7\System.Runtime.Loader.dll'. Skipped loading symbols. Module is optimized and the debugger option 'Just My Code' is enabled.
'13-07-24.exe' (CoreCLR: clrhost): Loaded 'C:\Program Files\dotnet\shared\Microsoft.NETCore.App\8.0.7\System.Collections.Concurrent.dll'. Skipped loading symbols. Module is optimized and the debugger option 'Just My Code' is enabled.
'13-07-24.exe' (CoreCLR: clrhost): Loaded 'C:\Program Files\dotnet\shared\Microsoft.NETCore.App\8.0.7\System.Text.Encoding.Extensions.dll'. Skipped loading symbols. Module is optimized and the debugger option 'Just My Code' is enable
The program '[25220] 13-07-24.exe' has exited with code 0 (0x0).

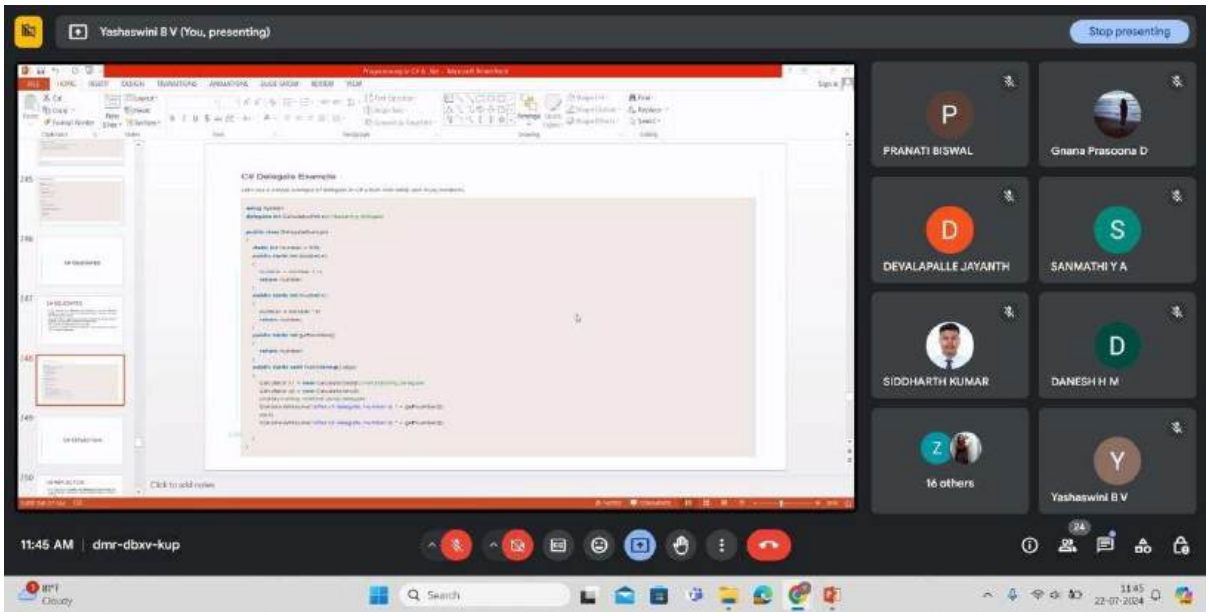
Day 7: 14/07/24 **11:00 am to 1:00 pm**

Topic : Generics



Day 8:15/07/24 **11:00 am to 1:00 pm**

Topic : Delegates




```
0 references
class Program
{
    0 references
    static void Main(string[] args)
    {
        Employee emp = new Employee("John Doe", 101, "Developer", 50000, "IT");
        Manager mgr = new Manager("Jane Smith", 102, "Manager", 80000, "HR");


        Console.WriteLine("\nEmployee All Info:");
        emp.DisplayAllInfo();

    }
```

Day 9: 16/07/24 **11:00 am to 1:00 pm**

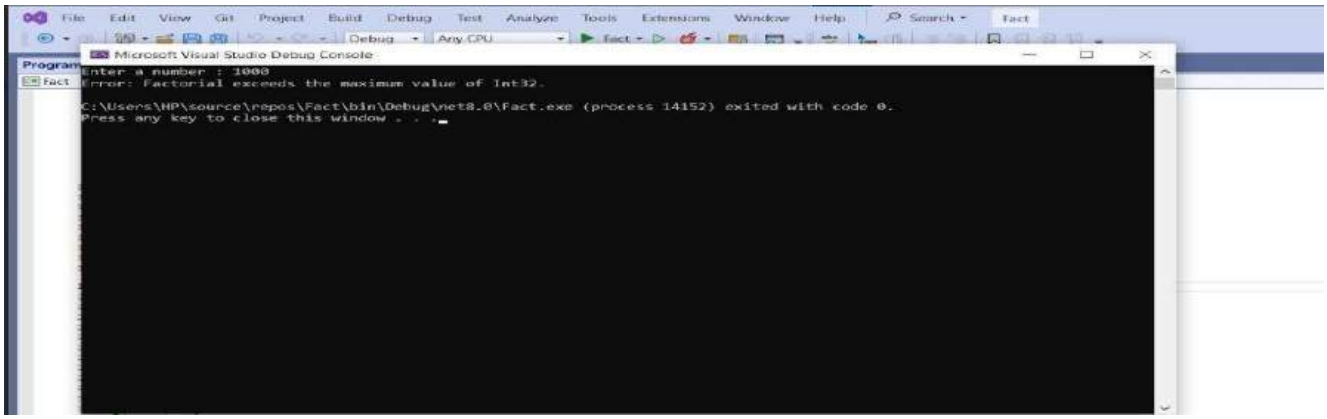
Topic : Reflection

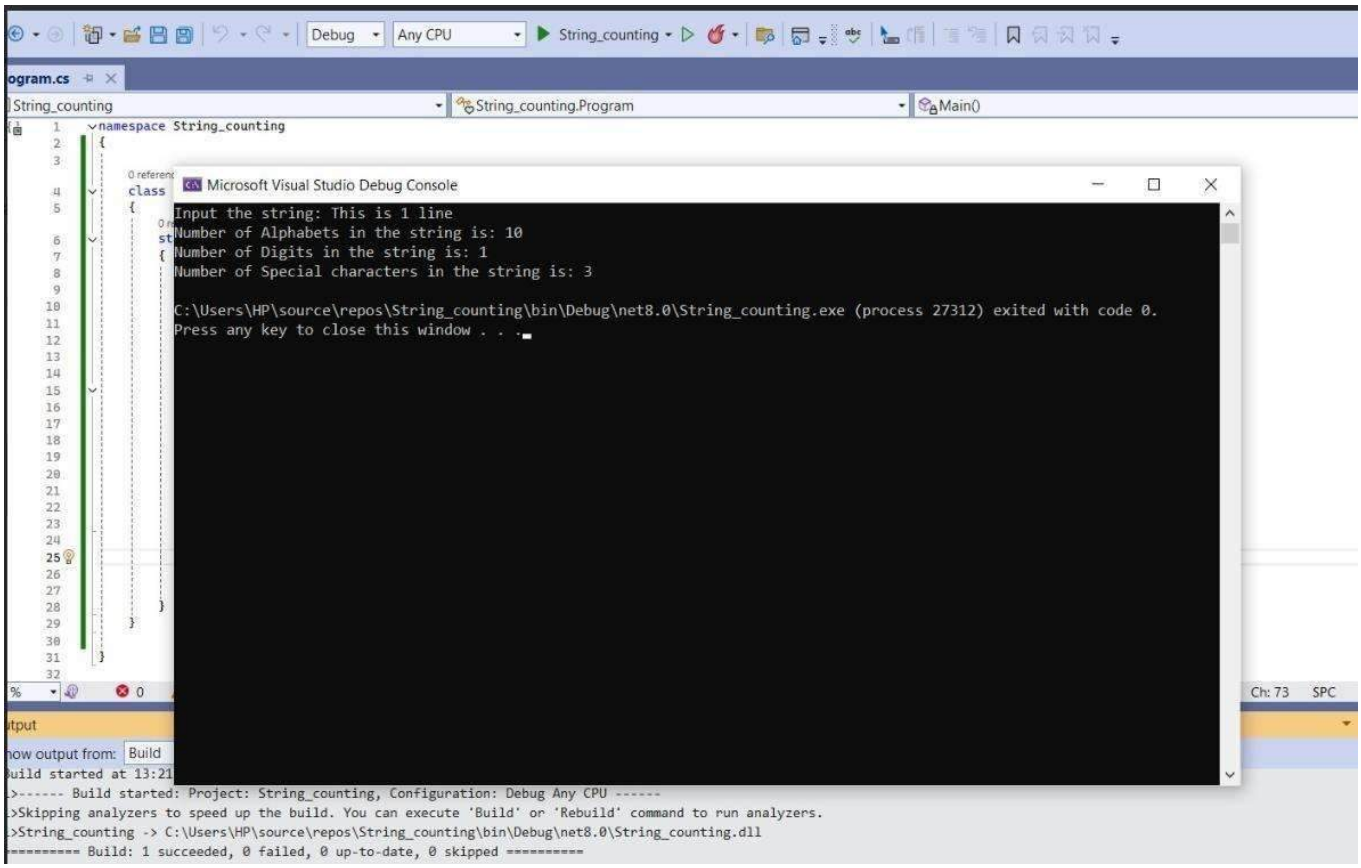




Day 10: 18/07/24 **11:00 am to 1:00 pm**

Topic : Anonymous Function




Debug
Any CPU
String_counting
ogram.cs
String_counting
String_counting.Program
Main()
namespace String_counting
{
class
{
}
}
}
Microsoft Visual Studio Debug Console
Input the string: This is 1 line
Number of Alphabets in the string is: 10
Number of Digits in the string is: 1
Number of Special characters in the string is: 3
C:\Users\HP\source\repos\String_counting\bin\Debug\net8.0\String_counting.exe (process 27312) exited with code 0.
Press any key to close this window . . .
Ch: 73
SPC
how output from:
Build
uild started at 13:21
>------ Build started: Project: String_counting, Configuration: Debug Any CPU ------
>Skipping analyzers to speed up the build. You can execute 'Build' or 'Rebuild' command to run analyzers.
>String_counting -> C:\Users\HP\source\repos\String_counting\bin\Debug\net8.0\String_counting.dll
========== Build: 1 succeeded, 0 failed, 0 up-to-date, 0 skipped ==========

Day 11: 19/07/2024 **11.00 am to 1:00 pm**

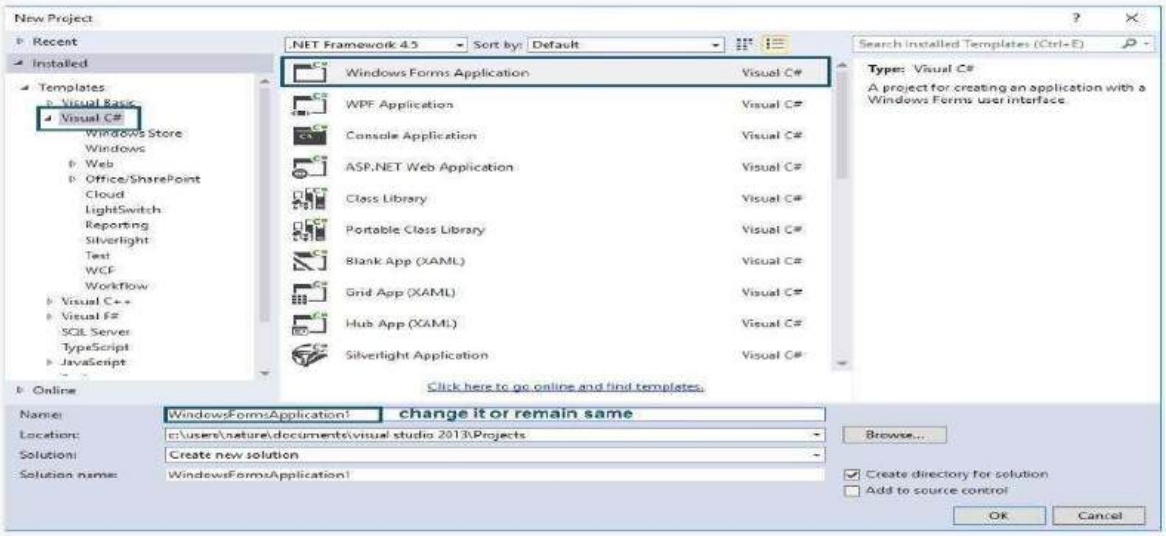
Topic : Create a Calculator in C# Windows Forms Application

How to create calculator in window application form c#

A simple calculator application in C# window form application. Here you will find easiest way to create a calculator in C# window form application.

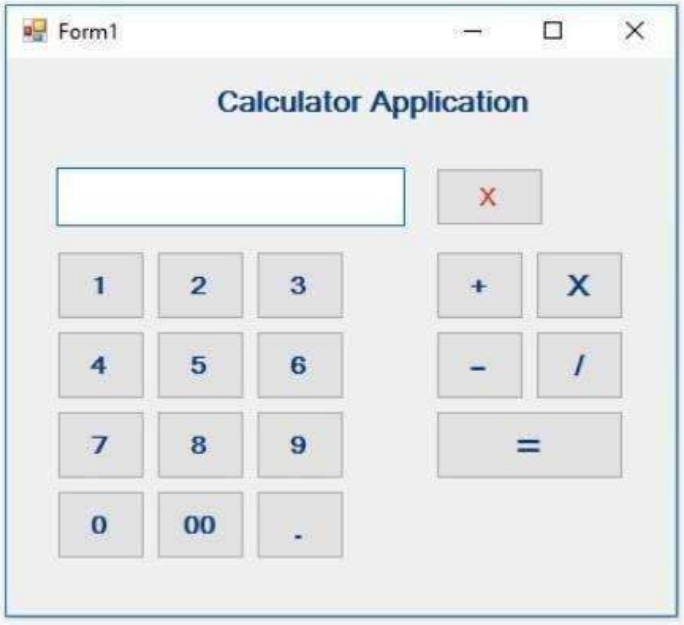
Step 1.

Create a New window application form in Microsoft Visual Studio.



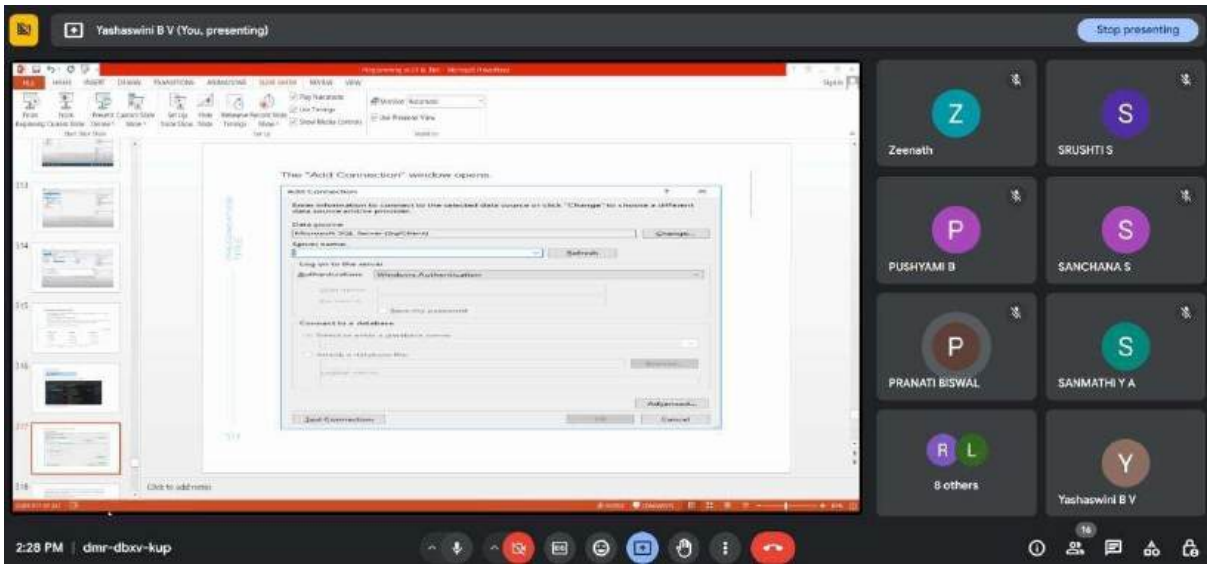
Step 2.

Design your Window Application Form like below form.



Day 12:22/07/2024 **11:00 am to 1:00 pm**

Topic : Connect & use local database in visual studio



Day 14:23/07/24 **11:00 am to 1:00 pm**

Topic : Multithreading

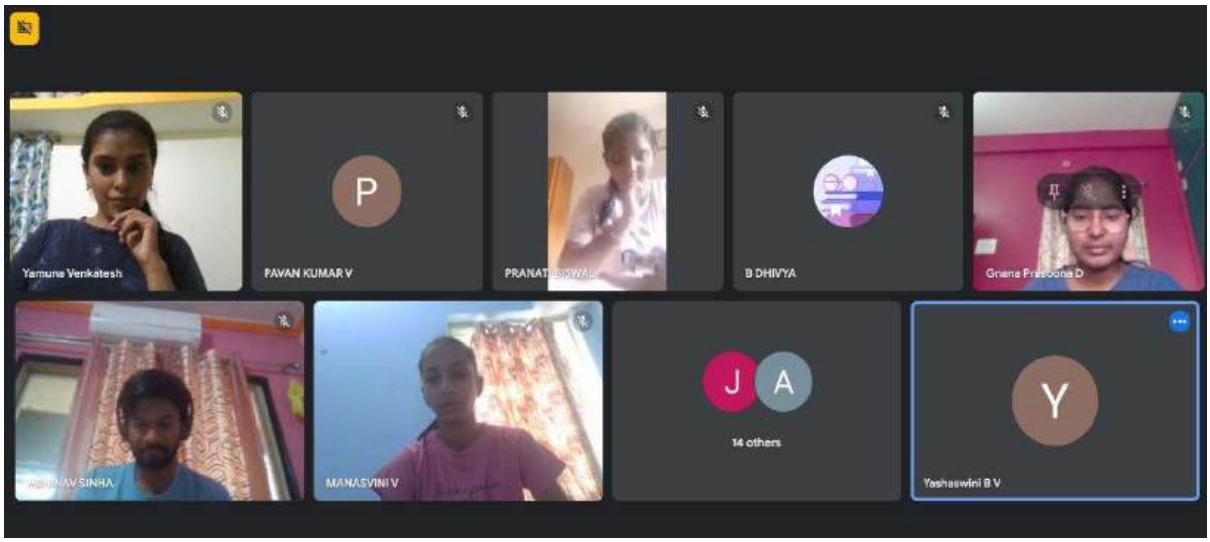
C# THREADING EXAMPLE: STATIC METHOD

We can call static and non-static methods on the execution of the thread. To call the static and non-static methods, you need to pass method name in the constructor of ThreadStart class. For static method, we don't need to create the instance of the class. You can refer it by the name of class.

```
using System;
using System.Threading;
public class MyThread
{
   public static void Thread1()
   {
      for (int i = 0; i < 10; i++)
      {
         Console.WriteLine(i);
      }
   }
}
public class ThreadExample
```

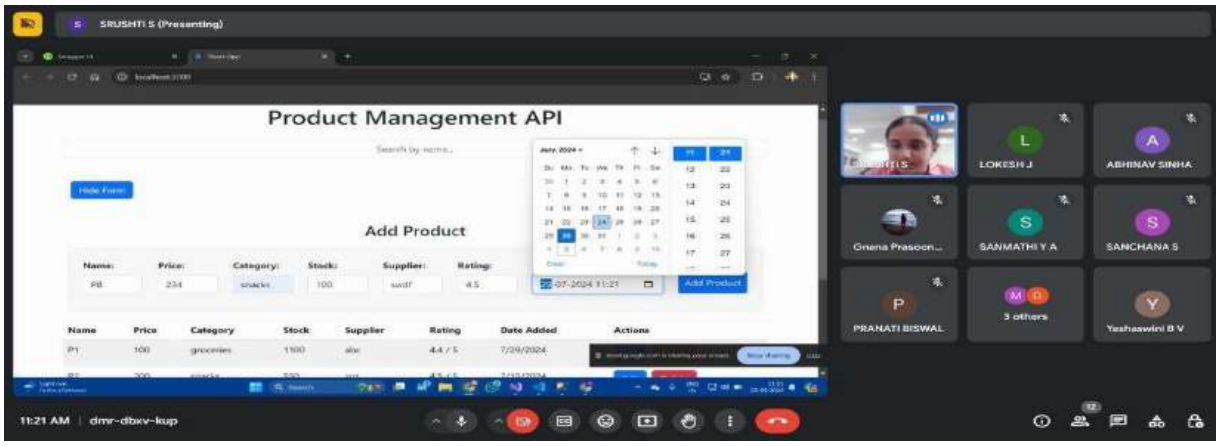
Day 15:31/07/24 **11:00 am to 1:00 pm**

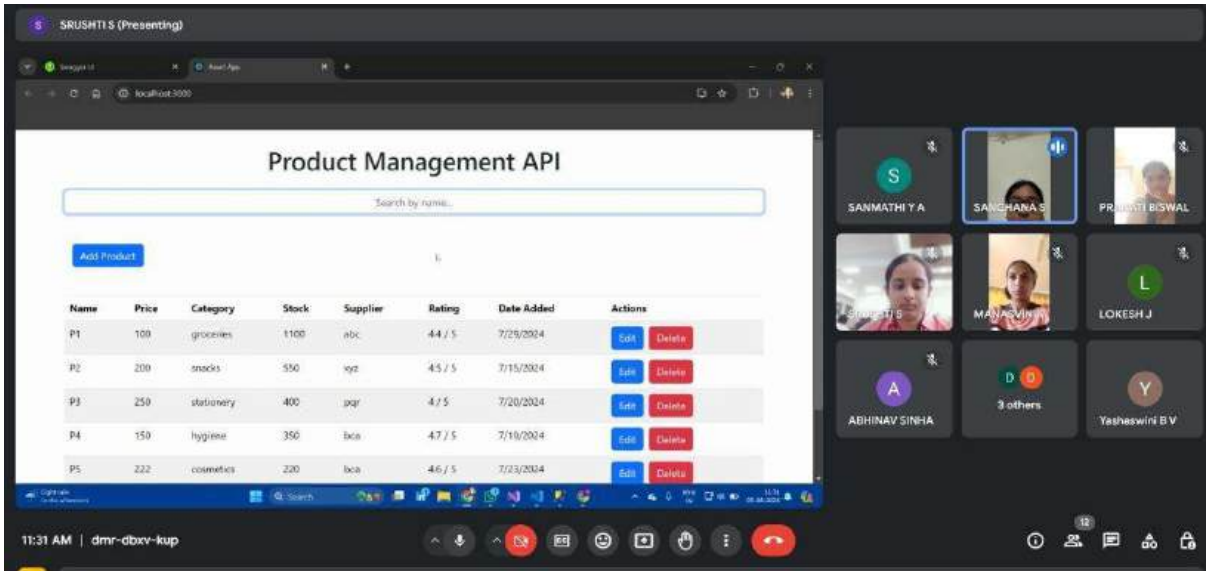
Topic : Multithreading

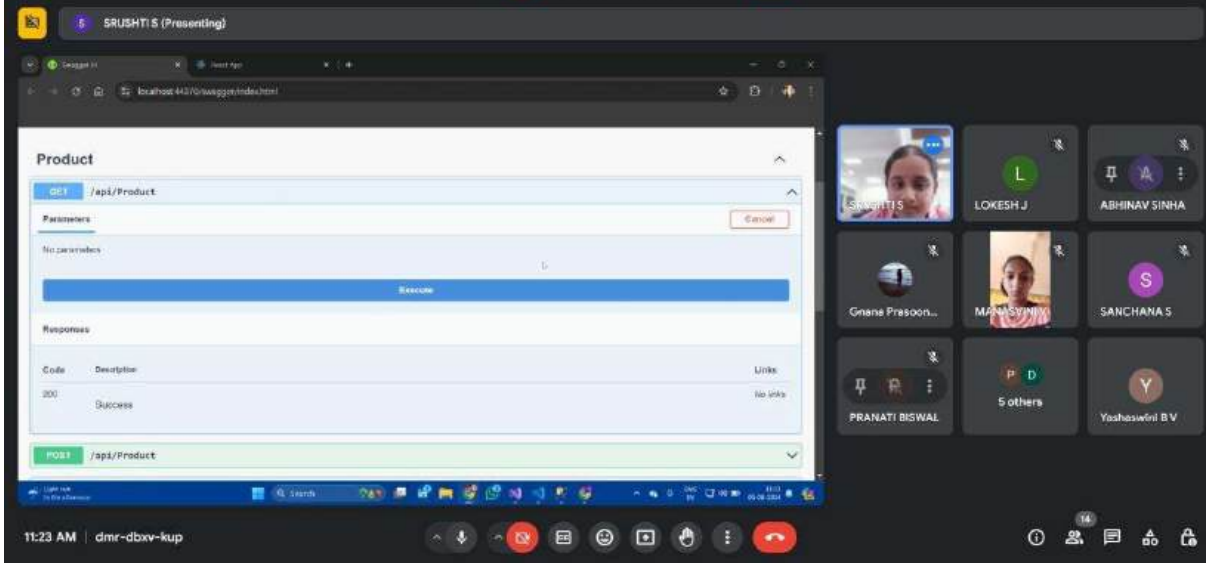


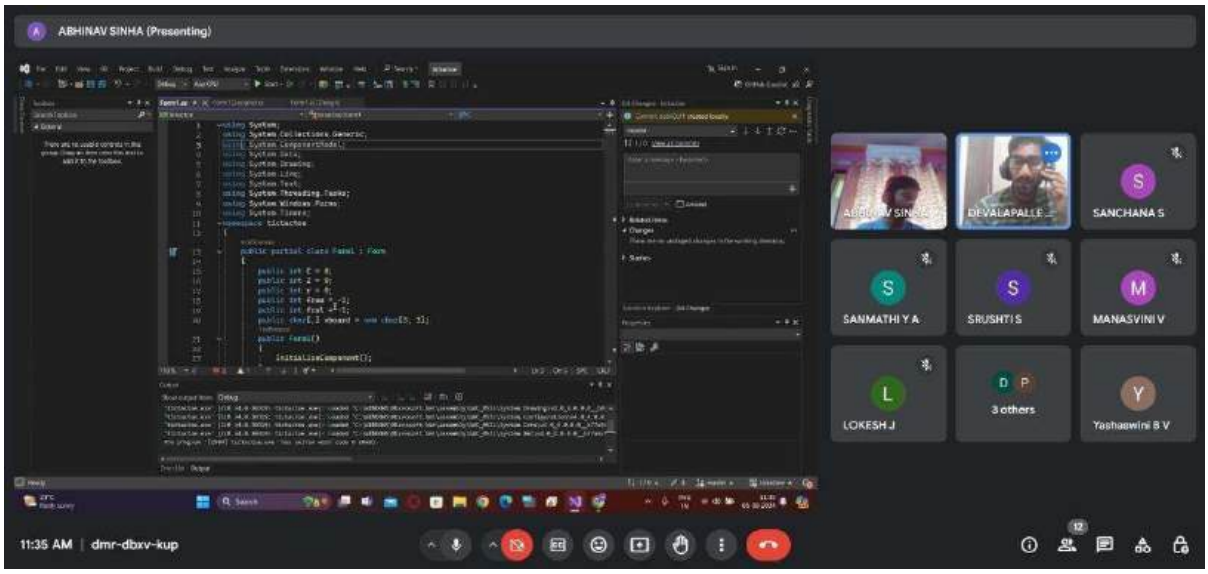
Day 16:05/08/24 **11:00 am to 1:00 pm**

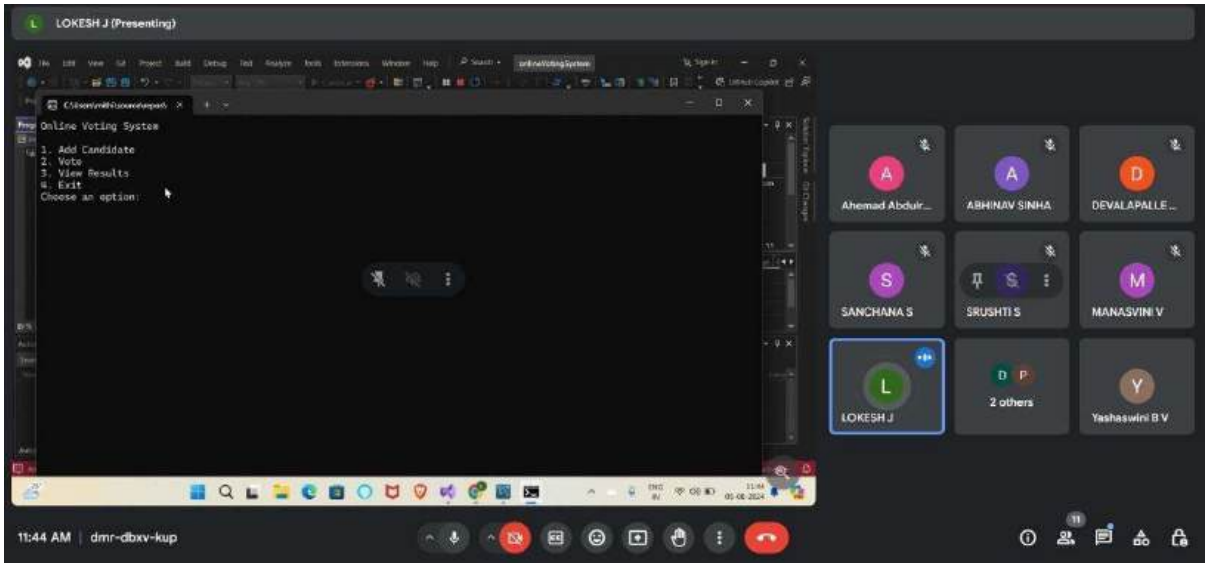
On the last day, students were presenting their mini-project online demo.


SRUSHTI S (Presenting)
Product Management API
Hide Form
Add Product
Name:
Price:
Category:
Stock:
Supplier:
Rating:
Add Product
Name
Price
Category
Stock
Supplier
Rating
Date Added
Actions
P1
100
groceries
1100
abc
4.4 / 5
7/29/2024
LOKESH J
ABHINAV SINHA
Gnana Prasoon...
SANMATHI Y A
SANCHANA S
PRANATI BISWAL
3 others
Yashaswini B V
11:21 AM | dmr-dbxv-kup


SRUSHTI S (Presenting)
Product Management API
Search by name...
Add Product
Name
Price
Category
Stock
Supplier
Rating
Date Added
Actions
P1
100
groceries
1100
abc
4.4 / 5
7/29/2024
Edit
Delete
P2
200
snacks
550
xyz
4.5 / 5
7/15/2024
P3
250
stationery
400
pqr
4.7 / 5
7/20/2024
P4
150
hygiene
350
bca
4.7 / 5
7/10/2024
P5
222
cosmetics
220
bca
4.6 / 5
7/23/2024
SANMATHI Y A
SANCHANA S
LOKESH J
ABHINAV SINHA
3 others
Yashaswini B V
11:31 AM | dmr-dbxv-kup


SRUSHTI S (Presenting)
Product
GET
/api/Product
Parameters
Cancel
No parameters
Execute
Responses
Code
Description
Links
200
Success
No links
POST
/api/Product
LOKESH J
ABHINAV SINHA
Gnana Prasoon...
SANCHANA S
PRANATI BISWAL
5 others
Yashaswini B V
11:23 AM | dmr-dbxv-kup


ABHINAV SINHA (Presenting)
SANCHANA S
SANMATHI Y A
SRUSHTI S
MANASVINI V
LOKESH J
3 others
Yashaswini B V
11:35 AM | dmr-dbxv-kup


LOKESH J (Presenting)
Online Voting System
1. Add Candidate
2. Vote
3. View Results
4. Exit
Choose an option:
Ahemad Abdulr...
ABHINAV SINHA
DEVALAPALLE ...
SANCHANA S
SRUSHTI S
MANASVINI V
LOKESH J
2 others
Yashaswini B V
11:44 AM | dmr-dbxv-kup

Feedback :

Feedback for Programming in C# & .Net Value Added Course
Department of Computer Science and Technology (CST)
Dayananda Sagar University

Form description

Full Name *

Short answer text

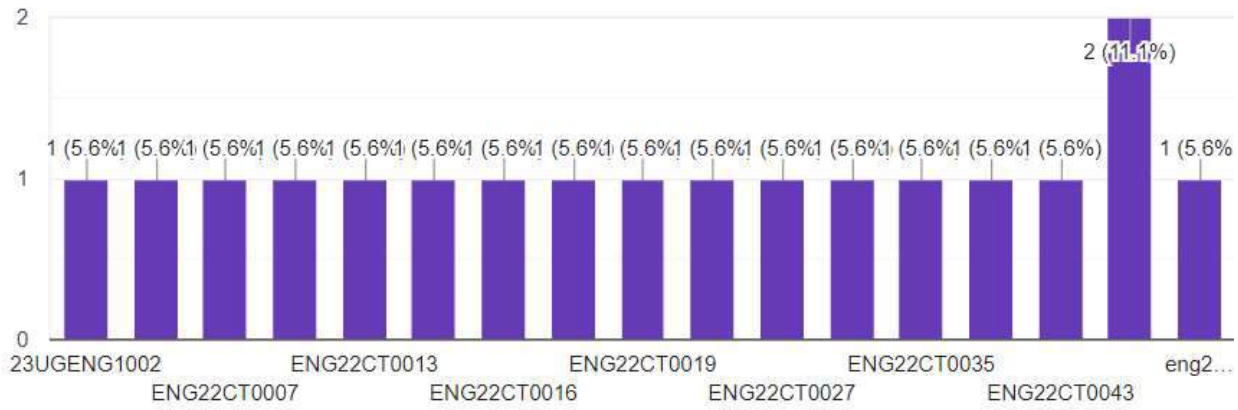
USN *

Short answer text

USN

Copy

18 responses



Email

18 responses

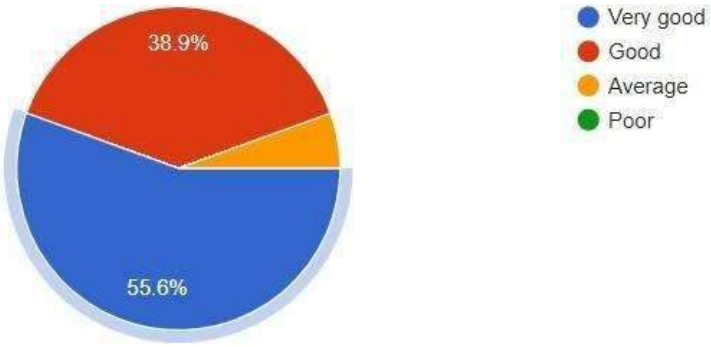
eng22ct0012@dsu.edu.in

eng23ct1001@dsu.edu.in

Feedback

Copy

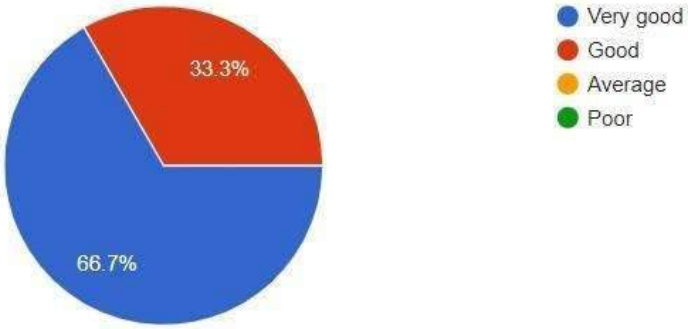
18 responses



Interaction session with resource person

Copy

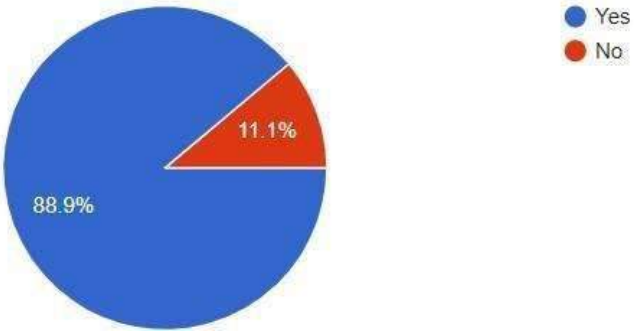
18 responses



Do you require such value-added course in future?

Copy

18 responses



Value Added Course On Programming in C# & Net Attendance

			DATES													
Sl.No	**USN**	**Name**	08-07-2024	09-07-2024	10-07-2024	11-07-2024	12-07-2024	13-07-2024	14-07-2024	15-07-2024	16-07-2024	18-07-2024	19-07-2024	22-07-2024	23-07-2024	31-07-2024	05-08-2024
1	ENG22CT0003	Ashritha	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
2	ENG22CT0004	B Dhivya	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
3	ENG22CT0005	Danesh H M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
4	ENG22CT0007	Jalaja R	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
5	ENG22CT0008	Jyoti Shree S Gotti	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
6	ENG22CT0009	Khyathi M R	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
7	ENG22CT0010	Krishna Rathod	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
8	ENG22CT0011	Lavanya B M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
9	ENG22CT0012	Lokesh J	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
10	ENG22CT0013	Manasvini V	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
11	ENG22CT0015	Pavan Kumar V	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
12	ENG22CT0016	Pranati Biswal	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
13	ENG22CT0017	Sanchana S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
14	ENG22CT0018	Sanmathi Y A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
15	ENG22CT0019	Srushti S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
16	ENG22CT0020	Tharun C E	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
17	ENG22CT0021	Varshini Balakrishna	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
18	ENG22CT0023	Zeenathunnisa	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
19	ENG22CT0025	Abhinav Sinha	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

20	ENG22CT0026	B Praveen	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
21	ENG22CT0027	Devalapalle Jayanth	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
22	ENG22CT0028	Dudi Gnana Prasoona	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
23	ENG22CT0030	Nishant Kumar Dubey	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
24	ENG22CT0032	Rishav Aditya	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
25	ENG22CT0034	Suddapalli Sarath Chowdary	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
26	ENG22CT0036	Vaddu Kedhar Nadh Reddy	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
27	ENG22CT0037	Vishal D	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
28	ENG22CT0038	Yakshith Babu.S.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
29	ENG22CT0039	Ahmed Isa Zaweel	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
30	ENG22CT0040	Akshitha T O	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
31	ENG22CT0041	Anshul Hiremath	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
32	ENG22CT0047	Rakshith Ignatius R	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
33	ENG22CT0048	Rohan B	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
34	ENG22CT0051	Vivek Kumar	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
35	ENG22CT0052	Yamuna V	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
36	ENG22CT0053	Kancharla Manoj Kumar	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Signature of Chairperson

Chairperson
Dept. of Computer Science & Technology
School of Engineering
Dayananda Sagar University
Kudlu Gate, Hosur Main Road,
Bengaluru-560 114.

Sample Certificate of the Value-Added Course



DAYANANDA SAGAR UNIVERSITY

Dayananda Sagar University

SCHOOL OF ENGINEERING

School of Engineering, Devarakaggalahalli, Harohalli,
Kanakapura Road, Ramanagara Dt., Bengaluru – 562 112 , India

30 Hours Hybrid Mode Value Added Course
on
"Programming in C# & .Net"

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Ms. **Pranati Biswal** bearing USN **ENG22CT0016** has **PARTICIPATED** in **30 hours hybrid mode Value Added Course on "Programming in C# & .Net"** organized by **Department of Computer Science & Technology** from **7th July to 31st July 2024.**

Dr. M Shahina Parveen
Convener
Chairperson, Dept. of CST, SoE
DSU, Bengaluru

Dr. Udaya Kumar Reddy K R
Dean, SoE
DSU, Bengaluru

Conclusion

The Programming in C# & .Net Value Added Course has given the third-year students of the Department of Computer Science and Technology good insights and hands-on experience, equipping them with new knowledge to cater their future project needs.

Students are able to design basic applications, design their front ends and write a basic C# code to handle the logic of the application. C# and .Net study material were also sent to the students for practice. Students were able to do a mini project using the skills learned during the Value-Added Course.

The students who attended this Value-Added Course were provided with digital certificates, adding value to their resumes.

Signature of Chairperson
Chairperson
Dept. of Computer Science & Technology
School of Engineering
Dayananda Sagar University
Kudlu Gate, Hosur Main Road,
Bengaluru-560 114.

SCHOOL OF ENGINEERING

Dayananda Sagar University

Department of Electronics & Communication Engineering

Academic Year 2023-24

Value Added Course on "Recent Trends and Advancements in Electronics"

No	Name of the Student	USN Number	Semester	Section	(20/02/2024 - FN)	(20/02/2024 - AN)	(23/02/2024 - FN)
1	Bhargav S	ENG21EC0014	6	A			
2	Shivam Shrivastava	ENG20EC0093	6	B	AB	AB	
3	Divya R K	ENG21EC0032	6	A	AB	AB	
4	Meghana A Aathreya	ENG21EC0062	6	A			
5	Mansi prakash	ENG21EC0059	6	A			
6	Madhura s v	ENG21EC0053	6	A			
7	Bhanushree N V	ENG21EC0013	6	A			
8	Greshya s	ENG21EC0035	6	A			
9	Chinmay G Bhat	ENG21EC0023	6	A			
10	Ajith B	ENG22EC1001	6	A			
11	KIRAN B S	ENG22EC1009	6	A			
12	LAKSHMIPATHI M	ENG22EC1011	6	A			
13	Kavya M L	ENG21EC0046	6	A			
14	Brunda R	ENG21EC0017	6	A			
15	RAKSHAK K R	ENG21EC0091	6	B			
16	Krishna	ENG21EC0150	6	B	AB	AB	
17	Prajwal S Kundargi	ENG21EC0087	6	B			
18	Pannati S	ENG21EC0078	6	B		AB	
19	Vishal Raj B N	ENG21EC0142	6	B			
20	VANI DEVANAND LACHYAN	ENG21EC0136	6	B		AB	
21	Suhas M K	ENG21EC0122	6	B			
22	Sanchit V Hebbare	Eng21ec0104	6	B			
23	Manvith R	ENG21EC0060	6	A			
24	Chetan birajdar	ENG21EC0016	6	A			
25	OMKAR S	ENG21EC0075	6	A			
26	MONISHA.B	ENG21EC0067	6	A			
27	N Vrunda Natesh	ENG21EC0068	6	A			

	Name of the Student	USN Number	Semester	Section	(20/02/2024 - FN)	(20/02/2024 - AN)	(23/02/2024 - FN)
28	Spandana R	ENG21EC0114	6	B		AB	
29	Prathik	ENG21EC0089	6	B		AB	
30	Medha Satheesh	ENG21EC0061	6	A		AB	
31	Pikan a hugar	Enh21ec0084	6	B	AB	AB	
32	Syeda Ishrath Zama	ENG21EC0128	6	B			
33	Amit Nilo Gaonkar	ENG22EC1002	6	B			
34	Sandhya Rani R	ENG21EC0105	6	B			
35	Neethu shree U	ENG21EC0072	6	A		AB	
36	Bhoomika S K	ENG21EC0015	6	A		AB	
37	Nanditha.M.U	ENG21EC0069	6	A	AB	AB	
38	Sinchana U Shetty	ENG21EC0110	6	B		AB	
39	Anjana S	ENG21EC0006	6	A			
40	Mohammed Aamir Kittur	ENG21EC0063	6	A			
41	Mallikarjun TD	ENG21EC0055	6	A			
42	Madhuri.v	ENG21EC0054	6	A			
43	LINGARAJ	ENG21EC0052	6	A			
44	Syed Omar	ENG21EC0126	6	B			
45	T M Sai Inchara	ENG21EC0099	6	B	AB	AB	
46	Sanath Kumar M	ENG21EC0103	6	B			
47	SHASHANK GR	ENG21EC0109	6	B			
48	P.Likhita	ENG21EC0077	6	B			
49	Sainath Reddy K	ENG22EC1016	6	B	AB	AB	
50	Vakamalla srilakshmi	ENG21EC0135	6	B	AB	AB	
51	Sudeep kadadevaru	ENG21EC0119	6	B			
52	Mahendra B	ENG20EC0048	6	B			
53	Suyog Kudachi	ENG21EC0124	6	B			
54	P Akhilesh	ENG21EC0076	6	B			
55	Sachin k neeralagi	ENG21EC0098	6	B			
56	Harshith GV	Eng22ec1007	6	B			
57	Rohan D Shetty	ENG21EC0097	6	B	AB	AB	
58	Tejas B R	ENG21EC0129	6	B		AB	
59	Pavan Raja.M	ENG22EC1027	6	B		AB	
60	Thanisha k	ENG21EC0132	6	B			
61	Sneha patil	ENG21EC0112	6	B			
62	Vinay C	ENG21EC0141	6	B			
63	Rajesh	ENG22EC1029	6	B			
64	Tejas S	ENG21EC0131	6	B			

	Name of the Student	USN Number	Semester	Section	(20/02/2024 - FN)	(20/02/2024 - AN)	(23/02/2024 - FN)
65	Pradeep Muddappalavar	ENG21EC0086	6	B			
66	Sai Krishna.nk	Eng21ec0100	6	B			
67	OMKAR S	ENG21EC0075	6	A	Omkar. S	Omkar. S	Omkar S
68	Pramodh RS	ENG21EC0088	6	B	Pramodh	Pramodh	Pramodh
69	Chandan kumar B S	ENG21EC0018	6	A	Chandan	Chandan	
70	Chandalraju Pawankumar Raju	ENG22EC1005	6	A			
71	Charan Gowda K R	ENG21EC0022	6	A			
72	UZMA KOWSER	eng21ec0134	6	B			
73	Sushilkumar A Kotrannavar	ENG21EC0123	6	B			
74	Rakshith Prajwal R S	ENG21EC0093	6	B	Rakshith	Rakshith	
75	Sameer A Nadaf	Eng21ec0102	6	B			
76	LINGARAJ	ENG21EC0052	6	A	Lingaraj	Lingaraj	
77	Sneha doddamani	ENG21EC0113	6	B	— AB —	— AB —	
78	Vikas	ENG21EC0139	6	B			
79	LIKHITH VENKATESH NAIK	ENG21EC0051	6	A			
80	Markov Vladimir	ENGRU01	6	B			
81	Maksim Skobelev	ENGRU02	6	B			
82	Veluri bharath kumar	ENG22EC1033	6	B	V. Bharath	V. Bharath	
83	Rohit D Halemani	ENG22EC1030	6	B			
84	Siva Krishna	ENG21EC0150	6	B			
85	Pavan Kumar SN	ENG22EC1026	6	B			
86	Puneetraj	ENG22EC1028	6	B			
87	Naveen kumar G	Eng21ec0070	6	A	— AB —	— AB —	
88	Sushilkumar A Kotrannavar	ENG21EC0123	6	B	Naveen G	Naveen G	
89	Sneha doddamani	ENG21EC0113	6	B			
90	SRINIVAS SP	ENG21EC0118	6	B		— AB —	
91	Vikas Gowda M S	ENG21EC0140	6	B		— AB —	
92	Sakshi	ENG21EC0101	6	B	Vikas Gowda S	Vikas Gowda N	Vikas Gowda S
93	BRIJESH N	ENG22EC1004	6	A			
94	Kuldeep Sharma K R	ENG22EC1010	6	A	Brijesh	Brijesh	
95	LIKHITH VENKATESH NAIK	ENG21EC0051	6	A			
96	Suhas d naik	ENG21EC0120	6	B	— AB —	— AB —	
97	MOHAN KUMAR M R	ENG21EC0065	6	A			
98	Laleeth Sachin Naik S P	ENG21EC0049	6	A	Mohan	Mohan	
99	Kishan M	ENG21EC0048	6	A			
100	RAKSHAK K R	ENG21EC0091	6	B	Kishan. M	Kishan. M	

	Name of the Student	USN Number	Semester	Section	(20/02/2024 - FN)	(20/02/2024 - AN)	(23/02/2024 - FN
101	Jhenkar N	ENG21EC0042	6	A			
102	Prajwal.m	Eng22ec1014	6	A		AB	
103	Syed Sohel	ENG22EC1032	6	A		AB	
104	Harshita Soni	ENG21EC0037	6	A		AB	
105	Rathod lavanya laxman	ENG21EC0050	6	A	AB	AB	
106	NEERAJA PATIL	ENG21EC0071	6	A	AB	AB	
107	Srinivas Kush	ENG21EC0117	6	B		AB	
108	Anushree G.A	ENG21EC0008	6	A			
109	HIMA.P	ENG21EC0038	6	A			
110	Kavitha.R	ENG21EC0045	6	A			
111	Bindu.M	ENG22EC1003	6	B		AB	
112	Bruva Kumar.H	ENG21EC0033	6	A			
113	Chandana Chitrav	ENG21EC0019	6	A			
114	A. Vanitka	ENG21EC0002	6	A			
115	Aparna.B	ENG21EC0009	6	A		AB	
116	Aparna.R	ENG21EC0005	6	A		AB	
~~117~~	~~Vikas Gowda A.C~~	~~ENG21EC0140~~	~~6~~	~~B~~		AB	
117	Deepthi M	ENG21EC0043	6	A			
118	Sindhu.S	ENG21EC0111	6	B		AB	
119	Lingaraj	ENG22EC1023	6	A			
120	G.M.Harshith	ENG21EC0034	6	A			
121	Atal.M.Kadla	ENG21EC0011	6	A			
122	Sanjay Kavethi	ENG21EC0107	6	B			
123	Saiviyas	ENG21EC0116	6	B			
124	Syed Omar	ENG21EC0127	6	B		AB	
125	Omkar.S	ENG21EC0075	6	A			
126	Pasula.Rajendra	ENG21EC0080	6	B			
127	Dipak Saha	ENG21EC0026	6	A			
128	Rohan.A.R	ENG21EC0096	6	B			
129	Monika.T	ENG22EC1024	6	A			

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This is to certify that

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Report on

Value Added Course: Recent Trends and Advancement in Electronics

The Department of Electronics and communication has successfully completed the national level value added course on "recent trends and application in electronics". The course was conducted between 19/2/2024 and 27/2/2024 for 30 hours at DSU, Kudlu Gate, Bangalore. The course was organised by Dr. Saara K, Associate Professor, ECE. The coordinators of the event are Dr Vinu R ,Prof. Jisy NK and Prof. Sivasankari S S. The active participation of the dedicated staff and enthusiastic students contributed significantly to the course's success.

Objectives:

The objectives of the course are:

- To provide students with in-depth knowledge about VLSI, ASIC Design Flow: RTL to GDSII.
- To understand the process Post Silicon Bring-up and System Validation Emulation Flow.
- To facilitate the students to understand the concepts in Connected Solutions in Automotive world, Firmware Version Control with Git.
- To give students insights about Introduction to Keil for Embedded and System on chip in FPGA.

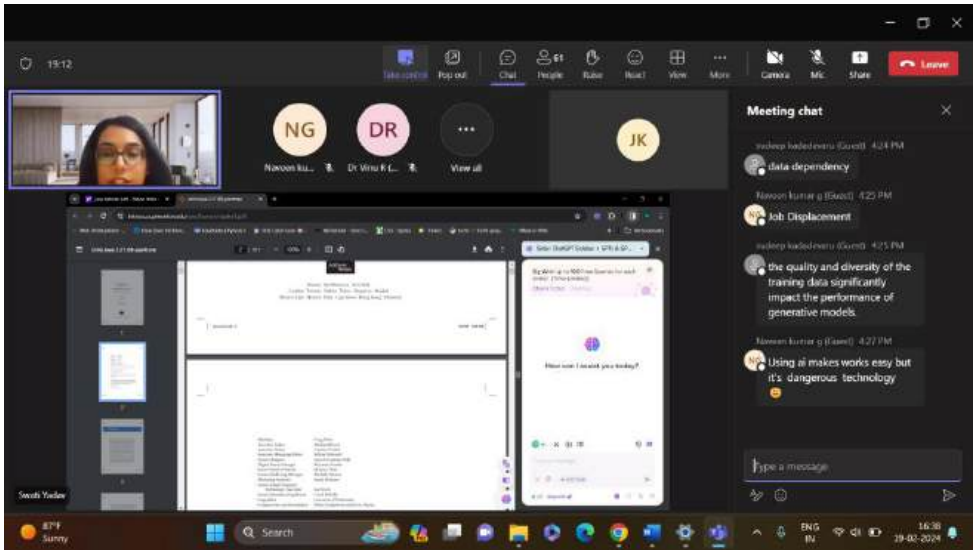
Day 1:

Date: 19/2/2024

Resource person: Ms.Swati Yadav Master
Trainer, Edunet Foundation.

Topic: Generative AI

In this session students learnt about the generative AI and its application. The session gave the insight on AI advancement. She focused how to generate new data samples, images, text and other types of content that resemble the existing data. The students had an overview in encoders, text to image generation.



Day 2:

Date: 20/2/2024
Session: 1
Resource person: Mr. Karthikeyan B
Group Manager Software Development
Volvo Group

Topic: Connected Solutions in Automotive world and the role of DevOps in this ecosystem

In this session the resource person gave an insight on connected solution in the automotive. Students understood the challenges in the automotive world and how the connected solution solves the daily problems faced. The resource person also explained about the different SDC like waterfall, agile methodologies for developing the solutions.





Session: 2
Resource person: Mr. Prasad Rallabandi
Founder and CEO of THINSIL Technologies

Topic: Way to VLSI

In this session the resource person explained about the way to VLSI. Students what are the different job roles available in current industry and its demand. He shed the spotlight on different technologies used in the integration of circuits.



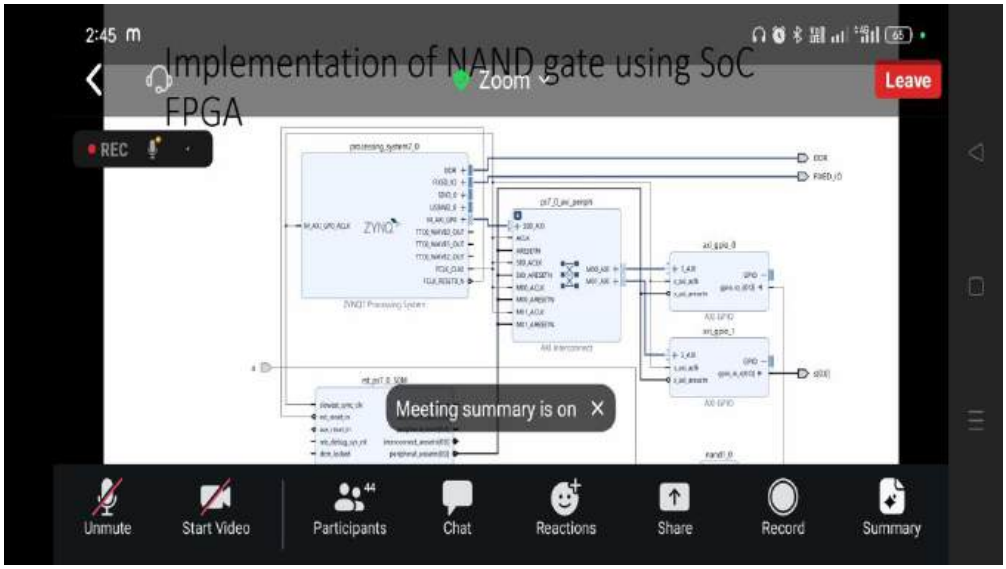
Day 3:

Date: 21/2/2024

Resource person: Prof. Abhinav Karan
Assistant Professor, DSU

Topic: Firmware Version Control with Git

In this session the resource person gave hands on experience on managing firmware version with GIT by initializing Git repository, create branches, commit changes on them, and perform version control. The students gained the knowledge on firmware control with git to ensures the stability and reliability of firmware throughout its lifecycle.



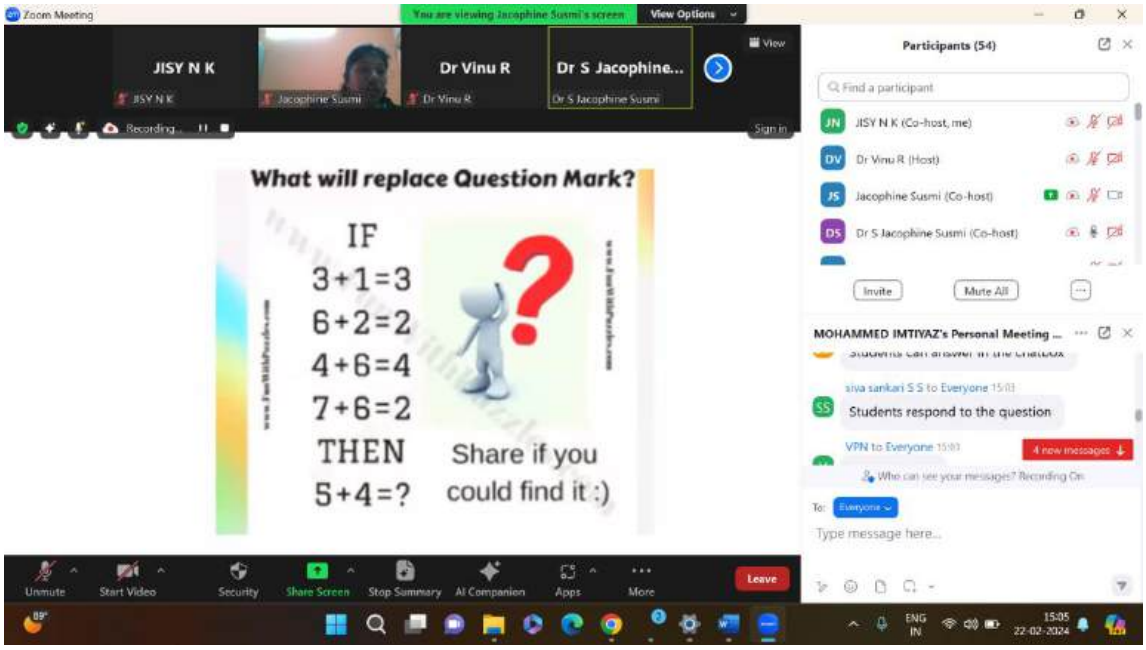
Day 4:

Date: 22/2/24
Session: 1

Resource person: Dr. S. Jacophine Susmi
University College of Engineering, Tindivanam

Topic: Trends and applications of ML

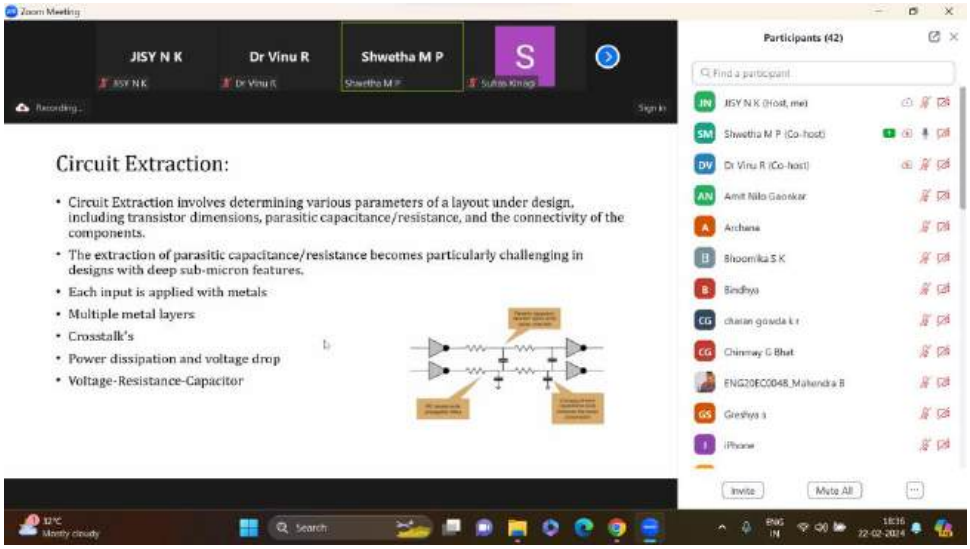
The speaker gave an insight talk on Trends and application of ML and demonstrates the versatility and potential of ML across industries, driving innovation and advancements in various domains.



Session: 2
Resource person: Prof. Swetha M P
Assistant Professor, DSU

Topic: ASIC Design Flow: RTL to GDSII

The students gained the knowledge how the design flow of ASIC. They understood the step by step process from RTL to GDSII. Students got insight on the specifications, architecture design and RTL design. He understood about the verification process, synthesis along with timing analysis. The speaker gave the insight on manufacturing and post silicon validation also.



Day 5:

Date: 23.02.2024

Session: 1

Resource Person: Mr. Mahesh Devagiri
Engineering Manager, Qualcomm

Topic: Pre and Post Silicon Bring-up and System Validation Emulation Flow

The speaker gave the insight from the pre silicon process that includes pre silicon validation, conduct functional verification and emulation. The validation of software drivers, firmware and application that will run on ASIC once its fabricated were also highlighted in this session. The speaker shed light on post silicon bring up like debugging any issues using logic analyzers and system integration, validation.

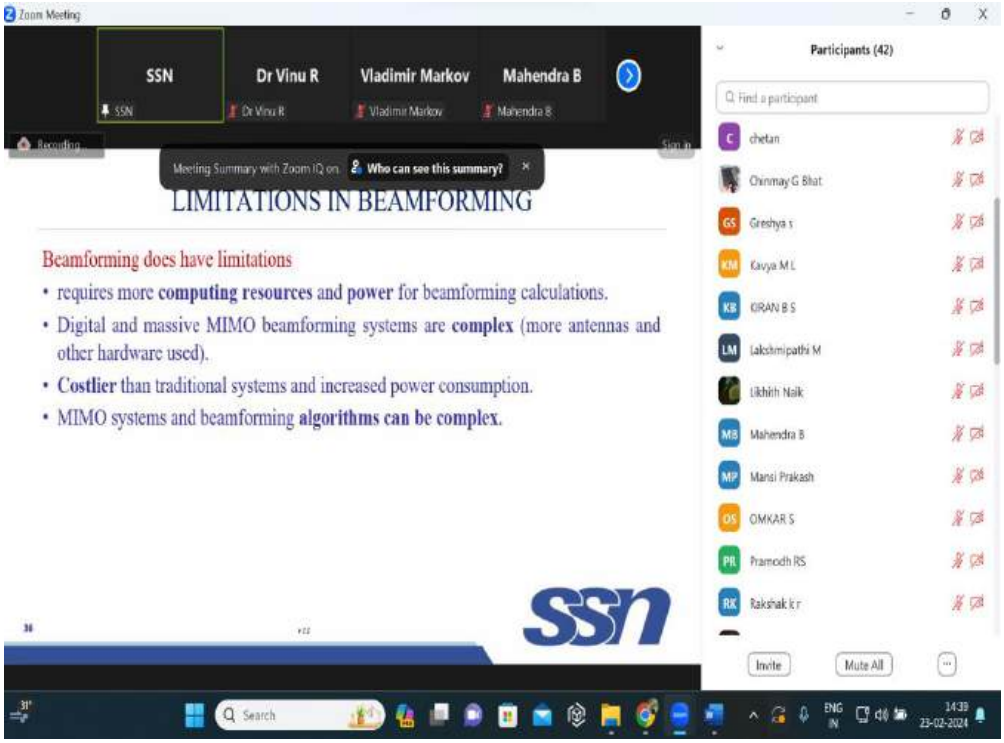


Session: 2

Resource person: Dr. K J Jegadish Kumar
Associate Professor, SSN Institutions
Chennai

Topic: Zero battery Circuits

In this session the speaker explained about the circuit design that operates without the need for external power source such as battery. The circuit design for zero battery was focused.



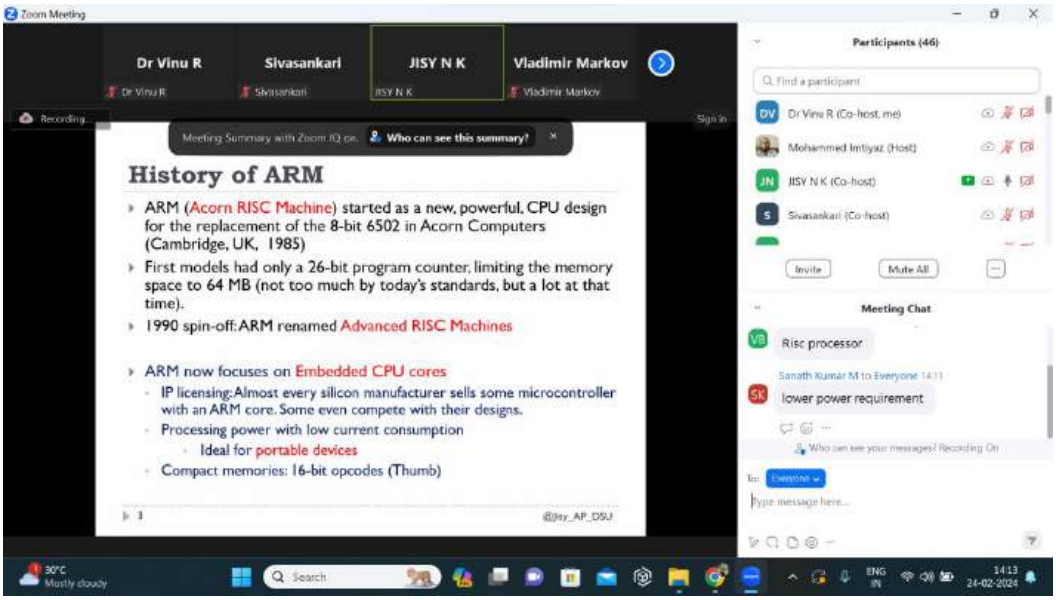
Day 6:

Date: 24.02.2024

Resource person**:** Prof. Jisy N K
Assistant Professor, DSU

Topic: Introduction to Keil for Embedded

The lecture provided a comprehensive overview of embedded system and the different Architectures used in them. She demonstrated the keil micro vision for programming embedded systems particularly based on ARM microcontroller. Students understood how to setup a project, code the development, compilation, debugging and simulation.



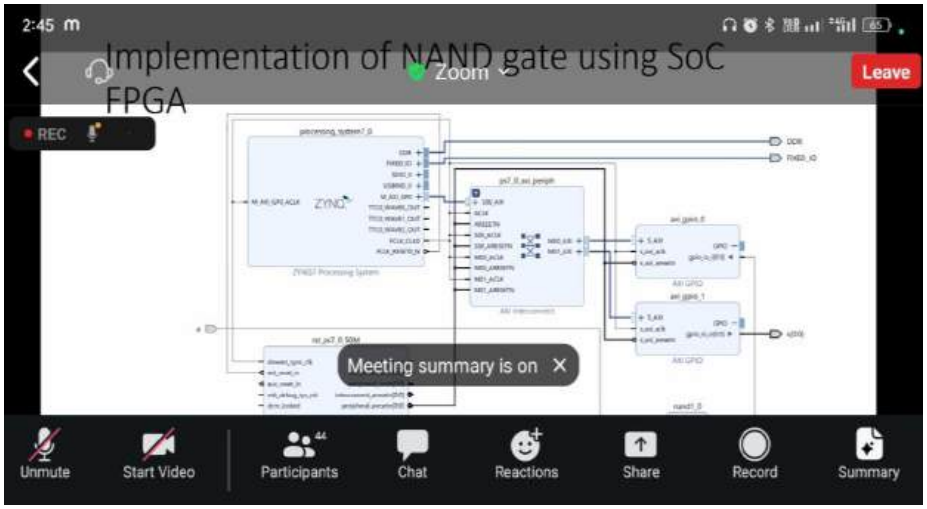
Day 7:

Date: 27.02.2024

Resource person: Dr. Shirshendu Roy
Assistant Professor, DSU

Topic: Introduction to SoC

The students gained the knowledge in the system on chip that incorporates various components. The implementation of SoC using FPGA was discussed. He explained about memory interfaces, peripheral interface and how the system interconnects, configuration of sircuits.



Feedback :

Feedback for the value added course on "Recent trends and advancement in electronics" was gathered from students using Google Forms at the end of each day, Students were encouraged to provide their insights on various aspects of the course, including content, overall satisfaction, effectiveness of the sessions in achieving its stated objectives and presentation by resource person. Overall, the feedback reflects that the objectives of the course were met, and participants gained valuable insights into recent trends and advancement in electronics.

Brochure Copy:



Conclusion:

In summary, the value added course on "Recent trends and advancement in electronics" provided students with an opportunity to learn the fundamental principles of various intricacies that form the basis of various concepts are applied in real-world scenarios, particularly in the realms of VLSI, Embedded system, pre & post silicon bring up and system on chip.

Dayananda Sagar University
School of Engineering
Kudlu Gate, Hosur Main Road, Bengaluru - 560068

Department of Electronics and Communication Engineering
National Level Value Added Course on (Hybrid mode)
"RECENT TRENDS AND ADVANCEMENTS IN ELECTRONICS"

Course Contents

- Pre and Post Silicon Bring-up and System Validation Emulation Flow
- Connected Solutions in Automotive world and the role of DevOps in this ecosystem
- Way to VLSI
- Introduction to SoC
- Introduction to Keil on Embedded
- Trends and applications of ML
- Zero battery Circuits

Course Speakers



Mr. Karthikeyan B
Group Manager Software Development, Volvo Group



Mr. Mahesh Devagiri
Engineering Manager, Qualcomm



Mr. Prasad Rallabandi
Founder and CEO THINSIL Technologies



Dr. K J Jagadish Kumar
Associate Professor, SSN Institutions, Chennai



Dr. S. Jacophine Susmi
Assistant Professor, University College of Engg, Tindivanam



Prof. Swetha M P
Assistant Professor, DSU



Dr. Shirshendu Roy
Assistant Professor, DSU



Ms.Swati Yadav Master Trainer, Edunet Foundation



Prof. Jisy N K
Assistant Professor, DSU



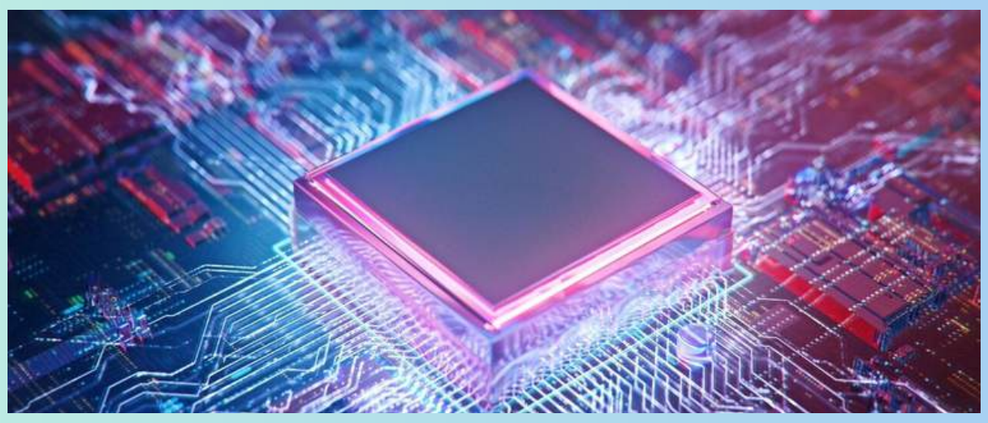
Prof. Abhinav Karan
Assistant Professor, DSU

Chief Patrons

Dr. D Hemachandra Sagar, Chancellor
Dr. Premachandra Sagar, Pro - Chancellor

Patrons

Shri. Galliswamy, Secretrary,DSI
Dr. Amit R Bhatt, Vice Chancellor
Prof. R Janardhan, Pro-Vice Chancellor
Dr. Puttamadappa, Registrar



Free Registration

Link : https://forms.gle/cM6Fd3T2oHD3eBeL7

E-certificates will be provided to all the participants

Event Details

Date: 19.02.2024 - 27.02.2024
Duration: 30 hrs
Venue: Gallery Hall, A Block

Conveners

Dr. Udaya Kumar Reddy K R, Dean , SOE
Dr. Arun Balodi, Chairman - ECE

Organizer

Dr. Saara K
Associate Professor
ECE Department

Co-ordinators

Dr. Vinu R
Prof. Jisy N K
Prof. Sivasankari S S

Dayananda Sagar University Bengaluru

AUTODESK

Department of Mechanical Engineering

Autodesk Innovation Lab



A Value-added course on

"Generative Design with Autodesk Fusion 360"

25th Sep–7th Oct 2023

Timings: 01:45 pm to 04:45 pm



What is Generative Design?

Generative design harnesses the power of artificial intelligence (AI) to generate design iterations based on constraints identified by the designer or engineer. Typically, generative design is used to reduce weight, reduce manufacturing costs, and optimize part performance. Unlike topology optimization, the software explores all the possible permutations of a solution, quickly generating design alternatives.

Course Coordinator:
Dr. Shashidhar L C,
Autodesk Lab Manager, DSU

Venue:
Autodesk Innovation Laboratory,
Dayananda Sagar University,
Kudlu Gate, Hosur Main Road,
Bengaluru – 560068

Scan QR & Register!

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Department of Mechanical Engineering

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A Value-added course

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25th September – 7th October 2023

Timings: 01:45 pm to 04:45 pm

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Course Coordinator:
Dr. Shashidhara L C
Asst. Professor,
Dept of Mechanical Engg.
Dayananda Sagar Univerity

Course Objectives:
1. To understand the generative design principles, features and applications.
2. Discuss how trends such as generative design concepts are influencing innovation and how things are made.
3. Develop a deep understanding of key concepts of generative design
4. Demonstrate creative confidence and practice generative design using Autodesk Fusion 360 software.
5. Creating optimized complex shapes and internal lattices
6. Open ended projects on generative design

Certification:
Certificate of participation will be issued to participants who have attended all the sessions.

Location:
Autodesk Innovation Laboratory,
Dayananda Sagar University,
Kudlu Gate, Hosur Main Road, Bengaluru – 560068

Duration: 30 Hours

Target Students:
B.Tech, Mechanical Engg. 5th Semester

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What is Generative Design?

Generative design a technique for discovering new and optimized designs. Designer or engineer; Enter design objectives using criteria including performance, material, cost, and production process. The program computes all potential outcomes of the solution and creates design alternatives using the computing power of the cloud. At each iteration, the outcome is tested to determine what works and what doesn't.

With the help of this technology, users of productive design can resolve complex engineering issues like: Assembling parts by lowering the overall number of parts and components; Reducing the weight of parts and components by using the least amount of material to make the parts as effective as possible; and Increasing performance by designing stronger parts and components.

Course Objectives:

1. To understand the generative design principles, features and applications.
2. Discuss how trends such as generative design concepts are influencing innovation and how things are made.
3. Develop a deep understanding of key concepts of generative design
4. Demonstrate creative confidence and practice generative design using Autodesk Fusion 360 software.
5. Creating optimized complex shapes and internal lattices
6. Open ended projects on generative design

Course Contents:

Introduction to generative design, The Difference Between Topology Optimization and Generative Design, The Changing Role of the Engineer in Generative Design, Applications of Generative Design, Benefits of Generative Design, Software Tools for Generative Design, Generative Design and 3D Printing, Why Generative Design and 3D Printing Work Well Together, Case Studies: Generative Design and 3D Printing in Action, Getting Started With Generative Design, Generative Design: Innovating the Future.

Using Generative Design in Fusion 360, Examining the Features of the Target Design, creating a New Generative Design Project, Preserve Geometries, Obstacle Geometries, Starting Shape and its Features, Specifying Constraints, Specifying the Forces Affecting the Part, Specifying Criteria for Generative Design, Generative outcomes, Solving a generative design study. Viewing outcomes, selecting an appropriate iteration, and creating a design that can be further manipulated in Fusion 360. Work with a generative design outcome in Fusion 360.

Course Outcomes:

1. Describe the generative design principles, features and applications.
2. Summarize how trends such as generative design concepts are influencing innovation and how things are made.
3. Demonstrate a deep understanding of key concepts of generative design
4. Demonstrate creative confidence and practice generative design using Autodesk Fusion 360 software.
5. Create optimized complex shapes and internal lattices
6. Analyse the generative design outcomes

Sl. No.	USN	Name	Semester	Program
1	ENG20ME0012	MOHAN S	7th Semester	B.Tech in Mechanical Engineering
2	ENG20ME0018	SIDDHARTH S	7th Semester	B.Tech in Mechanical Engineering
3	ENG21ME1001	ARBAZ.S	7th Semester	B.Tech in Mechanical Engineering
4	ENG21ME1002	AJITH.R	7th Semester	B.Tech in Mechanical Engineering
5	ENG21ME1003	AKSHARA KASHYAP	7th Semester	B.Tech in Mechanical Engineering
6	ENG21ME1006	CHETHAN S	7th Semester	B.Tech in Mechanical Engineering
7	ENG21ME1007	DARSHAN REDDY M	7th Semester	B.Tech in Mechanical Engineering
8	ENG21ME1008	DHANUSH RAJ K	7th Semester	B.Tech in Mechanical Engineering
9	ENG21ME1010	GIRISH B	7th Semester	B.Tech in Mechanical Engineering
10	ENG21ME1011	K GUNASEKAR	7th Semester	B.Tech in Mechanical Engineering
11	ENG21ME1013	MANOJ	7th Semester	B.Tech in Mechanical Engineering
12	ENG21ME1016	PAVAN M	7th Semester	B.Tech in Mechanical Engineering
13	ENG21ME1021	SANGAMESH	7th Semester	B.Tech in Mechanical Engineering
14	ENG21ME1022	SHAKTHI PRASAD	7th Semester	B.Tech in Mechanical Engineering
15	ENG21ME1024	V SHIVU KUMAR	7th Semester	B.Tech in Mechanical Engineering
16	ENG21ME1025	VISHNU D	7th Semester	B.Tech in Mechanical Engineering
17	ENG21ME1026	VISHWAS VS	7th Semester	B.Tech in Mechanical Engineering
18	ENG21ME0006	IMPANA.R	5th Semester	B.Tech in Mechanical Engineering
19	ENG21ME0008	MANISH.M	5th Semester	B.Tech in Mechanical Engineering
20	ENG21ME0011	PRANAV CHINTHALA	5th Semester	B.Tech in Mechanical Engineering
21	ENG21ME0013	RAHUL NAG	5th Semester	B.Tech in Mechanical Engineering
22	ENG21ME0015	SANATH M	5th Semester	B.Tech in Mechanical Engineering
23	ENG21ME0017	TANZIYA	5th Semester	B.Tech in Mechanical Engineering
24	ENG22ME1003	DHANUSH LAD R	5th Semester	B.Tech in Mechanical Engineering
25	ENG22ME1005	GURUPADA J S	5th Semester	B.Tech in Mechanical Engineering
26	ENG22ME1007	SHASHANK AG	5th Semester	B.Tech in Mechanical Engineering
27	ENG22ME1008	SUDARSHAN SG	5th Semester	B.Tech in Mechanical Engineering
28	ENG22ME1010	A MAHAMMAD RAIF	5th Semester	B.Tech in Mechanical Engineering

Dayananda Sagar University

School of Engineering

Department of Mechanical Engineering

Autodesk Design & Innovation Laboratory

A Value-added course on "Generative Design with Autodesk Fusion 360"

25th September – 7th October 2023, Timings: 01:45 pm to 04:45 pm

AUTODESK

Attendance Sheet

Sl. No.	USN	Name	25-09-2023	26-09-2023	27-09-2023	29-09-2023	30-09-2023	03-10-2023	04-10-2023	05-10-2023	06-10-2023	07-10-2023
1	ENG20ME0012	MOHAN S										
2	ENG20ME0018	SIDDHARTH S	-AB-									
3	ENG21ME1001	ARBAZ.S										
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7	ENG21ME1007	DARSHAN REDDY M				-AB-						
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27	ENG22ME1008	SUDARSHAN SG										
28	ENG22ME1010	A MAHAMMAD RAIF										


GPS Map Camera
Bengaluru,KA,India
Singasandra, Bengaluru, 560068, KA, India
Lat 12.887490, Long 77.642602
09/25/2023 02:52 PM GMT+05:30
Note : Captured by GPS Map Camera
Maps


GPS Map Camera
Bengaluru,KA,India
Singasandra, Bengaluru, 560068, KA, India
Lat 12.887436, Long 77.642584
09/25/2023 02:52 PM GMT+05:30
Note : Captured by GPS Map Camera
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GPS Map Camera
Bengaluru,KA,India
Singasandra, Bengaluru, 560068, KA, India
Lat 12.887462, Long 77.642604
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GPS Map Camera
Bengaluru,KA,India
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MOHAN S

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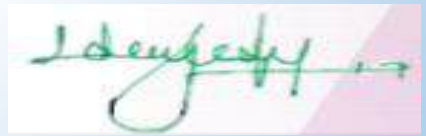
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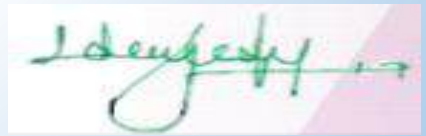
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MANISH.M

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SANATH M

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Conducted from 25th September- 7th October, 2023.



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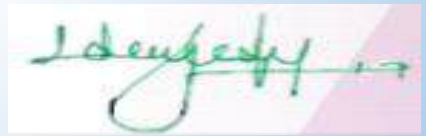
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TANZIYA

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DHANUSH LAD R

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SHASHANK AG

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Department of Mechanical Engineering

SCHOOL OF ENGINEERING

Value Added Course

on

ANSA Preprocessor (FEM)

For

6th Semester Students

Date: 14-03-2024 to 05-04-2024

Venue: G037, Block B- DSU- Kudlu Gate

Organized by Department of Mechanical Engineering, SoE-DSU in Association with BETA SIMULATION SYSTEMS-Bangalore



Distinguished Speaker

Dr. Aruna M N

Beta CAE Systems Pvt. Ltd.

Bangalore, Karnataka, India.

Brief Introduction

Dr. Aruna M N obtained his PhD degree from NIT Karnataka in the filed of Metallurgical and Materials Engineering. He was awarded M Tech from VTU in Computational Analysis in Mechanical Science. He has diverse experience both in academics as well as in industry. He is interested in characterization tools such as Rheometer, X Ray diffraction, VSM, FTIR, SEM and UTM. Currently he is training coordinator at BETA CAE Systems, Bangalore.

Advisory Committee

- Dr. Amit Bhatt, Vice Chancellor, DSU
- Dr. C.Puttamadappa, Registrar, DSU
- Dr.Udaya Kumar Reddy K R, Professor & Dean-SoE, DSU
- Dr. Vinayak Hemadri -Chairman Mechanical Engineering Department

Convener: Dr. Kamalbabu, Assistant Professor- ME
Co-Conveners: 1) Dr. P. M. G. B. Asdaque, Assistant Professor -ME 2) Prof. Karthik Tandel -Aerospace

Week_01 (ANSA TRAINING BETA CAE SYSTEMS)					
Date (14/03/24 to 15/03/2024)	Session - I (10:00 - 11:00)	Session -II (11:15 - 1:00)	Lunch Break (1:00-2:00)	Session -III (2:00-3:00)	Session -III (3:00-4:00)
Day_01(Thursday)	Introduction to FEA - Basics	Introduction to ANSA GUI- Main terms and GUI		Hands on Practice	Hands on Practice
Day_02 (Friday)	Geometry healing -Using Classic Topo,Prepartion and Design Tool using Topo Sets	Middle Surf. Extraction (i.e.: Skin, Midle single and multi)		Hands on Practice	Hands on Practice
Week_02					
Date (21/03/24 to 22/03/2024)	Session - I (10:00 - 11:00)	Session -II (11:15 - 1:00)	Lunch Break (1:00-2:00)	Session -III (2:00-3:00)	Session -III (3:00-4:00)
Day_01(Thursday)	Surface Meshing-Main terms of classic Mesh Mesh parameter and quality criteria	Surface Meshing-Main terms of classic Mesh Mesh parameter and quality criteria		Hands on Practice	Hands on Practice
Day_02 (Friday)	Surface Meshing-Main terms of shell Mesh parameter and quality criteria	Surface Meshing-Main terms of shell Mesh Mesh parameter and quality criteria		Hands on Practice	Hands on Practice
Week_03					
Date (28/03/24)	Session - I (10:00 - 11:00)	Session -II (11:15 - 1:00)	Lunch Break (1:00-2:00)	Session -III (2:00-3:00)	Session -III (3:00-4:00)
Day_01(Thursday)	Batchmeshing - Batchmesh filters, Mesh parameters ,reports and statistics	Introduction to ANSA GUI- Main terms and GUI		Hands on Practice	Hands on Practice
Week_04					
Date (04/04/24 to 05/04/2024)	Session - I (10:00 - 11:00)	Session -II (11:15 - 1:00)	Lunch Break (1:00-2:00)	Session -III (2:00-3:00)	Session -III (3:00-4:00)
Day_01(Thursday)	Handling of Sheetmetal features Identification of features like holes, stamps, beads etc, and definition of design actions, mesh treatment	Handling of Sheetmetal features Identification of features like holes, stamps, beads etc, and definition of design actions, mesh treatment		Hands on Practice	Hands on Practice
Day_02 (Friday)	Introduction to Part Manager, Property and Material assignment	Introduction to Part Manager, Property and Material assignment		Hands on Practice	Hands on Practice

Week_05(ANSA TRAINING BETA CAE SYSTEMS)					
Date (11/04/24 to 12/04/2024)	**Session - I (10:00 - 11:00)**	**Session -II (11:15 - 1:00)**	**Lunch Break (1:00-2:00)**	**Session -III (2:00-3:00)**	**Session -III (3:00-4:00)**
Day_01(Thursday)	Plastic Mid Extraction (Manual)	Plastic Mid Extraction (Manual)		Hands on Practice	Hands on Practice
Day_02 (Friday)	Casting - Align manager - Area and perimeter definition	Casting - Align manager - Area and perimeter definition		Hands on Practice	Hands on Practice
Week_06					
Date (18/04/24 to 19/04/2024)	**Session - I (10:00 - 11:00)**	**Session -II (11:15 - 1:00)**	**Lunch Break (1:00-2:00)**	**Session -III (2:00-3:00)**	**Session -III (3:00-4:00)**
Day_01(Thursday)	Casting - Align manager - Area and perimeter definition	Casting - Align manager - Area and perimeter definition		Hands on Practice	Hands on Practice
Day_02 (Friday)	Casting - Align manager - Area and perimeter definition	Casting - Align manager - Area and perimeter definition		Hands on Practice	Hands on Practice
Week_07					
Date (25/04/24) to 26/04/2024	**Session - I (10:00 - 11:00)**	**Session -II (11:15 - 1:00)**	**Lunch Break (1:00-2:00)**	**Session -III (2:00-3:00)**	**Session -III (3:00-4:00)**
Day_01(Thursday)	Tetrahedral and Hexahedral mesh generation Overview of map, extrude, solid build options and mesh quality corrections	Tetrahedral and Hexahedral mesh generation Overview of map, extrude, solid build options and mesh quality corrections		Hands on Practice	Hands on Practice
Day_02 (Friday)	Morphing module for design modifications using DFM	Morphing module for design modifications using DFM		Hands on Practice	Hands on Practice
Week_08					
Date (02/05/24 to 03/05/2024)	**Session - I (10:00 - 11:00)**	**Session -II (11:15 - 1:00)**	**Lunch Break (1:00-2:00)**	**Session -III (2:00-3:00)**	**Session -III (3:00-4:00)**
Day_01(Thursday)	Boundary condition for static load case Analysis	Boundary condition for modal analysis		Hands on Practice	Hands on Practice
Day_02 (Friday)	Coupling of ANSA with optimizers Creation of parameters, DOE (Design of Experiments) for linear cases	Coupling of ANSA with optimizers Creation of parameters, DOE (Design of Experiments) for linear cases		Hands on Practice	Hands on Practice

ANSA Course Content for Universities

Course Objectives:

- To enable students to learn and apply ANSA – a finite element pre-processor for industry problems
- To enable students to learn the process for complex FEM (Finite Element Modelling) for structural and CFD analyses using 2D & 3D elements for selected industry problems, including how to model mechanical joints (welds, bolts, rivets etc.), mid-surface extraction, joining of different sub-systems, basic quality checks etc.
- Full model checks as per the industry standards

Course Achievements:

At the end of this course, the student will be able to:

- Explain current trends pertaining finite element modelling and analysis of industry problems
- Understand the quality requirements of complex finite element models per industry standards
- Able to use ANSA for meshing of FE (Finite Element) analyses – structural and CFD
- Able to provide complex loads and boundary conditions
- Able to provide material inputs for linear and non-linear materials
- Able to run basic FE (Finite Element) analyses

Unit 1: 20 Hours

- Introduction to FEA
  Overview of FEA with some basic examples and explaining the importance of mathematical model generation to carry out different analyses
- Reading and translation of CAD files and introduction to TOPO menu
  Main terms of TOPO Menu, changing FEM disciplines between different menus, Geometry clean up, preparing model for surface meshing, switch to Mesh menu and explain about some basic options in Mesh menu ex: perimeters, macros, mesh generator etc.
- Meshing for Sheetmetal and plastic parts
  Middle Surface Extraction approach like Skin and Casting, Mesh generation and Quality corrections

Unit 2: 20 Hours

- Introduction to Part Manager, Property and Material assignment
  Creating parts, groups and meta data carried from CAD software, assigning property and materials for entities
- Handling of Sheetmetal features
  Identification of features like holes, stamps, beads etc, and definition of design actions, mesh treatment. Collaboration of feature manager with morphing module.
- Connections of Parts
  Overview of connection manager, different types of weld representation (seam weld, spot weld), and bolt definition (both 1D and 3D)
- Boundary condition for static load case
  Preparing model to carry out linear load case like SPC, load definition (point load and distributed load), header creation and output the file in industry standard solver format

Unit 3: 4 Hours

- Tetrahedral and Hexahedral mesh generation
  Typical solid parts demonstration to generate 2D tria mesh and convert them to tetra mesh. Overview of map, extrude, solid build options and mesh quality corrections.

Unit 4: 5 Hours

- Hybrid mesh generation for CFD external aerodynamics
  Geometry healing, batch mesh scenarios, quality corrections, mesh refining process like size box and layer generation. Overview of interfaces using property cards. 3D model generation with solution details.

Unit 5: 6 Hours

- Morphing module for design modifications
  DFM (Direct Fit Morphing) options like rotate, translate, glide, sweep etc for external aerodynamics 2D mesh model
- Coupling of ANSA with optimizers
  Creation of parameters, DOE (Design of Experiments) for linear cases

Reference Books:

1: ANSA version 22 Tutorial Guide - 2021

Dayananda Sagar University
School of Engineering
Department of Mechanical Engineering

Value Added Course on ANSA Preprocessor (FEM)

Class: VI Semester B.Tech. Mechanical Engineering (EVEN Semester 2023-2024)
Venue: G-037 (LAB-3) B Block Ground floor

Participants List

Sl. No.	Student Name	USN
1	ABHISHEK K M	ENG21ME0001
2	ADI T SRINIVASAN	ENG21ME0002
3	ADITYA RAMANA	ENG21ME0003
4	DAVID KOLA	ENG21ME0004
5	GOWTHAM RATHORE	ENG21ME0005
6	IMPANA R	ENG21ME0006
7	KAILASH BHANARAM PATEL	ENG21ME0007
8	MANISH M	ENG21ME0008
9	MOHAMMED YASER MATEEN	ENG21ME0009
10	PRANAV CHINTHALA	ENG21ME0011
11	PUNITH S KALYANKAR	ENG21ME0012
12	RAHUL NAG N	ENG21ME0013
13	RISHON PAUL	ENG21ME0014
14	SANATH M	ENG21ME0015
15	SYED SHAMSULLA	ENG21ME0016
16	TANZIYA BEGUM	ENG21ME0017
17	AGATE AMEY CHANDRAKANT	ENG21ME0018
18	AVUTHU. HARI KRISHNA REDDY	ENG22ME1001
19	DEVA L	ENG22ME1002
20	DHANUSH LAD R	ENG22ME1003
21	GIRIZH AMUTHAN. N	ENG22ME1004
22	GURUPADA J S	ENG22ME1005
23	NAVEEN V	ENG22ME1006
24	SHASHANK A GOKHALE	ENG22ME1007
25	SUDARSHAN S G	ENG22ME1008
26	THIRUMALA GN	ENG22ME1009
27	A MAHAMMAD RAIF	ENG22ME1010
28	MOHAMMED RAIYAN	ENG22ME1011
29	P SUDARSHAN	ENG22ME1012
30	PAVAN KUMAR S	ENG22ME1013
31	SATISH	ENG22ME1014

Convener

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7	KAILASH BHANARAM PATEL	ENG21ME0007					
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11	PUNITH S KALYANKAR	ENG21ME0012					
12	RAHUL NAG N	ENG21ME0013					
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15	SYED SHAMSULLA	ENG21ME0016					
16	TANZIYA BEGUM	ENG21ME0017					
17	AGATE AMEY CHANDRAKANT	ENG21ME0018					

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20	DHANUSH LAD R	ENG22ME1003	4.5	3	3	3	3
21	GIRIZH AMUTHAN. N	ENG22ME1004	0	0	0	0	0
22	GURUPADA J S	ENG22ME1005	5	5	5	5	5
23	NAVEEN V	ENG22ME1006	5	5	5	5	5
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30	PAVAN KUMAR S	ENG22ME1013	3	2	1	1	1
31	SATISH	ENG22ME1014	3	3	Satish	Satish	Satish3

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CERTIFICATE OF PARTICIPATION

This Certificate is presented to

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for participating in the above course .

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Dr. Udaya Kumar Reddy K R
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School of Engineering
DSU

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BENGALURU – 562 112

SCHOOL OF ENGINEERING

Value Added Course on

"ANSA Preprocessor (FEM)"

14th March to 05th April, 2024.

Organized by Department of Mechanical Engineering, SoE-DSU

in Association with

BETA SIMULATION SYSTEMS-Bangalore

CERTIFICATE OF PARTICIPATION

This Certificate is presented to

Mr. MOHAMMED YASER MATEEN

of 6th Semester B.Tech. Mechanical Engineering Student

for participating in the above course .

Dr. Vinayak B Hemadri
Professor & Chairperson
Department of Mechanical Engineering
SoE, DSU

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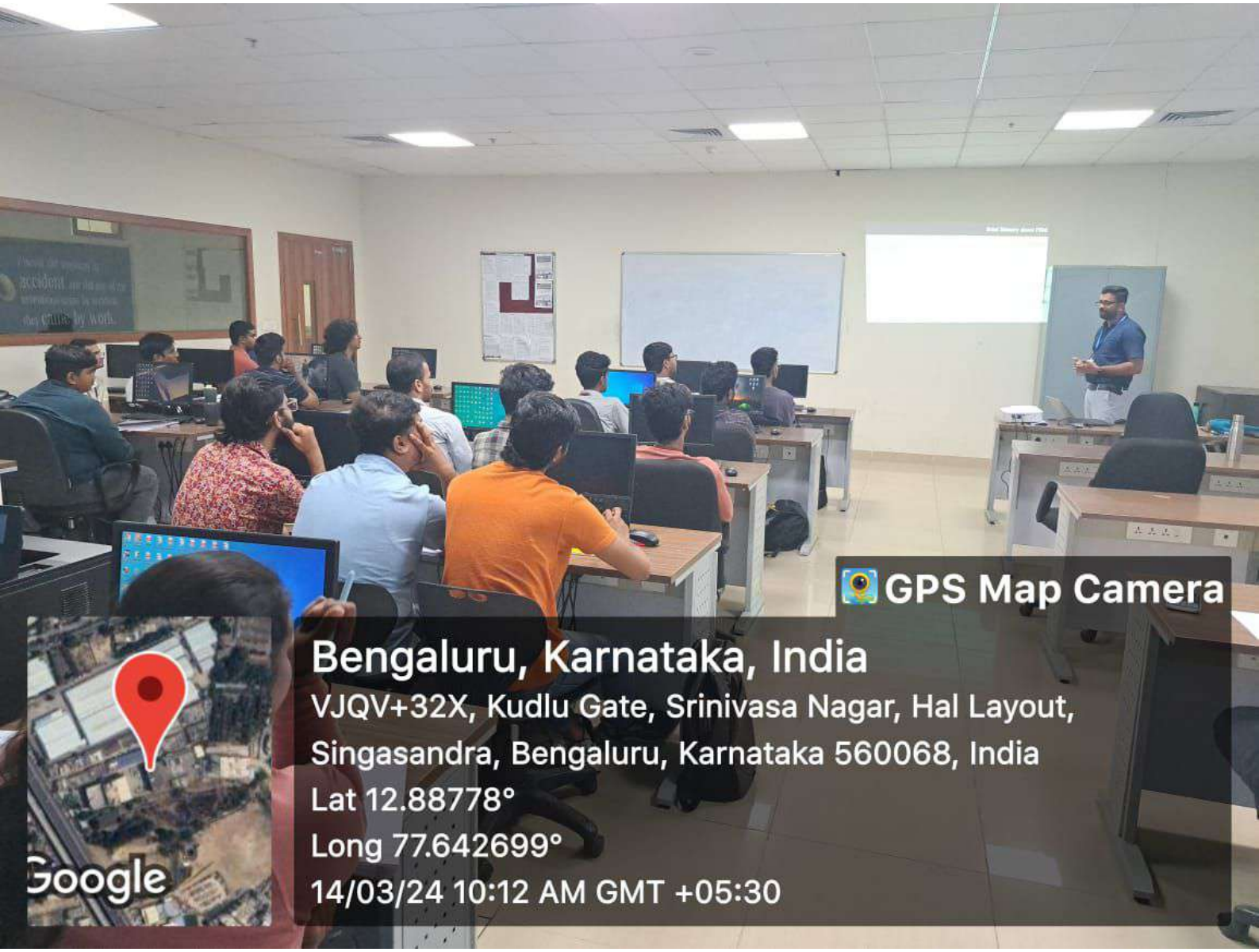
Mr. SATISH

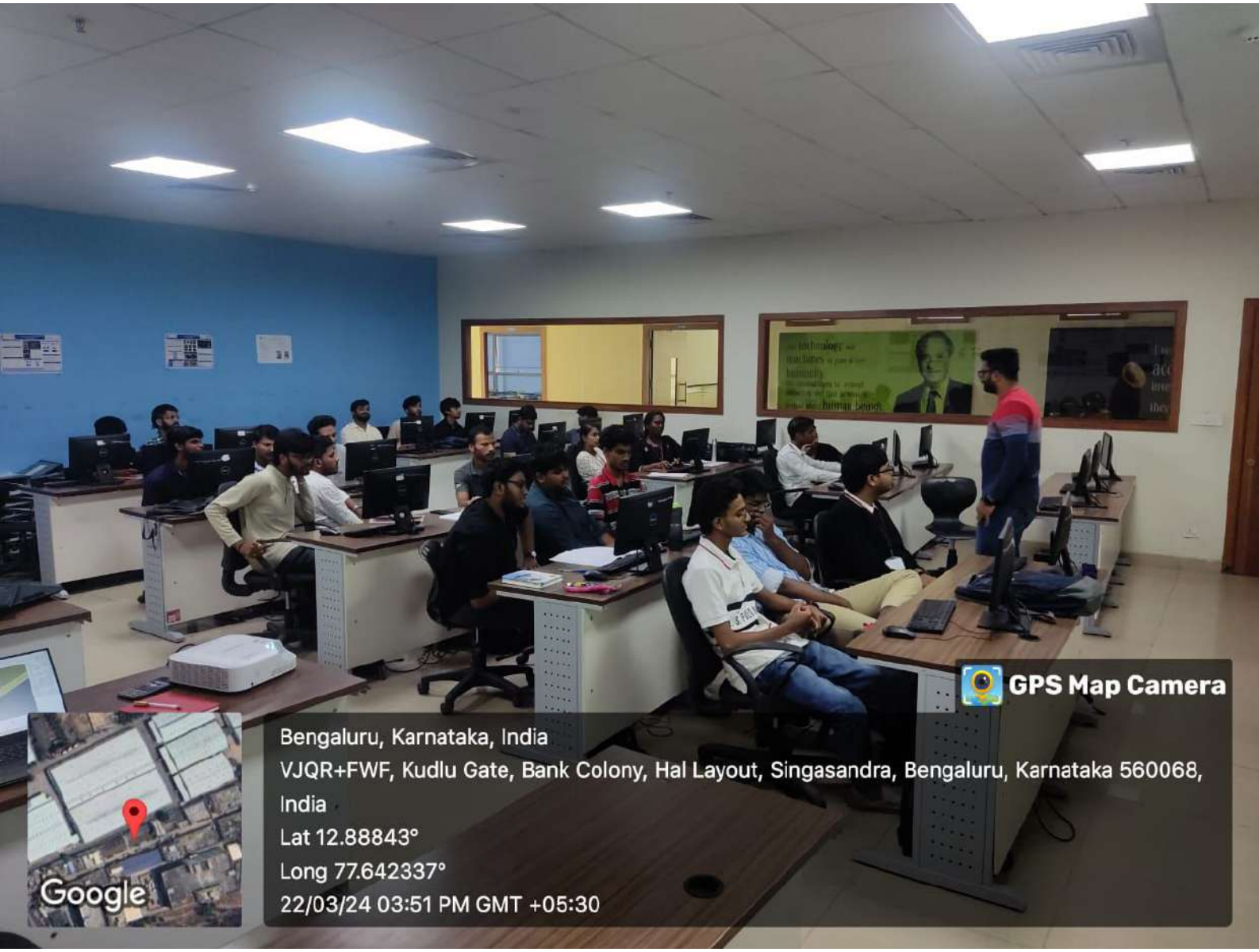
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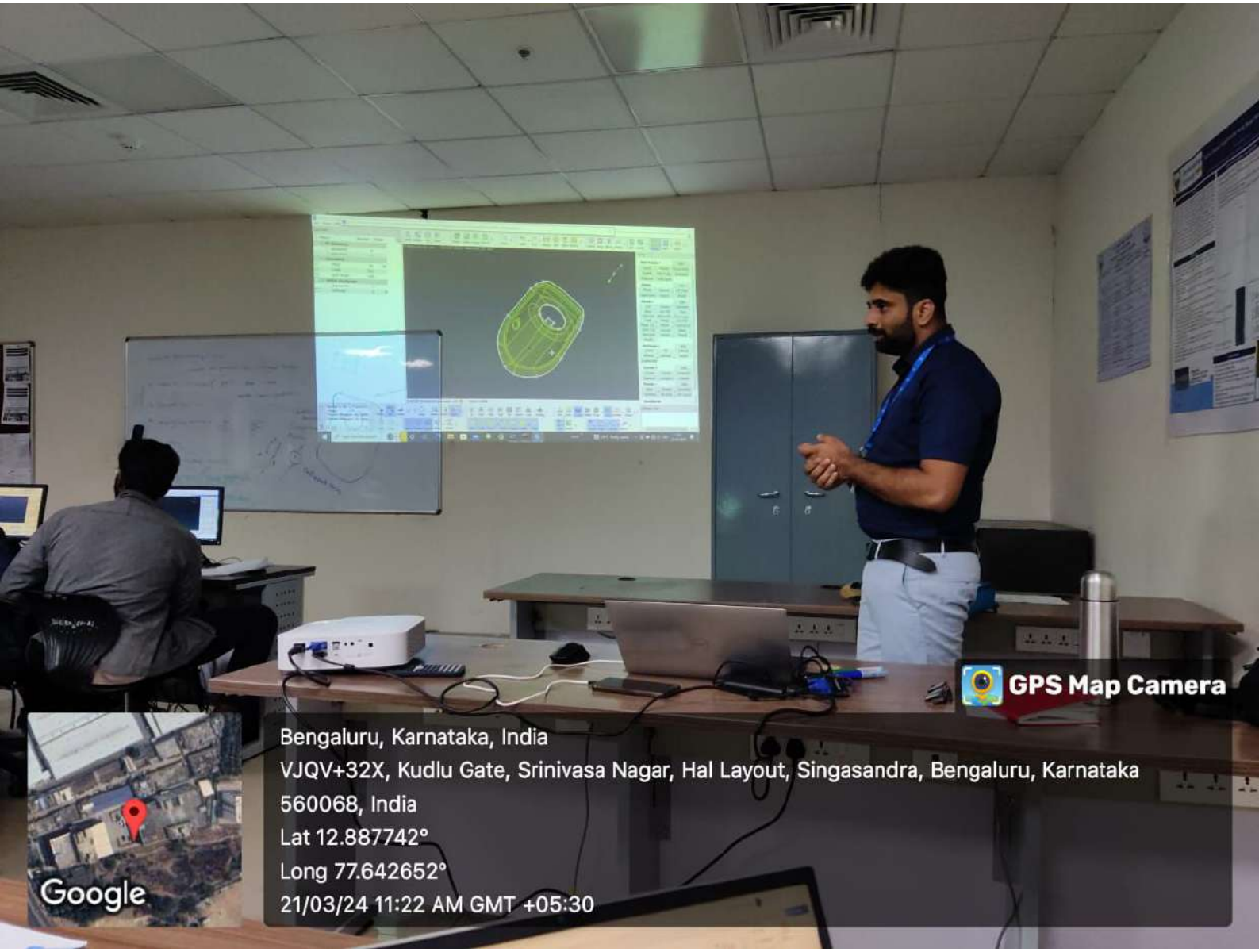
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DAYANANDA SAGAR UNIVERSITY

SCHOOL OF BASIC AND APPLIED SCIENCE BANGALORE

Schedule hours and days

- Duration: 30 HOURS
- Date of Commencement

4/9/2023 (B.Sc. III, and B.Sc. IV Semester)

4/9/2023 (M.Sc. III Semester)

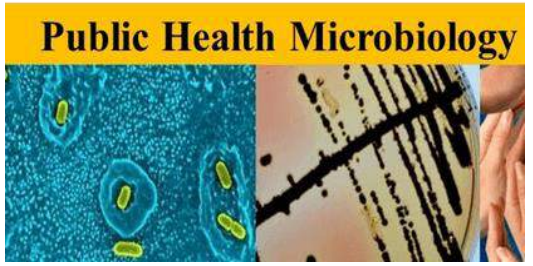
9/10/23 (B.Sc. and MSc. I Semester)

Certificates will be issued after successful completion

Course Title for B. Sc.

- ❖ Vermicomposting
- ❖ Preclinical Toxicology
- ❖ Public Health Microbiology







Course Title for M. Sc.

- ❖ Clinical Biochemistry
- ❖ Models for studying Human diseases





DAYANANDA SAGAR UNIVERSITY
SCHOOL OF BASIC AND APPLIED SCIENCES
KUDLU GATE
BENGALURU – 560 068, KARNATAKA.

Date: 01:08:2023

CIRCULAR

The School of Basic and Applied Sciences of DSU is planned to conduct a certification course on Vermicomposting and Preclinical Toxicology for the benefit of III and V semester B. Sc students. Models for studying human disease for M. Sc III semester students. This course is scheduled from **04.09.2023** for 30 hours durations and timings are 1.30Pm-3.30pm on every Saturday.

All the registered students must attend the classes without fail.

Dean
School of Basic & Applied Sciences
Dayananda Sagar University
Innovation Campus, Kudlu Gate, Hosur Main Road,
Bengaluru-560068

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF BASIC AND APPLIED SCIENCES
KUDLU GATE
BENGALURU – 560 068, KARNATAKA.

Date: 4:09:2023

CIRCULAR

The School of Basic and Applied Sciences of DSU is planned to conduct a certification course on Public health Microbiology for the benefit of I semester B. Sc students. Clinical Biochemistry for M. Sc I semester students. This course is scheduled from **9:10:2023** for 30 hours durations and timings are 1.30pm-3.30pm on every Saturday.

All the registered students must attend the classes without fail.

Dean
School of Basic & Applied Sciences
Dayananda Sagar University
Innovation Campus, Kudlu Gate, Hosur Main Road,
Bengaluru-560068



DAYANANDA SAGAR UNIVERSITY

School of Basic and Applied Sciences

Kudlu Gate Campus

Bangalore-560068

Karnataka

SYLLABUS

FOR

CERTIFICATE COURSES

2023-2024

(With effect from 2023-2024)

Dean
School of Basic & Applied Sciences
Dayananda Sagar University
Innovation Campus, Kudlu Gate, Hosur Main Road,
Bengaluru 560068

TITLE OF THE COURSE : PUBLIC HEALTH MICROBIOLOGY
COURSE CODE : 23CC1101
L: T: P: C : 1: 0: 0:1

TOTAL HOURS: 30

1 Study emphazies the relationship between the defences of the human body and the virulence factors of pathogenic microorganisms.

2. It describes the infection, diseases, pathogenesis and the body's defence against pathogenic microorganisms.

COURSE OUTCOMES:

1. It describes how diseases are spread and how the transmission of pathogens can be controlled.

MODULE 1 **10Hrs**

Public Health Microbiology and Disease Outbreaks: Introduction to public health-definition, significance and importance of public health. Descriptive and Analytical Epidemiological studies. Experimental studies – human volunteers. Sources of disease outbreaks, reservoir of pathogens, common source of epidemic. Public health organizations.

MODULE 2 **10Hrs**

Host microbe relationship: Normal microflora of human body and its significance. Pathogen, pathogenicity and virulence. Portal of entry. Mechanism of microbial adhesion, colonization and invasion of mucous membranes of respiratory, enteric and urogenital tracts. Emerging and re-emerging diseases, reservoir of infection. Disease transmission through air, water and food.

MODULE 3 **10 Hrs**

Disease prevention and vaccination: Preventing exposure to pathogenic microorganisms. Removal of pathogen from food and water. Vector control. Quarantine and isolation of individual with diseases. Herd immunity, vaccines for disease prevention, toxoids, other approaches to vaccine development.

Biomedical waste management: Isolation and culture procedures. Respiratory tract cultures, CSF cultures, blood cultures, urine cultures, faecal culture, eye and ear culture. Collection, transport, processing and storage of biological specimens.

REFERENCES:

1. Brock T.D and Madigan M.T. (1992) Biology of Microorgansims 6th edition. Prentice Hall, Eagle wood cliffs N.J.
2. Connie R Mahon (2010). Textbook of Diagnostic Microbiology. 3rd edition. Pearson.
3. Fritz H. Kayser (2005), Medical Microbiology. ThiemeVerlag.
4. Jacquelyn G. Black, Larry M.L Lewis (2009). Microbiology, Principles and Exploration6th Edition Wiley, John and Sons.
5. Jenson, Wright, Robinson (1997), Microbiology for the Health Sciences 4th edition, Prentice hall.
6. Kufe, etal., (2003), Cancer Medicine, BC Decker Inc.
7. Leslic Collier, John Oxford (2000). Human virologya text book for students of medicine, dentistry and microbiology (2nd edition). Oxford University Press.
8. Mackie amdMcCarthey (1996) Medical micrbiology. Vol2, practical medical microbiology, Churchill Livingstone.

TITLE OF THE COURSE : VERMICOMPOSTING
COURSE CODE : 23CC1102
L: T: P: C : 1: 0: 0:1

Total hours: 30h

COURSE OBJECTIVE:

To iunderstand concepts of biofertilizers like vermicomposting.

- To understand techniques in Vermicomposting.
- To increase employability of the students.
- To improve the soil quality by promoting the biofertilizers.

COURSE OUTCOME

1) Produce good quality of Vermicompost and Vermiculture.
2) Acquire skills for entrepreneurship .

MODULE-1 10H

Vermicomposting : Introduction and scope, types of earthworm and classification epigeic, endogeic, diageic. Life history of Earthworms (Earthworm Species Eisenia foetida)

MODULE-2 10h

Vermicompost Production : Establishment of Vermicomposting and vermiwash unit, different methods of vermicomposting: small and large scale bed method, pit method, harvesting the compost, storing and packing of vermicompost

MODULE-3 10h

Precautions while Vermicomposting, physico- chemical analysis of vermicompost, physical parameters of vermicompost, nutrient content of vermicompost and their role in agriculture, benefits of vermicompost, pests and diseases of Earthworms.

REFERENCES:

1. The Textbook of Vermicompost, Vermiwash and Biopesticides : Keshav singh and et al Publisher: Biotech Books.
2. The Book Hand Book Of Biofertilizers & Vermiculture Publisher: Engineers India Research Institute Handbook of Organic Farming and Organic Foods With Vermicomposting Neem Publisher: Engineers India Research Institute
3. Text Book of Applied Zoology: Vermiculture, Apiculture, Sericulture, Lac Culture, Agricultural Pests and their Controls: Pradip Jabde Publisher: Discovery Publishing House
4. The Worm Farmer's Handbook Mid- to Large-Scale Vermicomposting for Farms, Businesses, Municipalities, Schools, and Institutions :Rhonda Sherman Publisher: Chelsea Green Publishing.

TITLE OF THE COURSE : PRECLINICAL TOXICOLOGY
COURSE CODE : 23CC1103
L: T: P: C : 1: 0: 0:1

TOTAL HOURS: 30

COURSE OBJECTIVE:

1. Is aimed at fresher who needs to get initiated into Clinical research studies that require basic knowledge of principles of pharmacokinetics, drug metabolism, organ toxicity and toxicity evaluation concepts
2. To give essentials of toxicology required by professionals aiming to work involving preclinical toxicity evaluation studies.

COURSE OUTCOME:

1. Student should get adequate understanding of principles of preclinical toxicology
2. Student should get foundation knowledge to enable them to take up studies in clinical research.

MODULE 1 **15Hrs**

Introduction to toxicology: definition, sources of drugs & routes of drugs administration..
Pharmacokinetics: Dose-response relationships**:** threshold dose, no observed effect level (NOEL), measurement of cumulative effects- time relationship. The *area under the curve (AUC)* of the concentration-time profiles, absolute bioavailability, Volume of Distribution *(Vd).* maximum tolerated dose (MTD). Basics of pharmacokinetics, calculation of pharmacokinetic estimates.

MODULE 2 **15Hrs**

Overview of metabolism of toxicants: Phase I(C P450 system) and PhaseII (conjugation)
Organ toxicity : Hepatotoxicity: mechanism of hepatoxicity caused by carbon tetrachloride. Nephrotoxocity, Neurotoxicity,Endocrine toxicants, Respiratory toxicity.
Evaluation of toxicity- Selection of organisms, Preclinical toxicological studies. Calculation of LD_{50} & ED_{50}. Acute, subacute and chronic toxicity studies. Irwin profile test. .Lipinski's rule for drug like molecule.

REFERENCES:

Text books:

1. Essentials of medical pharmacology. TRIPATHI (K D). 6th edition, 2009, Jaypee Brothers Publihsers.
2. Concepts of toxicology , OMKAR, 2014, Vishal Publishers.
3. Textbook of modern toxicology. HODGSON (Ernest), 4th Ed. 2010, John Wiley.

Reference Books

4. Foyes principles of medicinal chemistry, LEMKE (Thomas L);6th edition, 2008, Wolter Klu Publishers.
5. Introduction to biochemical toxicology, HODGSON (Ernest); 3rd edition, 2001, Wiley Publishers.

TITLE OF THE COURSE : CLINICAL BIOCHEMISTRY
COURSE CODE : 23CC1104
L: T: P: C : 1: 0: 0: 1

COURSE OBJECTIVE:
Student will have a basic understanding of metabolic reactions, their regulation and how breakdown of this circuit will lead to diseased state. Students will also be made aware as to how these diseases affect the body, how are they detected and how to handle them.

COURSE OUTCOME:
Students will be able to comprehend the logic behind metabolic reactions and how they lead to production of energy by the body. They will have an overall view of several diseases including their biochemical implications and tests performed for detection.

MODULE 1 **15 h**
Chemical reactions, Thermodynamics of reactions, introduction to cell, Anabolism and catabolism, Brief introduction to carbohydrate, fat and protein metabolism. Electron transport chain, The role of enzymes and hormones in regulation of metabolism

MODULE 2 **15 h**
Metabolic disorders: Diabetes Mellitus, Atherosclerosis, Renal failure and muscular dystrophies. Etiology and Detection. Role of isozymes. Detection of sugar, creatinine, urea and proteins in biological fluids in laboratory

BOOKS:

1. Lehninger- Principles of Biochemistry; DL Nelson and MM Cox [Eds), 6th Edn. Macmillan Publications (2012).

REFERENCE:

1. Donald Voet, Judith G Voet, Biochemistry, 4th Edition, John Wiley and Sons
2.Textbook of Biochemistry with Clinical Correations – Thomas M. Devlin, John Wiley & Sons; 7th edition (22 January 2010)

TITLE OF THE COURSE : MODELS FOR STUDYING HUMAN DISEASES
COURSE CODE : 23CC1105
L: T: P: C : 1: 0: 0:1

TOTAL HOURS: 30

COURSE OBJECTIVE:
To understand the models to study human lifestyle disorders which are relevant to solve medical and non-medical health issues.

COURSE OUTCOME:
The student will be able to optimize and validate the models (vertebrate and non-vertebrate) for better understanding of lifestyle disorders.

MODULE 1 **15 hrs**
Features for considering organisms as an experimental model. Understanding the central dogma of molecular biology, Concepts of Bacteria, Fungi, Viruses and their related virulence. Comparison of bacterial genome and proteome to fly, mealy bug, C. elegans, earthworm and other invertebrates. Use of bacteria and fly as model organisms for studying various human related diseases. Concepts of Gnotobiotics and its research implications.

MODULE 2 **15 hrs**
Drosophila - Life cycle, Genetic control and embryonic development: maternal effect genes, Segmentation genes, Homeotic selector genes, Biochemical assays, fly as a model for Diabetes, Neurodegeneration and Microbiome (bacterial, fungal and viral associations). Mitochondrial dysfunctions, oxidative stress and concepts & theory on free radicals. Nano-phytobioactives and their applications in human health with special reference to neurobiology.

BOOKS:

- Principles of Lehninger Biochemistry, by Nelson and Cox (2008). McGraw-Hill Higher Education.
- Dennis, D.T and Turpin D.H. (ed). 1990. *Plant physiology, Biochemistry and Molecular biology*, Longman Scientific and Technical Esses.
- Lea, P.J. and Leegood, R.C. 1993. *Plant Biochemistry and Molecular Biology*. John Wiley & Sons, West Susses.

REFERENCES:

- Taiz, I. and Zeiger, E. 1999. *Plant Physiology*. The Benjamin/comings publishing Co., Redwood City, USA.
- Willey, J. M., Sherwood, L., Woolverton, C. J., & Prescott, L. M. (2008). *Prescott, Harley, and Klein's microbiology (8th edn)*. New York: McGraw-Hill Higher Education.

DAYANANDA SAGAR UNIVERSITY

SCHOOL OF BASIC AND APPLIED SCIENCES

B.Sc. III Semester Students List

Public Health Microbiology

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2	BAS23BS0002	AISHWARYA
3	BAS23BS0003	APARNA DUTTA
4	BAS23BS0004	ARSHIA SHARMA
5	BAS23BS0005	BANDARI ACHSAH
6	BAS23BS0006	BHANU SHREE M
7	BAS23BS0007	BHAVANI G REDDY
8	BAS23BS0008	C K CHIMAN
9	BAS23BS0009	CHITRA. G
10	BAS23BS0010	DEEPA. K
11	BAS23BS0011	GUNI GANTI VYSHNAVI
12	BAS23BS0012	H. D. APALIKE
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14	BAS23BS0014	HARRY CHRIS C
15	BAS23BS0015	HARSHITHA SINGH
	BAS23BS0016	
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18	BAS23BS0019	JEEVAN KUMAR
19	BAS23BS0020	YOGESH K
20	BAS23BS0021	KETHINENI LAHARI
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31	BAS23BS0032	NAYANA.C.L
32	BAS23BS0033	PRABHAV PAGADALA HARIRAM
33	BAS23BS0034	PRACHI SINGH CHOWDHARY
34	BAS23BS0035	PRANIT SINGH
35	BAS23BS0036	PRANITA RAVI
36	BAS23BS0037	RACHNA SARASWATHY
37	BAS23BS0038	SAMYUKTHA.S
38	BAS23BS0039	SMRITA DAS
39	BAS23BS0040	SNEHA GHOSH
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41	BAS23BS0042	SRUJANANANDA S BHAT
42	BAS23BS0043	U.MEGHANA
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44	BAS23BS0045	VELIGARAM ROHITH

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46	BAS23BS0047	KAVERY S
47	BAS23BS0048	YUKTHA N K

DAYANANDA SAGAR UNIVERSITY
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3	BAS22BS0006	Ansh chaturvedi
4	BAS22BS0010	Bharat Morpana
5	BAS22BS0012	BHUMIKA S K
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8	BAS22BS0023	Deep r dave
9	BAS22BS0025	Dharshan M
10	BAS22BS0026	Dileepkumar.G
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13	BAS22BS0038	Hitesh kumar D
14	BAS22BS0039	Hithaishree S
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16	BAS22BS0042	JINAL D
17	BAS22BS0047	Kushi Agarwal
18	BAS22BS0049	KORUVAILI WISHMINA MAXI
19	BAS22BS0050	Henil Kotadiya
20	BAS22BS0058	Merla Sudha
21	BAS22BS0065	Nithya.M.Swamy
22	BAS22BS0066	Nithya R
23	BAS22BS0068	Patil Saniya
24	BAS22BS0090	Shreedhanya
25	BAS22BS0091	SHREEPARNA BANERJEE
26	BAS22BS0093	Shreya.r.s
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29	BAS22BS0107	Varsha SS
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	BAS22BS0005	Annesha Biswas
	BAS22BS0011	BHOOMIKA. C
	BAS22BS0013	BHUPANI SURESH BABU
	BAS22BS0016	Brinda Jayasimha Kashyap
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	BAS22BS0022	Davasam Sanjana
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	BAS22BS0030	Ganashree V
	BAS22BS0031	GOWTHAMI B
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	BAS22BS0073	Raashi S
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	BAS22BS0086	**Shashank J**
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DAYANANDA SAGAR UNIVERSITY,

School of Basic & Applied Sciences

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33	Ramya	BAS21BG0034
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36	Sasikanth.M	BAS21BG0038
37	Shashank Ashok Gowda	BAS21BG0040
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39	Shivangi Kumari	BAS21BG0042
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44	Sneha Kumari	BAS21BG0047
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58	Ashutosh	BAS21GB0005
59	Asmita Saha	BAS21GB0006
60	Aswathi - K	BAS21GB0007
61	Bhavika K J	BAS21GB0008
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63	BHUVANESH B	BAS21GB0010
64	D.Sai Viswas	BAS21GB0011
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67	Deekshitha.c..r	BAS21GB0014
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74	Kaushik H	BAS21GB0021
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82	MUBARAK SHAIK BASHA	BAS21GB0029

83	Shreya Mohan	BAS21GB0030
84	Shreya satyappa dudyal	BAS21GB0031
85	Simran katyal	BAS21GB0032
86	SRUSHTI S YARAGATTI	BAS21GB0033
87	SUPREET P SANKADAL	BAS21GB0034
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89	Yaamini R	BAS21GB0038
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91	Bollavaram Adikeshava Reddy	BAS21CM0002
92	G.Mohith Reddy	BAS21CM0003
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96	Kunguma Janani S	BAS21CM0007
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DAYANANADA SAGAR UNIVERSITY

SCHOOL OF BASIC AND APPLIED SCIENCES

M.Sc. II Sem students list (2023 Batch)

Clinical Biochemistry

Sl.No	NAME	USN
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2	AISHWARYA VEERAYYA MATHAPATI	BAS23MBT002
3	AISHWARYA VINU	BAS23MBT003
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5	AKSHAY KUMAR U	BAS23MBT005
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7	ANANYA B S	BAS23MBT007
8	ANANYA S	BAS23MBT008
9	ANISHA SHARMA	BAS23MBT009
10	ANUSHA K S	BAS23MBT010
11	ANUSHA S D	BAS23MBT011
12	ARPITHA K	BAS23MBT012
13	ASHESH DEEP RAI	BAS23MBT013
14	ASHRITA M	BAS23MBT014
15	ASHUTOSH R A	BAS23MBT015
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17	AYYAGAREE PRERANA	BAS23MBT017
18	BHAJANA S K	BAS23MBT018
19	BHARATH M B	BAS23MBT019
20	BHAVANA G S	BAS23MBT020
21	BHOOMIKA K N	BAS23MBT021
22	CHAYA K	BAS23MBT022
23	CHETAN G V	BAS23MBT023
24	CHETHAN KUMAR D J	BAS23MBT024
25	DEBASHMA ROY	BAS23MBT025
26	DEEPIKA M	BAS23MBT026
27	DEEPTHI K	BAS23MBT027
28	DISHA K M	BAS23MBT028
29	DURGAM PRAJWAL	BAS23MBT029
30	EZHILARASI. R	BAS23MBT030
31	GAGANA DEEPA C S	BAS23MBT031
32	GANASHREE H U	BAS23MBT032

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35	GEETHIKA DILJITH	BAS23MBT035
36	GIRIJA H M	BAS23MBT036
37	GOWTHAM T	BAS23MBT037
38	HARSHITHA B	BAS23MBT038
39	HUZEFUNNISA.S	BAS23MBT039
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41	K.ANUSHA	BAS23MBT041
42	KADAPA BHAVANA SREE	BAS23MBT042
43	KEERTHANA M	BAS23MBT043
44	KEERTHANA.G	BAS23MBT044
45	KISHORE S K	BAS23MBT045
46	KOLLAVARAM LALITHA	BAS23MBT046
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48	MEENAKSHI B	BAS23MBT048
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50	MONIKA M V	BAS23MBT050
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55	NISARGA K H	BAS23MBT055
56	NISHA G	BAS23MBT056
57	NISHANTH S	BAS23MBT057
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63	PRIYA.S	BAS23MBT063
64	PRIYANKA S	BAS23MBT064
65	PRUTHVI RAJ B N	BAS23MBT065
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75	SHREYA G	BAS23MBT075
76	SHREYA M	BAS23MBT076
77	SINDHU BASANAGOUDA GOUDAR	BAS23MBT077
78	SNEHA S RAO	BAS23MBT078
79	SUCHETA BHARTI	BAS23MBT079
80	SURAKSHA H.S	BAS23MBT080
81	SWATI SWAGATIKA ROUT	BAS23MBT081
82	T PRASHANTH	BAS23MBT082
83	TANMAY RANE	BAS23MBT083
84	TASHI ZANGMU BHUTIA	BAS23MBT084
85	THANUJA S	BAS23MBT085
86	THARUN RAJ N	BAS23MBT086
87	THASHWINI P M	BAS23MBT087
88	THUSHAR H C	BAS23MBT088
89	VAISHNAVI A S	BAS23MBT089
90	VAISHNAVI KOTHIWALE	BAS23MBT090
91	VANSHEE P S	BAS23MBT091
92	VARSHINI K R	BAS23MBT092
93	VASUDEV KRISHNA	BAS23MBT093
94	VOOTUKURI SHRAVANI	BAS23MBT094
95	YASHASWINI R	BAS23MBT095
96	AKRITI KUMARI PUSHP	BAS23MBT096
97	ANKITA NAIK	BAS23MBT097
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108	SHREYAS. S	BAS23MBT108
109	SANJU S	BAS23MBT109
110	SHOBHA SRINIVAS KULKARNI	BAS23MBT110
111	SHIVARAJAKUMAR BASAVARAJ SULIKALLA	BAS23MBT111
112	SUSHMA KUMARI	BAS23MBT112
113	ADITI G	BAS23MMB001
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116	ANUSHA SHRIDHAR ANGADI	BAS23MMB004
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118	CHATHALA YASWANTH KUMAR YADAV	BAS23MMB006
119	DARSHAN S	BAS23MMB007
120	DEEPASHREE H S	BAS23MMB008
121	DEEPTI G	BAS23MMB009
122	DHOLAKIYA NAMRATTA	BAS23MMB010
123	FARASHA MAINUDDIN SHAIKH	BAS23MMB011
124	FATIMA NABI	BAS23MMB012
125	H A RAKSHITHA GOWDA	BAS23MMB013
126	HARISH G DESHPANDE	BAS23MMB014
127	HARSHITH MS	BAS23MMB015
128	HARSHITHA L K	BAS23MMB016
129	HARSHITHA.KG	BAS23MMB017
130	KAVYA MARUTI KABBER	BAS23MMB018
131	KRUTIKA PRABHAKAR SHETTY	BAS23MMB019
132	LAHARISH V	BAS23MMB020
133	MADHUSUDAN P HADIMANI	BAS23MMB021
134	MANDIRA BISWAS	BAS23MMB022
135	MEGHANA M BHAT	BAS23MMB023
136	NEHA VADIRAJ	BAS23MMB024
137	NIRMITHA KRISHNA	BAS23MMB025
138	POONAM MEWARA	BAS23MMB026
139	PRATIKCHA RAI	BAS23MMB027
140	PUTTABANTI SONIYA	BAS23MMB028

Sl.No	NAME	USN
141	RAHUL BABURAJ	BAS23MMB029
142	S.G.SUPRIYA	BAS23MMB030
143	SAYANA M	BAS23MMB031
144	SHAMA NADIG	BAS23MMB033
145	SHERIN RODRIGUES	BAS23MMB034
146	SHREYASHRI KUNDU	BAS23MMB035
147	SINCHANA S	BAS23MMB036
148	SOWMYASHREE DS	BAS23MMB037
149	SRISHTI SINGH	BAS23MMB038
150	TEJESHWARI. A	BAS23MMB039
151	UTKARSH CHANDRA	BAS23MMB040
152	VARSHA S A	BAS23MMB041
153	VIDHYASHREE S D	BAS23MMB042
154	WENDY ERYSHEBA RYNTATHIANG	BAS23MMB043
155	ANJAN GOWDA.A	BAS23MMB044
156	YASHASWINI.S	BAS23MMB045
157	ANJALI .S	BAS23MBC001
158	ANUSHA A C	BAS23MBC002
159	ANUSKA BANERJEE	BAS23MBC003
160	ARCHANA N V	BAS23MBC004
161	BHOOMIKA VISHNU KHARVI	BAS23MBC005
162	DHANYA BHASKAR PATGAR	BAS23MBC006
163	GEETHANJALI R B	BAS23MBC007
164	GOUTAMI	BAS23MBC008
165	JENIFER L	BAS23MBC009
166	KEERTHAN M S	BAS23MBC010
167	LAVANYA.R	BAS23MBC011
168	MEGHANA M REDDY	BAS23MBC012
169	NAYANA MANJU GOUDA	BAS23MBC013
170	NISARGA TS	BAS23MBC014
171	NISHA GANGADHAR	BAS23MBC015
172	POORVIKA J N	BAS23MBC016
173	PREKSHITHA A L	BAS23MBC017
174	PRIYANKA P GAONKAR	BAS23MBC018
175	PURNACHANDRA M KULKARNI	BAS23MBC019
176	RASHMI MANJUNATH BHAT	BAS23MBC020

Sl.No	NAME	USN
177	RAYALI SUMASRI	BAS23MBC021
178	RISHA BOPANNA C	BAS23MBC022
179	SUSHMAYI A S	BAS23MBC024
180	VEDULLAPALLI ANURADHA	BAS23MBC025

DAYANANDA SAGAR UNIVERSITY,
School of Basic & Applied Sciences
Program: M.Sc
Models For Studying Human Diseases

SL.NO	Name	USN
1	Abhijit Mandal	BAS22MBT001
2	Akitha V	BAS22MBT002
3	Anushree T S	BAS22MBT003
4	Apoorva C R	BAS22MBT004
5	Ashwini Mahantesh Kalkutigar	BAS22MBT005
6	Bhanushree p	BAS22MBT006
7	Bharath K S	BAS22MBT007
8	Bharath R	BAS22MBT008
9	Deepak A	BAS22MBT009
10	Deepsikha Seth	BAS22MBT010
11	Eureka H K	BAS22MBT011
12	Ghania Naurahan Zaie	BAS22MBT012
13	Harshitha M	BAS22MBT013
14	Hemanth L Kumar	BAS22MBT014
15	Hongirana H S	BAS22MBT015
16	Husna Firdouse Sanaulla	BAS22MBT016
17	Janani Gmr	BAS22MBT017
18	K.M Varsha Kumari	BAS22MBT018
19	Kavya A	BAS22MBT019
20	Lahari S	BAS22MBT020
21	Lokeshwaran V R	BAS22MBT021
22	Mahimashree B.A.	BAS22MBT022
23	Manasa M	BAS22MBT023
24	Megha V Naragund	BAS22MBT024
25	MEGHANA N	BAS22MBT025
26	Meghana. L U	BAS22MBT026
27	MUSKAN JHA	BAS22MBT027
28	Nagadarshini S	BAS22MBT028
29	Namagundla Vyshnavi	BAS22MBT029
30	Nikhitha R	BAS22MBT030
31	Nineetha Y S	BAS22MBT031
32	Pit Pit Zaheer	BAS22MBT032
33	Poornima J	BAS22MBT033
34	Prema I	BAS22MBT034
35	Priya Raichur	BAS22MBT035

36	Proshila Rai	BAS22MBT036
37	Rajashree Sarma	BAS22MBT037
38	Rakshitha Ponnamma K.P	BAS22MBT038
39	Reshma R	BAS22MBT039
40	Rohan Reddy	BAS22MBT040
41	Safina Yesmine	BAS22MBT041
42	SAKSHI	BAS22MBT042
43	Savitha Gowda	BAS22MBT043
44	Sayoni Mitra	BAS22MBT044
45	Shaheen	BAS22MBT045
46	Shraddha Paschapur	BAS22MBT046
47	Shree Hari H N	BAS22MBT047
48	Shreya . S	BAS22MBT048
49	Sirisha M	BAS22MBT049
50	Sonali Srivastava	BAS22MBT050
51	Sukrutha Ramani	BAS22MBT051
52	T.lahari	BAS22MBT052
53	Thanusha Priya M	BAS22MBT053
54	Vanitha C S	BAS22MBT054
55	Varshith M B	BAS22MBT055
56	Veda S Goudanaikar	BAS22MBT056
57	Vinushree Gowda V	BAS22MBT057
58	Vinutha H Nayak	BAS22MBT058
59	Vismitha S	BAS22MBT059
60	Yathish Gowda G M	BAS22MBT060
	Anusree V A	BAS22MBC001
	Bhagyashree S U	BAS22MBC002
	CHANDANA N	BAS22MBC003
	Karthik V	BAS22MBC004
	MAHESHWARI R	BAS22MBC005
	Medha Mahindra	BAS22MBC006
	Nandhini K	BAS22MBC007
	Nikhil M Inamdar	BAS22MBC008
	Nithya Jyothi . A	BAS22MBC009
	Pooja N Raikar	BAS22MBC010
	R. Sreedev	BAS22MBC011
	Raymond Jerome R	BAS22MBC012
	Rehna Reji C	BAS22MBC013
	Sahana R	BAS22MBC014
	Sriprada G	BAS22MBC015
	Vindya Sanjeevi P	BAS22MBC016
	Bhavana S P	BAS22MHG001

Kalyani S Biju	BAS22MHG002
Katta Anusha	BAS22MHG003
Mohamed Aslam	BAS22MHG004
Patel Esha Vihangbhai	BAS22MHG005
Varshitha.k	BAS22MHG006
Vondhana R	BAS22MHG007
A Sai Swetha	BAS22MMB001
Aisiri S Hebbar	BAS22MMB002
Alekhya G R	BAS22MMB003
Ananya N	BAS22MMB004
ANUSHA S	BAS22MMB005
B A Suhas	BAS22MMB006
CHANDANA B R	BAS22MMB007
D Janvitha S Reddy	BAS22MMB008
Deepa Y C	BAS22MMB009
Deepika M	BAS22MMB010
Gagana C Shekar	BAS22MMB011
Harshitha M	BAS22MMB012
Hemashree N	BAS22MMB013
Ishika Garai	BAS22MMB014
Kavya Hegde	BAS22MMB015
Kavyashree K G	BAS22MMB016
Keerthana S	BAS22MMB017
Lalitha A	BAS22MMB018
Lekhana. V	BAS22MMB019
LIKITH M	BAS22MMB020
Manoj B	BAS22MMB021
Monisha S	BAS22MMB022
Munish.j	BAS22MMB023
Naina Sharma	BAS22MMB024
Nanditha S	BAS22MMB025
Narmada A N	BAS22MMB026
Navya P K	BAS22MMB027
Niharika	BAS22MMB028
Pallavi B.A	BAS22MMB029
Paras Khadyal	BAS22MMB030
Rajnee Joel	BAS22MMB031
Richa Lekharu	BAS22MMB032
Sahana N R	BAS22MMB033
SAHANA.S	BAS22MMB034
Sandeepreddy P.c	BAS22MMB035
Sanjana C	BAS22MMB036
Saroj Lakshmy U	BAS22MMB037
Shefali Santosh Kamble	BAS22MMB038
Shital Mazumder	BAS22MMB039

Shreya Vinod	BAS22MMB040
Shreyas K Achar	BAS22MMB041
Sindhu R	BAS22MMB042
Skantap Priya.K.K	BAS22MMB043
Sowjanya S.R	BAS22MMB044
Sree Raksha G	BAS22MMB045
Srujana.R	BAS22MMB046
Subhangi Pal	BAS22MMB047
Subiksha S	BAS22MMB048
Suraj Prasad	BAS22MMB049
Syeda Sufiya	BAS22MMB050
V.R SHRAVANI	BAS22MMB051
Vaishnavi Joshi	BAS22MMB052
Vasupradha. S H	BAS22MMB054
Waseem Ahmed	BAS22MMB055
Yeddula Vybhav Kumar Reddy	BAS22MMB056
Yuktha K	BAS22MMB057
S INDUSHREE	BAS21MMB035

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member..... Dr. Archana S. Rao ..... Semester..... Subject .....

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
01	BAS23BS0001	ADITya RUPALI DASSHAN GANGODKAR	P	P	P	P	A	P	P	P	P	P	P	P	A	A	P	P	P	P												
02	BAS23BS0002	Aishwarya	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P												
03	BAS23BS0003	APARNA DUTTA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A												
04	BAS23BS0004	ARShia SharMA	A	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P	P	P												
05	BAS23BS0005	BANDARI ACHAH	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P												
06	BAS23BS0006	BHANU Shree M	P	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	A												
07	BAS23BS0007	Bhani Co Reddy	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	A												
08	BAS23BS0008	CH CHiman	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P												
09	BAS23BS0009	CHitRa. Co	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P												
10	BAS23BS0010	DeeRa. H	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P												
11	BAS23BS0011	Guni SANTI vyshavi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P												
12	BAS23BS0012	H.D. APalike	P	P	A	P	P	P		A	P	P	P	P	P	P	P	P	P	P												
13	BAS23BS0013	Hari PRasad.N	P	P	P	P	P	P		P	P	P	P	P	P	P	P	P	A	P												
14	BAS23BS0014	HARRY CHRIS C	P	P	P	A	P	A		P	P	P	P	P	P	P	P	P	P	P												
15	BAS23BS0015	HARShitha Singh	P	P	P	A	P	P		P	P	P	P	P	P	P	P	P	P	P												
Initials of Staff																																
Initials of HOD																																

Attendance to be marked in Cumulatively only

No. of Working Days | Average Attendance during the Month | No. of Working Days

Dean
School of Basic & Applied Sciences
Dayananda Sagar University
Innovation Campus, Kudlu Gate, Hosur Main Road,
Bengaluru-560068

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member: Archana S Rao ..... Semester ..... Subject .....

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
17	BAS23BS0017	HEMSAI SWAROOP REDDY	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P												
18	BAS23BS0018	JANICE GABRIELLA RODRIGUES																														
19	BAS23BS0019	JEEVAN KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P											
20	BAS23BS0020	YOGESH K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P												
21	BAS23BS0021	KETHINENI LAHARI	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A												
22	BAS23BS0022	LEKHANA KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P												
23	BAS23BS0023	LICHANA N	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P												
24	BAS23BS0024	LILITH .B.S	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P												
25	BAS23BS0025	M PACETHI SHAKUNAVALLI	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P												
26	BAS23BS0026	MAANYA C	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P												
27	BAS23BS0027	MAITHILI SARKAR	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P												
28	BAS23BS0028	MAYANK KASHYAP	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P												
29	BAS23BS0029	MOHAN BABU	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P												
30	BAS23BS0030	MOHAN PAIYA	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P												
31	BAS23BS0031	MONISHA. A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P												
		Initials of Staff	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A												
		Initials of HOD																														

*Attendance to be marked in Cumulatively only

No. of Working Days | Average Attendance during the Month | No. on Roll during Month

Dean
School of Basic & Applied Sciences
Dayananda Sagar University
Innovation Campus, Kudlu Gate, Hosur Main Road,
Bengaluru-560068

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member..... Archana S Rao ..... Semester..... Subject .....

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
32	BAS23BS0032	Nalyana.C.L	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P												
33	BAS23BS0033	PRABHAV PRASADALA HARIRAM	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P												
34	BAS23BS0034	PRACHI SINGH CHOWDHARY	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P												
35	BAS23BS0035	PRANIT SINGH	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A												
36	BAS23BS0036	PRAVITA RAVI	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P												
37	BAS23BS0037	RACHNA SARASWATHY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P												
38	BAS23BS0038	SAMYUKTHA.S	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P												
39	BAS23BS0039	SMAITA DAS	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P												
40	BAS23BS0040	SNEHA GHOSH	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P												
41	BAS23BS0041	SOWMYA YADAV.G	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	A												
42	BAS23BS0042	SAVIANANDA S BHAT	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P												
43	BAS23BS0043	U. MEGHANA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P												
44	BAS23BS0044	VARSHASHREE N	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P												
45	BAS23BS0045	VELIGARAM ROHITH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	A												
46	BAS23BS0046	Bhavana S	P	P	A	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P												
Initials of Staff																																
Initials of HOD																																

Attendance to be marked in Cumulatively only

No. of Working Days | Average Attendance during the Month

Dean
School of Basic & Applied Sciences
Dayananda Sagar University

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member..... Archana S Rao ..... Semester..... Subject .....

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
47	BAS23BS0047	Haveay S	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P												
48	BAS23BS0048	Yuktha N.K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P												
49	BAS23BS0049	Yuktha N.K	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P												

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member..... Semester..... Subject .....

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
01	BAS22BS001	Abhishek. k	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P												
02	BAS22BS002	Aditya sharma	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P												
03	BAS22BS003	Ajay. G	P	A	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P												
04	BAS22BS004	Ananth shankar Tirtha	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P												
05	BAS22BS005	Annesha Biswas	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P												
06	BAS22BS006	Ansh chaturvedi	P	A	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P												
07	BAS22BS008	Anushka Priya Bage	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P												
08	BAS22BS009	Arya Abhipsa Satpathy	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P												
09	BAS22BS010	Bharat marpana	P	P	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P												
10	BAS22BS011	Bhoomika. C	P	P	A	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P												
11	BAS22BS012	Bhumika. sk	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P												
12	BAS22BS013	Bhupani Suresh Babu	A	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P												
13	BAS22BS014	Bhuvan. BN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P												
14	BAS22BS015	Binati	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P												
15	BAS22BS016	Brinda jayasimha kashyap	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P												
Initials of Staff																																
Initials of HOD																																

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DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member..... Semester..... Subject .....

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
16	BAS22BS0017	Chada Tao	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P											
17	BAS22BS0018	challa mokshith chowdary	A	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P												
18	BAS22BS0019	Chandan gowda. H	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P												
19	BAS22BS0020	Chandra lakshmi sahithi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P												
20	BAS22BS0021	Chirag. U	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P												
21	BAS22BS0022	Davasam Sanjana	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P												
22	BAS22BS0023	Deepar dave	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P												
23	BAS22BS0024	Deepika. M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A												
24	BAS22BS0025	Dharshan. M	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P												
25	BAS22BS0026	Dileepkumar. G	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P												
26	BAS22BS0027	Dinesh kumar. M	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P												
27	BAS22BS0028	Dishali madhur	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P												
28	BAS22BS0029	Gagana. S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P												
29	BAS22BS0030	Gana shree. V	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P												
30	BAS22BS0031	Gowthami. B	P	P	A	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P												
		Initials of Staff																														
		Initials of HOD																														

Attendance to be marked in Cumulatively only

No. of Working Days | Average Attendance during the Month | No. of Working Days

Dean
School of Basic & Applied Sciences
Dayananda Sagar University
Innovation Campus, Kudlu Gate, Hosur Main Road,
Bengaluru-560068

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member..... Semester..... Subject .....

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
31	BAS22BS0032	K. Harshitha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P												
32	BAS22BS0033	Harshitha.M	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P												
33	BAS22BS0034	Harshitha.M	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P												
34	BAS22BS0035	Hasan	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A												
35	BAS22BS0036	S. Hemalatha	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P												
36	BAS22BS0037	Hemanth Ashok Gonigeri	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P												
37	BAS22BS0038	Hidesh kumar.D	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P												
38	BAS22BS0040	Hithaishree.S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P												
40	BAS22BS0041	Indumathi.gr	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P												
41	BAS22BS0042	JINal.D	A	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P												
42	BAS22BS0043	Keerthana.J	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	A	P												
43	BAS22BS0045	Keerthi.R	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P												
44	BAS22BS0046	Kharwbai Debbarma	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	A	P	P												
45	BAS22BS0047	Kushi Agarwal	P	P	A	P	P	P	P	P	P	P	P	A	P	P	A	P	P	P												
46	BAS22BS0048	Koruvalli wishimina maxi	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P												
Initials of Staff																																
Initials of HOD																																

Attendance to be marked in Cumulatively only

No. of Working Days

Average Attendance during the Month

No. on Roll during Month:

Dean
School of Basic & Applied Sciences
Dayananda Sagar University
Innovation Campus, Kudlu Gate, Hosur Main Road,
Bengaluru - 560068

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member..... Semester..... Subject .....

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
47	BAS22BS0050	Henil kodadiya	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	A												
48	BAS22BS0051	kumudha.H	P	A	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P												
49	BAS22BS0052	Kusuma.P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P												
50	BAS22BS0053	T Lakshana	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P												
51	BAS22BS0054	Lavanya.H	A	P	P	P	P	P	P	P	P	A	P	P	A	P	P	P	P	P												
52	BAS22BS0055	M.R. vaishnavi	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P												
53	BAS22BS0056	madhan kumar.B	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	A	P													
54	BAS22BS0057	manasa S kumar	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P												
55	BAS22BS0058	merla sudha	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P												
56	BAS22BS0059	michi sophia	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P												
57	BAS22BS0060	mohammed Rizwan	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P												
58	BAS22BS0061	monisha.M	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P												
59	BAS22BS0062	monisha.N	P	A	P	P	P	A	P	A	P	P	A	P	P	P	P	P	P	P												
60	BAS22BS0063	mopuri Poojitha Reddy	P	P	P	A	P	P	A	P	P	A	P	P	P	B	P	P	P	P												
61	BAS22BS0064	mukundan	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P												
	Initials of Staff																															
	Initials of HOD																															

Attendance to be marked in Cumulatively only

No. of Working Days

Average Attendance during the Month

No. of Holidays during the Month

Dean
School of Basic & Applied Sciences
Dayanand Sagar University
Innovation Campus, Kudlu Gate, Hosur Main Road,

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member..... Semester..... Subject .....

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
61	BAS22BS0064	mokundan	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	A												
62	BAS22BS0065	nithya.M.Swamy	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P												
63	BAS22BS0066	Nithya.R	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	A	P												
64	BAS22BS0067	Aishwarya Pullapathy	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P												
65	BAS22BS0068	Patil Saniya	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P												
66	BAS22BS0069	Pragna Shree	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P												
67	BAS22BS0070	Prakruthi.G	P	P	P	P	P	P	A	P	P	P	P	A	P	P	A	P	P	P												
68	BAS22BS0071	Priya Bhowmick	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P												
69	BAS22BS0072	R Yashaswini	P	P	P	A	P	P	A	P	P	P	P	A	P	P	P	P	P	P												
70	BAS22BS0073	Raashi.S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P												
71	BAS22BS0074	Ram kumar Raghu	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P												
72	BAS22BS0075	Ramkumar.R(Ramakrishna)	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P												
73	BAS22BS0076	Ram kishore.S	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P												
74	BAS22BS0078	Rodikson Basumatary	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P												
75	BAS22BS0079	Rupasi Saha	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P												
		Initials of Staff																														
		Initials of HOD																														

Attendance to be marked in Cumulatively only

No. of Working Days | Average Attendance during the Month | No. of Working Month:

Dean
School of Basic & Applied Sciences
Dayananda Sagar University
Kudlu Gate, Hosur Main Road,

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member..... Semester..... Subject .....

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
76	BAS22BS0080	S. Harshavardini	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P												
77	BAS22BS0081	Saanvi. P.R	P	A	P	P	P	P	A	P	A	P	P	P	A	P	P	P	P	P												
78	BAS22BS0082	Sanjana Reddy Vootkur	P	P	P	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P												
79	BAS22BS0083	Sadaksri marak	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P												
80	BAS22BS0084	Shakthi. K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P												
81	BAS22BS0085	Shalini	P	P	P	A	P	P	P	A	P	P	A	P	P	P	P	P	P	P												
82	BAS22BS0086	Shashank. J	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	A												
83	BAS22BS0087	Shashank. R	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P												
84	BAS22BS0088	Shifa Harmain	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	A	P	P												
85	BAS22BS0089	Shravya NS	P	A	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P												
86	BAS22BS0090	Shreedhanya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P												
87	BAS22BS0091	Shreeparna Banerjee	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P												
88	BAS22BS0092	Shreya. K	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P												
89	BAS22BS0093	Shreya. R.S	P	P	P	P	A	P	P	P	P	A	P	P	P	A	P	P	P	P												
90	BAS22BS0094	Shriya J	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P												
Initials of Staff																																
Initials of HOD																																

Attendance to be marked in Cumulatively only

No. of Working Days | Average Attendance during the Month | No. on Roll during Month.

Dean
School of Basic & Applied Sciences
Dayananda Sagar University
Innovation Cam... Kudlu Gate Main Road

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member..... Semester..... Subject .....

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
91	BAS22BS0095	Sinchana V	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A												
92	BAS22BS0096	Sinjini Bhadra	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	A	P	P												
93	BAS22BS0097	Sowparnika.B	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P												
94	BAS22BS0098	Spriha Saha	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P												
95	BAS22BS0099	Srinivas Patil.S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P												
96	BAS22BS0100	Suchidra.S	P	P	P	A	P	P	A	P	P	P	P	A	P	P	P	P	P	P												
97	BAS22BS0101	Sukruth S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P												
98	BAS22BS0102	Sushma MS	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P												
99	BAS22BS0103	Suvarna Ghosh	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P												
100	BAS22BS0104	Tauheer Ali Khan	P	P	P	P	A	P	P	P	A	P	P	P	P	P	A	P	P	P												
101	BAS22BS0105	Tippadareddy Niveditha	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P												
102	BAS22BS0106	V. keerthana	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P												
103	BAS22BS0107	Varsha.SS	P	A	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P												
104	BAS22BS0108	Vilas Gowda	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A												
105	BAS22BS0109	Vishnu abishek B.M	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P												
		Initials of Staff																														
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No. of Working Days | Average Attendance during the Month | No. on Roll during the Month

Dean
School of Basic & Applied Sciences
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Bengaluru-560068

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member..... Semester..... Subject .....

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
106	BAS22BSO110	Yahya mohammad shakir	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A												
107	BAS22BSO111	Yashaswini. G.N	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P												
108	BAS22BSO112	Yashaswini. H.N	P	A	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	D												
109	BAS22BSO113	Yashwitha.P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	A	P	P												
110	BAS22BSO114	Zoya Harmain	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P												

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member: Dr. Aneesa Fasim ..... Semester ..... Subject .....

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
1.	BAS21BG0001	Abhishek. C.	P	P	A	P	P	P	P	P	P	P	P	A	P	P	A	P	P													
2.	0002	Aishwarya Nair. N.S.	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	A													
3.	0003	Anjali Mishra	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P													
4.	0004	Avik Choudhury	A	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P													
5.	0006	Chaithra. R.	P	A	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P													
6.	0007	Darshana Dehingia	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P													
7.	0008	Dhanyashree	P	A	P	P	P	A	A	P	P	P	P	P	P	P	P	P	P													
8.	0009	Diyanjali Choudhury	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A													
9.	0010	Gnanika. M.	A	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P													
10.	0011	Harini. S.N.	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A													
11.	0012	Hemalekha. P.	P	P	A	P	P	A	P	P	P	P	P	P	A	P	P	P	P													
12.	0013	Hemashri. B.C.	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P													
13.	0014	Himanshu Shekhar Singh	A	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P													
14.	0015	Jatin Rao K.	P	P	P	A	P	P	P	P	A	P	P	A	P	P	P	P	P													
15.	0016	K. Mohammed Muzakkir	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P												
Initials of Staff																																
Initials of HOD																																

Attendance to be marked in Cumulatively only

No. of Working Days ..... Average Attendance during the Month ..... No. of Holidays during Month .....

Aneesa Fasim

Dean
School of Basic & Applied Sciences
Dayananda Sagar University
Innovation Campus, Kudlu Gate, Hosur Main Road,
Bengaluru-560068

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member: Dr. Aneesa Fasim ..... Semester ..... Subject .....

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
16.	BAS21BG0017	K. Prajna	A	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P													
17.	0018	Kamma Saiteja	P	A	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P													
18.	0019	Kavyashree V.	P	A	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P													
19.	0020	Kiran Kumar A.	P	P	P	A	P	A	A	P	P	P	A	P	P	P	P	P	P													
20.	0021	Kusuma K.R.	P	P	P	P	P	P	P	A	P	P	P	A	P	P	A	P	P													
21.	0022	Mahesh Kumar P.	A	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P													
22.	0023	Manohari M. Kulkarni	A	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P													
23.	0024	Mansi Mahesh	P	P	P	P	A	P	P	P	P	A	P	P	P	P	A	P	P													
24.	0025	Mustafa Shabbir	P	A	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P													
25.	0026	Neha Joshi	A	A	P	P	P	P	P	P	P	P	A	P	A	P	P	P	P													
26.	0027	Nethravathi S.	P	P	P	A	P	P	P	P	P	A	P	P	P	P	A	P	P													
27.	0028	Nithiya Shuba Shri	P	A	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P													
28.	0029	Pallavi S.	P	A	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P													
29.	0030	Prajwal H.P.	A	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P													
30.	0031	Prerana K.S.	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A													
Initials of Staff																																
Initials of HOD																																

Attendance to be marked in Cumulatively only

No. of Working Days | Average Attendance during the Month | No. on Roll during Month

Dean
School of Basic & Applied Sciences
Dayananda Sagar University
Innovation Campus, Kudlu Gate, Hosur Main Road,
Bengaluru-560068

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member: Dr. Aneesa Fasim ..... Semester ..... Subject .....

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
31.	BAS21BG0032	Rakesh Kumar. M	A	P	P	P	P	P	P	P	P	P	P	A	P	A	P	P	P													
32.	0033	Rakshitha Chaithra V.	P	P	P	P	P	P	P	P	P	P	A	P	P	P	A	P	P													
33.	0034	Ramya	P	A	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P													
34.	0035	Renushree. R.	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A	A													
35.	0036	Sujay. S.	P	P	P	P	P	P	A	P	A	P	P	P	P	P	P	A	P													
36.	0038	Sasikanth. M	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	A														
37.	0040	Shashank Ashok Gowda	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P													
38.	0041	Sheetal Damle	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	A														
39.	0042	Shivangi Kumari	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	A														
40.	0043	Shrestha Sarkar	P	P	A	P	P	P	P	A	P	A	P	P	P	P	P	P														
41.	0044	Shreya. M.	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P														
42.	0045	Shri Gayathri. N.	P	P	P	P	P	P	A	P	P	P	P	A	P	A	P	P														
43.	0046	Simran Jain	P	A	P	P	P	A	P	A	P	P	P	P	P	P	P	P														
44.	0047	Sneha Kumari	P	A	P	P	P	P	P	P	A	A	P	A	P	P	P	P														
45.	0048	Soleti Pavan Kumar Reddy	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	A														
		Initials of Staff																														
		Initials of HOD																														

Attendance to be marked in Cumulatively only

No. of Working Days | Average Attendance during the Month | No. on Roll during Month

Dean
School of Basic & Applied Sciences
Dayananda Sagar University
Innovation Campus, Kudlu Gate, Hosur Main Rd,
Bengaluru-560068

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member Dr. Aneesa Farim ..... Semester ..... Subject .....

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
46.	BAS21BG0049	Soummyadip Roy	P	P	P	P	A	P	P	P	A	A	P	P	P	P	P	P	P	P												
47.	0051	Surabhi M A	A	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P												
48.	0052	Tejashwini V	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P												
49.	0053	Varsha L	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	A	P												
50.	0054	Varsha T.R	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	A												
51.	0055	Vidhyashree. R	A	P	P	P	P	P	P	A	P	P	P	P	P	A	P	D	P													
52.	0056	Vishaal Suresh Pavithraa	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P													
53.	0057	Heeba C.H.	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P													
54.	BAS21GB0001	Aditya Ramesh Kori	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P													
55.	0002	Amulya. B.A.	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P													
56.	0003	Anupama. N.V.	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P													
57.	0004	Anwesha Patel	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P													
58.	0005	Ashutosh	P	A	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P													
59.	0006	Asmita Saha	P	P	A	P	P	A	P	P	P	P	P	P	P	A	P	P	P													
60.	0007	Aswathi. K.	P	P	P	P	P	P	A	A	P	P	A	P	P	P	P	P	P													
Initials of Staff																																
Initials of HOD																																

Attendance to be marked in Cumulatively only

No. of Working Days

Average Attendance during the Month

Dean
School of Basic & Applied Sciences
Dayananda Sagar University
Innovation Campus, Kudlu Gate, Hosur Main Road,
Bengaluru-560068

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member: Dr. Aneesa Fasim ..... Semester ..... Subject .....

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
61.	BAS21GB0008	Bhavika. K.J.	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P													
62.	0009	Bhoomika Sridhar	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P													
63.	0010	Bhuvanesh. B.	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P													
64	0011	D. Sai Viswas	P	P	P	P	P	P	P	A	P	A	P	A	P	P	P	P	P													
65.	0012	Dax Ameth	A	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P													
66.	0013	Deekshitha. S.	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A													
67.	0014	Deekshitha. C.R.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P													
68	0015	Dhathri S. Subodha	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P													
69.	0016	Divyashree A.	A	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P													
70.	0017	Goutham Gowda. G.	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A													
71.	0018	Gowthami. B.M.	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P													
72.	0019	Hithaishi. M.	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P													
73.	0020	Kankana Das	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P													
74.	0021	Kaushik. H.	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P													
75.	0022	Kavya. C.	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P													
Initials of Staff																																
Initials of HOD																																

Attendance to be marked in Cumulatively only

No. of Working Days ..... Average Attendance during the Month ..... No. of Working Days .....

Dean
School of Basic & Applied Sciences
Dayananda Sagar University
Innovation Campus, Kudlu Gate, Hosur Main Road,
Bengaluru-560068

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member: Dr. Aneesa Fasin | Semester: | Subject:

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
76.	BAS21GB0023	Klask Rutwik	A	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P													
77	0024	K.S.Hitdhar Kapadia	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P													
78.	0025	Laxmi Adappagoudar	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P													
79.	0026	Nithya Shree A	A	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P													
80.	0027	Olivia Chanda	P	A	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P													
81.	0028	Pedineedi Bhavya Sri	A	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P													
82.	0029	Mubarak Shaik Basha	P	P	P	P	P	P	A	A	P	P	P	P	P	P	A	P	P													
83.	0030	Shreya Mohan	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P													
84.	0031	Shreya Satyappa Dudyal	P	P	P	P	P	P	P	P	P	P	P	A	P	P	A	P	P													
85.	0032	Simran Katyal	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A													
86.	0033	Srushti S. Yaragatti	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A													
87.	0034	Supreet P. Sankadal	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A													
88.	0036	Varsha Kaushik	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P													
89.	0038	Yaamini R.	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P													
90.	BAS21CM0001	Anish Kumar	P	P	A	P	P	P	P	P	P	P	A	P	P	A	P	P	P													
		Initials of Staff																														
		Initials of HOD																														

Attendance to be marked in Cumulatively only

No. of Working Days | Average Attendance during the Month | No. of Pages

Dean
School of Basic & Applied Sciences
Dayananda Sagar University
Innovation Campus, Kudlu Gate, Hosur Main Road,
Bengaluru-560068

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member: Dr. Aneesa Fasim Semester: Subject:

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
91	BAS21CM0002	Bollavaram Adikeshava Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P													
92	0003	G. Mohith Reddy	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A													
93	0004	Hamsa. N.L.	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P													
94	0005	Kannika	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P													
95	0006	Kavya. M.	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A													
96	0007	Kunguma Janani. S.	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P													
97	0008	Kusuma. D	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P													
98	0009	Lavanya M.	P	A	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P													
99	0010	Mithun R.	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P													
100	0011	Muralidhar Joshi	A	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P													
101	0012	Nidhi Naithani	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P													
102	0013	Nithya. B.	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P													
103	0014	Pavan Kumar. T.E.	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P													
104	0015	Preetika Gupta	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P													
105	0016	Rakesh. S.	A	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P													
Initials of Staff																																
Initials of HOD																																

Attendance to be marked in Cumulatively only

No. of Working Days Average Attendance during the Month No. on Dean during Month.

School of Basic & Applied Sciences
Dayananda Sagar University
Innovation Campus, Kudlu Gate, Hosur Main Road,

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member: Dr. Aneesa Fasim ..... Semester ..... Subject .....

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
106	BAS21CM0018	Skanda J Madhyastha	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P													
107	0019	Smriti S Joshi	A	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P													
108	0020	Tushar Tejonidhi M	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P													
109	0021	Vishwas B.V.	P	P	A	P	A	P	P	P	P	P	P	P	A	P	P	P	P													
110	0022	Mahesh R.	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P													
111	0023	Niteesh K.	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A													

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member: Dr. Bhavya. J Semester: Subject:

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
1	BAS23MBT001	ABHILASH. K	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P															
2	BAS23MBT002	AISHWARYA VEERAYYA MATHAPATI	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P															
3	BAS23MBT003	AISHWARYA VINU	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P															
4	BAS23MBT004	AKSHATA KRISHNAGOUDA PAT	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P															
5	BAS23MBT005	AKSHAY KUMAR U.	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A															
6	BAS23MBT006	AMRUTA SADASHIV HOSUR	P	P	P	P	P	P	P	P	P	A	P	P	P	A	P															
7	BAS23MBT007	ANANYA B S	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P															
8	BAS23MBT008	ANANYA. S	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A															
9	BAS23MBT009	ANISHA SHARMA	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A															
10	BAS23MBT010	ANUSHA K.S	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P															
11	BAS23MBT011	ANUSHA S.D	P	P	P	P	P	P	P	P	P	A	P	P	P	P	A															
12	BAS23MBT012	ARPITHA K.	P	P	P	P	P	P	P	A	P	P	P	A	P	P																
13	BAS23MBT013	ASHESH DEEP RAI	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P															
14	BAS23MBT014	ASHRITA. M	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P															
15	BAS23MBT015	ASHUTOSH. R A.	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P															
Initials of Staff																																
Initials of HOD																																

Dean
School of Basic & Applied Sciences
Dayananda Sagar University

Attendance to be marked in Cumulatively only

No. of Working Days Average Attendance during the Month No. on Roll during Month

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member: DR. DINESH SR

Semester

Subject

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
1	BAS22 MBT001	Abhijit Mandal																														
2	BAS22 MBT002	Akitha V																														
3	BAS22 MBT003	Anushree TS																														
4	BAS22 MBT004	Apoorva CR																														
5	BAS22 MBT005	Ashwini Mahantesh Kalasthigar																														
6	BAS22 MBT006	Bhanushree P																														
7	BAS22 MBT007	Bharath KS																														
8	BAS22 MBT008	Bharath R																														
9	BAS22 MBT009	Deepak A																														
10	BAS22 MBT010	Deepsikha Seth																														
11	BAS22 MBT011	Eureka HK																														
12	BAS22 MBT012	Ghania Nauvahan Zaie																														
13	BAS22 MBT013	Harshitha M																														
14	BAS22 MBT014	Hemanth L Kumar																														
15	BAS22 MBT015	Hongirana HS																														
	Initials of Staff																															
	Initials of HOD																															

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School of Basic & Applied Sciences
Dayananda Sagar University
Kudlu Gate, Hosur Main Road
Bengaluru-560068

No. of Working Days | Average Attendance during the Month | No. on Roll during Month

DAYANANDA SAGAR UNIVERSITY
KUDLU GATE
BENGALURU – 560 068, KARNATAKA.
(2023-2024)

TITLE OF THE COURSE : PUBLIC HEALTH MICROBIOLOGY

COURSE OBJECTIVES:

1 Study emphazies the relationship between the defences of the human body and the virulence factors of pathogenic microorganisms.

2. It describes the infection, diseases, pathogenesis and the body's defence against pathogenic microorganisms.

COURSE OUTCOMES:

1. Apply the knowledge to understand the **microbial** physiology and to identify the microorganisms.

2. It describes how diseases are spread and how the transmission of pathogens can be controlled.

TITLE OF THE COURSE : VERMICOMPOSTING

COURSE OBJECTIVE:

- To iunderstand concepts of biofertilizers like vermicomposting.
- To understand techniques in Vermicomposting.
- To increase employability of the students.
- To improve the soil quality by promoting the biofertilizers.

COURSE OUTCOME

1) Produce good quality of Vermicompost and Vermiculture.
2) Acquire skills for entrepreneurship .

TITLE OF THE COURSE : PRECLINICAL TOXICOLOGY

COURSE OBJECTIVE:

1. Is aimed at fresher who needs to get initiated into Clinical research studies that require basic knowledge of principles of pharmacokinetics, drug metabolism, organ toxicity and toxicity evaluation concepts
2. To give essentials of toxicology required by professionals aiming to work involving preclinical toxicity evaluation studies.

COURSE OUTCOME:

1. Student should get adequate understanding of principles of preclinical toxicology
2. Student should get foundation knowledge to enable them to take up studies in clinical research.

TITLE OF THE COURSE : CLINICAL BIOCHEMISTRY

COURSE OBJECTIVE:

- Student will have a basic understanding of metabolic reactions, their regulation and how breakdown of this circuit will lead to diseased state.
- Students will also be made aware as to how these diseases affect the body, how are they detected and how to handle them.

COURSE OUTCOME:

- Students will be able to comprehend the logic behind metabolic reactions and how they lead to production of energy by the body.
- They will have an overall view of several diseases including their biochemical implications and tests performed for detection.

TITLE OF THE COURSE : MODELS FOR STUDYING HUMAN DISEASES

COURSE OBJECTIVE:

To understand the models to study human lifestyle disorders which are relevant to solve medical and non-medical health issues.

COURSE OUTCOME:

The student will be able to optimize and validate the models (vertebrate and non-vertebrate) for better understanding of lifestyle disorders.

DAYANANDA SAGAR UNIVERSITY

SCHOOL OF BASIC AND APPLIED SCIENCES

B.Sc. III Semester Students List

Public Health Microbiology

SL.NO	USN	NAME	sign
1	BAS23BS0001	ADITYA RUPALI DARSHAN SANGODKAR	
2	BAS23BS0002	AISHWARYA	
3	BAS23BS0003	APARNA DUTTA	
4	BAS23BS0004	ARSHA SHARMA	
5	BAS23BS0005	BANDARI ACHSAH	
6	BAS23BS0006	BHANU SHREE M	
7	BAS23BS0007	BHAVANI G REDDY	
8	BAS23BS0008	C K CHIMAN	
9	BAS23BS0009	CHITRA. G	
10	BAS23BS0010	DEEPA. K	
11	BAS23BS0011	GUNI GANTI VYSHNAVI	
12	BAS23BS0012	H. D. APALIKE	
13	BAS23BS0013	HARI PRASAD.N	
14	BAS23BS0014	HARRY CHRIS C	
15	BAS23BS0015	HARSHITHA SINGH	
17	BAS23BS0017	I HEMSAI SWAROOP REDDY	
18	BAS23BS0018	JANICE GABRIELLA RODRIGUES	
19	BAS23BS0019	JEEVAN KUMAR	
20	BAS23BS0020	YOGESH K	
21	BAS23BS0021	KETHINENI LAHARI	
22	BAS23BS0022	LEKHANA KUMAR	
23	BAS23BS0023	LICHANA N	
24	BAS23BS0024	LIKITH.B.S	
25	BAS23BS0025	M PREETHI SHAKUNAVALLI	
26	BAS23BS0026	MAANYA C	
27	BAS23BS0027	MAITHILI SARKAR	
28	BAS23BS0028	MAYANK KASHYAP	
29	BAS23BS0029	MOHAN BABU	
30	BAS23BS0030	MOHAN PRIYA	
31	BAS23BS0031	MONISHA A	
32	BAS23BS0032	NAYANA.C.L	
33	BAS23BS0033	PRABHAV PAGADALA HARIRAM	
34	BAS23BS0034	PRACHI SINGH CHOWDHARY	
35	BAS23BS0035	PRANIT SINGH	
36	BAS23BS0036	PRANITA RAVI	
37	BAS23BS0037	RACHNA SARASWATHY	
38	BAS23BS0038	SAMYUKTHA.S	
39	BAS23BS0039	SMRITA DAS	
40	BAS23BS0040	SNEHA GHOSH	
41	BAS23BS0041	SOWMYA YADAV.G	
42	BAS23BS0042	SRUJANANANDA S BHAT	
43	BAS23BS0043	U.MEGHANA	
44	BAS23BS0044	VARSHASHREE N	
45	BAS23BS0045	VELIGARAM ROHITH	

46	BAS23BS0046	BHAVANA S	
47	BAS23BS0047	KAVERY S	
48	BAS23BS0048	YUKTHA N K	
49	BAS23BS0048	YUKTHA N K	

IV Sem MSc

DAYANANADA SAGAR UNIVERSITY

SCHOOL OF BASIC AND APPLIED SCIENCES

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5	AKSHAY KUMAR U	BAS23MBT005	
6	AMRUTA SADASHIV HOSUR	BAS23MBT006	
7	ANANYA B S	BAS23MBT007	
8	ANANYA S	BAS23MBT008	
9	ANISHA SHARMA	BAS23MBT009	
10	ANUSHA K S	BAS23MBT010	
11	ANUSHA S D	BAS23MBT011	
12	ARPITHA K	BAS23MBT012	
13	ASHESH DEEP RAI	BAS23MBT013	
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15	ASHUTOSH R A	BAS23MBT015	
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18	BHAJANA S K	BAS23MBT018	
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21	BHOOMIKA K N	BAS23MBT021	
22	CHAYA K	BAS23MBT022	
23	CHETAN G V	BAS23MBT023	
24	CHETHAN KUMAR D J	BAS23MBT024	
25	DEBASHMA ROY	BAS23MBT025	
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27	DEEPTHI K	BAS23MBT027	
28	DISHA K M	BAS23MBT028	
29	DURGAM PRAJWAL	BAS23MBT029	
30	EZHILARASI. R	BAS23MBT030	
31	GAGANA DEEPA C S	BAS23MBT031	
32	GANASHREE H U	BAS23MBT032	
33	GARGI DILIPBHAI PATEL	BAS23MBT033	
34	GEETA GOPAL NAIK	BAS23MBT034	
35	GEETHIKA DILJITH	BAS23MBT035	

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40	JANNE MAMATHA SREE	BAS23MBT040	J. Mamatha Sree
41	K.ANUSHA	BAS23MBT041	K. Anusha
42	KADAPA BHAVANA SREE	BAS23MBT042	K. Bhavana Sree
43	KEERTHANA M	BAS23MBT043	Keerthana.M
44	KEERTHANA.G	BAS23MBT044	Keerthana G
45	KISHORE S K	BAS23MBT045	Kishore.S.K.
46	KOLLAVARAM LALITHA	BAS23MBT046	Lalitha
47	MANOJ M	BAS23MBT047	
48	MEENAKSHI B	BAS23MBT048	Meenakshi
49	MONICA H M	BAS23MBT049	
50	MONIKA M V	BAS23MBT050	Monika M.V.
51	MRIDUSHMITA DAS	BAS23MBT051	M. Das
52	N GAURAV MALLIKARJUN	BAS23MBT052	Gaurav
53	NAMBI MUNI POORNIMA	BAS23MBT053	N.M.Poornima
54	NAVEEN UPADHYAY	BAS23MBT054	Naveen
55	NISARGA K H	BAS23MBT055	Nisarga.K.H.
56	NISHA G	BAS23MBT056	
57	NISHANTH S	BAS23MBT057	
58	PALLAVI R	BAS23MBT058	Pallavi.R
59	PAVITHRA B S	BAS23MBT059	Pavithra.B.S
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61	PRAJWAL H N	BAS23MBT061	Prajwal H.N.
62	PRANJAL RAJ	BAS23MBT062	
63	PRIYA.S	BAS23MBT063	
64	PRIYANKA S	BAS23MBT064	Priyanka S
65	PRUTHVI RAJ B N	BAS23MBT065	
66	PUNYA D	BAS23MBT066	
67	R SADHVI NADIG	BAS23MBT067	R. Sadhvi Nadig
68	RADHIKA R KOPPAD	BAS23MBT068	
69	RAMANI DRASHTI DINESHBHAI	BAS23MBT069	
70	RAMESH PRABHANNA TOTAKAVU	BAS23MBT070	Ramesh
71	RUMKI DAS	BAS23MBT071	
72	RUPESH CHANDRA RAVIPATI	BAS23MBT072	Rupesh
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78	SNEHA S RAO	BAS23MBT078	
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80	SURAKSHA H S	BAS23MBT080	
81	SWATI SWAGATIKA ROUT	BAS23MBT081	
82	T PRASHANTH	BAS23MBT082	
83	TANMAY RANE	BAS23MBT083	
84	TASHI ZANGMU BHUTIA	BAS23MBT084	
85	THANUJA S	BAS23MBT085	
86	THARUN RAJ N	BAS23MBT086	
87	THASHWINI P M	BAS23MBT087	
88	THUSHAR H C	BAS23MBT088	
89	VAISHNAVI A S	BAS23MBT089	
90	VAISHNAVI KOTHIWALE	BAS23MBT090	
91	VANSHEE P S	BAS23MBT091	
92	VARSHINI K R	BAS23MBT092	
93	VASUDEV KRISHNA	BAS23MBT093	
94	VOOTUKURI SHRAVANI	BAS23MBT094	
95	YASHASWINI R	BAS23MBT095	
96	AKRITI KUMARI PUSHP	BAS23MBT096	
97	ANKITA NAIK	BAS23MBT097	
98	HARSHITHA BP	BAS23MBT098	
99	K RAHUL RAJ	BAS23MBT099	
100	KURSONGMIT LEPCHA	BAS23MBT100	
101	LIKHITH N R	BAS23MBT101	
102	MEDARAMETIA AKSHITHA REDDY	BAS23MBT102	
103	N S VIJAYA DAANEESH	BAS23MBT103	
104	NEHA KUMARI	BAS23MBT104	
105	PAVAN KUMAR A	BAS23MBT105	
106	PANKAJA SHANTINATH KENCHAGOUDA	BAS23MBT106	
107	RACHANA A R	BAS23MBT107	
108	SHREYAS. S	BAS23MBT108	
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119	DARSHAN S	BAS23MMB007	Darshan
120	DEEPASHREE H S	BAS23MMB008	H.S. Deepa
121	DEEPTI G	BAS23MMB009	Deepti.
122	DHOLAKIYA NAMRATTA	BAS23MMB010	Namratta.
123	FARASHA MAINUDDIN SHAIKH	BAS23MMB011	Farasha.
124	FATIMA NABI	BAS23MMB012	Fatima
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126	HARISH G DESHPANDE	BAS23MMB014	Harish
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129	HARSHITHA.KG	BAS23MMB017	
130	KAVYA MARUTI KABBER	BAS23MMB018	
131	KRUTIKA PRABHAKAR SHETTY	BAS23MMB019	Krutika.
132	LAHARISH V	BAS23MMB020	Laharish...
133	MADHUSUDAN P HADIMANI	BAS23MMB021	Madhusudan
134	MANDIRA BISWAS	BAS23MMB022	Mandira Biswas
135	MEGHANA M BHAT	BAS23MMB023	Meghana
136	NEHA VADIRAJ	BAS23MMB024	Neha
137	NIRMITHA KRISHNA	BAS23MMB025	Nirmitha
138	POONAM MEWARA	BAS23MMB026	Poonam Mewara
139	PRATIKCHA RAI	BAS23MMB027	Pratikcha.
140	PUTTABANTI SONIYA	BAS23MMB028	Soniya
141	RAHUL BABURAJ	BAS23MMB029	Rahul
142	S.G.SUPRIYA	BAS23MMB030	Supriya.
143	SAYANA M	BAS23MMB031	Sayana
144	SHAMA NADIG	BAS23MMB033	Shama
145	SHERIN RODRIGUES	BAS23MMB034	Sherin Rodrigues
146	SHREYASHRI KUNDU	BAS23MMB035	Shreyashri
147	SINCHANA S	BAS23MMB036	Sinchana S
148	SOWMYASHREE DS	BAS23MMB037	
149	SRISHTI SINGH	BAS23MMB038	Srishti Singh

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153	VIDHYASHREE S D	BAS23MMB042	
154	WENDY ERYSHEBA RYNTATHIANG	BAS23MMB043	
155	ANJAN GOWDA.A	BAS23MMB044	
156	YASHASWINI.S	BAS23MMB045	
157	ANJALI .S	BAS23MBC001	
158	ANUSHA A C	BAS23MBC002	
159	ANUSKA BANERJEE	BAS23MBC003	
160	ARCHANA N V	BAS23MBC004	
161	BHOOMIKA VISHNU KHARVI	BAS23MBC005	
162	DHANYA BHASKAR PATGAR	BAS23MBC006	
163	GEETHANJALI R B	BAS23MBC007	
164	GOUTAMI	BAS23MBC008	
165	JENIFER L	BAS23MBC009	
166	KEERTHAN M S	BAS23MBC010	
167	LAVANYA.R	BAS23MBC011	
168	MEGHANA M REDDY	BAS23MBC012	
169	NAYANA MANJU GOUDA	BAS23MBC013	
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171	NISHA GANGADHAR B	BAS23MBC015	
172	POORVIKA J N	BAS23MBC016	
173	PREKSHITHA A L	BAS23MBC017	
174	PRIYANKA P GAONKAR	BAS23MBC018	
175	PURNACHANDRA M KULKARNI	BAS23MBC019	
176	RASHMI MANJUNATH BHAT	BAS23MBC020	
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III Y IS

DAYANANDA SAGAR UNIVERSITY,

School of Basic & Applied Sciences

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23	Mansi Mahesh	BAS21BG0024	
24	Mustafa shabbir	BAS21BG0025	
25	Neha Joshi	BAS21BG0026	
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32	Rakshitha Chaithra V	BAS21BG0033	
33	Ramya	BAS21BG0034	
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35	Sujay S	BAS21BG0036	
36	Sasikanth.M	BAS21BG0038	
37	Shashank Ashok Gowda	BAS21BG0040	
38	Sheethal Damle	BAS21BG0041	
39	Shivangi Kumari	BAS21BG0042	
40	Shrestha Sarkar	BAS21BG0043	
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44	Sneha Kumari	BAS21BG0047	
45	SOLETI PAVAN KUMAR REDDY	BAS21BG0048	
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53	Heeba CH	BAS21BG0057	
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55	Amulya.B.A	BAS21GB0002	
56	Anupama N V	BAS21GB0003	

57	ANWESHA PATEL	BAS21GB0004	
58	Ashutosh	BAS21GB0005	
59	Asmita Saha	BAS21GB0006	
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61	Bhavika K J	BAS21GB0008	
62	Bhoomika Sridhar	BAS21GB0009	
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66	Deekshitha S	BAS21GB0013	
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72	HITHAISHI M	BAS21GB0019	
73	KANKANA DAS	BAS21GB0020	
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80	Olivia chanda	BAS21GB0027	
81	Pedineedi Bhavya Sri	BAS21GB0028	
82	MUBARAK SHAIK BASHA	BAS21GB0029	
83	Shreya Mohan	BAS21GB0030	
84	Shreya satyappa dudyal	BAS21GB0031	
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87	SUPREET P SANKADAL	BAS21GB0034	
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90	Anish Kumar	BAS21CM0001	
91	Bollavaram Adikeshava Reddy	BAS21CM0002	
92	G.Mohith Reddy	BAS21CM0003	
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96	Kunguma Janani S	BAS21CM0007	
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103	Pavan kumar T.E	BAS21CM0014	
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105	Rakesh S	BAS21CM0016	
106	Skanda J Madhyastha	BAS21CM0018	
107	Smriti S Joshi	BAS21CM0019	
108	Tushar Tejonidhi M	BAS21CM0020	
109	Vishwas B V	BAS21CM0021	
110	Mahesh R	BAS21CM0022	
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II Y M.Sc

DAYANANDA SAGAR UNIVERSITY,
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6	Bhanushree p	BAS22MBT006	Bhanu.
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8	Bharath R	BAS22MBT008	RBharath
9	Deepak A	BAS22MBT009	Deepak
10	Deepsikha Seth	BAS22MBT010	DeepsikhaSeth
11	Eureka H K	BAS22MBT011	Eureka
12	Ghania Naurahan Zaie	BAS22MBT012	Ghania
13	Harshitha M	BAS22MBT013	Harshitha.M
14	Hemanth L Kumar	BAS22MBT014	Hemanth
15	Hongirana H S	BAS22MBT015	Hongirana
16	Husna Firdouse Sanaulla	BAS22MBT016	Husha.
17	Janani Gmr	BAS22MBT017	Janani.
18	K.M Varsha Kumari	BAS22MBT018	VarshaK.M.
19	Kavya A	BAS22MBT019	KavyaA.
20	Lahari S	BAS22MBT020	Lahari S.
21	Lokeshwaran V R	BAS22MBT021	VRLokeshwaran
22	Mahimashree B.A.	BAS22MBT022	Mahima.BA.
23	Manasa M	BAS22MBT023	ManasaM
24	Megha V Naragund	BAS22MBT024	MeghaVaragund
25	MEGHANA N	BAS22MBT025	Meghana
26	Meghana. L U	BAS22MBT026	Meghana LU.
27	MUSKAN JHA	BAS22MBT027	Muskan
28	Nagadarshini S	BAS22MBT028	Dashini S.
29	Namagundla Vyshnavi	BAS22MBT029	N.Vyshnavi
30	Nikhitha R	BAS22MBT030	NikkiR.
31	Nineetha Y S	BAS22MBT031	Nineetha
32	Pit Pit Zaheer	BAS22MBT032	Zaheer.
33	Poornima J	BAS22MBT033	Poornima
34	Prema I	BAS22MBT034	Prema.I.
35	Priya Raichur	BAS22MBT035	Priya.R.
36	Proshila Rai	BAS22MBT036	Proshila
37	Rajashree Sarma	BAS22MBT037	Rajashree.

38	Rakshitha Ponnamma K.P	BAS22MBT038	Rakshitha
39	Reshma R	BAS22MBT039	Reshma.R.
40	Rohan Reddy	BAS22MBT040	Rohan
41	Safina Yesmine	BAS22MBT041	Yesmine.
42	SAKSHI	BAS22MBT042	Sakshi
43	Savitha Gowda	BAS22MBT043	Savitha Gowda
44	Sayoni Mitra	BAS22MBT044	Sayoni Mitra
45	Shaheen	BAS22MBT045	Shaheen
46	Shraddha Paschapur	BAS22MBT046	Shraddha
47	Shree Hari H N	BAS22MBT047	Shree Hari.H N.
48	Shreya . S	BAS22MBT048	S.Shreya
49	Sirisha M	BAS22MBT049	Sirisha
50	Sonali Srivastava	BAS22MBT050	Srivastava Sonali
51	Sukrutha Ramani	BAS22MBT051	Sukrutha.
52	T.lahari	BAS22MBT052	T.lahari
53	Thanusha Priya M	BAS22MBT053	Thanusha Priya.M
54	Vanitha C S	BAS22MBT054	V.Vanitha
55	Varshith M B	BAS22MBT055	Varshith.M.B.
56	Veda S Goudanaikar	BAS22MBT056	Veda.S.G.
57	Vinushree Gowda V	BAS22MBT057	Vinushree
58	Vinutha H Nayak	BAS22MBT058	Vinutha.
59	Vismitha S	BAS22MBT059	Vismitha
60	Yathish Gowda G M	BAS22MBT060	Yathish G M.
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	Bhagyashree S U	BAS22MBC002	Bhagyasha
	CHANDANA N	BAS22MBC003	Chandana N.
	Karthik V	BAS22MBC004	Karthik.V.
	MAHESHWARI R	BAS22MBC005	Maheshwari.R.
	Medha Mahindra	BAS22MBC006	Medha M.
	Nandhini K	BAS22MBC007	K Nandhini
	Nikhil M Inamdar	BAS22MBC008	Nikhil.M.
	Nithya Jyothi . A	BAS22MBC009	Nithya.A.
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	Raymond Jerome R	BAS22MBC012	Raymond.R.
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	Sahana R	BAS22MBC014	Sahana
	Sriprada G	BAS22MBC015	Sripada
	Vindya Sanjeevi P	BAS22MBC016	Vindya.P.
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	Mohamed Aslam	BAS22MHG004	Mohamed Aslam
	Patel Esha Vihangbhai	BAS22MHG005	Esha Patel.
	Varshitha.k	BAS22MHG006	Varshitha.K.

MBC

Vondhana R	BAS22MHG007	R. Vondhana
A Sai Swetha	BAS22MMB001	A. Swetha
Aisiri S Hebbar	BAS22MMB002	Aisiri. S. Hebbar
Alekhya G R	BAS22MMB003	Alekhya. G. R
Ananya N	BAS22MMB004	Ananya. N.
ANUSHA S	BAS22MMB005	S. Anusha
B A Suhas	BAS22MMB006	Suhas.
CHANDANA B R	BAS22MMB007	Chandana B. R.
D Janvitha S Reddy	BAS22MMB008	Janvitha Reddy
Deepa Y C	BAS22MMB009	Deepa
Deepika M	BAS22MMB010	Deepika. M.
Gagana C Shekar	BAS22MMB011	Gagana Shekar
Harshitha M	BAS22MMB012	Harshi. M..
Hemashree N	BAS22MMB013	N. Hemashree
Ishika Garai	BAS22MMB014	Ishika Garai
Kavya Hegde	BAS22MMB015	Kavya.
Kavyashree K G	BAS22MMB016	Kavyashree
Keerthana S	BAS22MMB017	Keerthana S.
Lalitha A	BAS22MMB018	Lalitha. A.
Lekhana. V	BAS22MMB019	Lekhana N.
LIKITH M	BAS22MMB020	Likith. M.
Manoj B	BAS22MMB021	Manoj. B.
Monisha S	BAS22MMB022	Monisha S.
Munish.j	BAS22MMB023	Munish.
Naina Sharma	BAS22MMB024	Naina Sharma
Nanditha S	BAS22MMB025	Nanditha. S.
Narmada A N	BAS22MMB026	Narmada.
Navya P K	BAS22MMB027	P. K Navya
Niharika	BAS22MMB028	Niharika
Pallavi B.A	BAS22MMB029	Pallavi. B. A.
Paras Khadyal	BAS22MMB030	Paras..
Rajnee Joel	BAS22MMB031	Rajnee Joel
Richa Lekharu	BAS22MMB032	Richa Lekharu
Sahana N R	BAS22MMB033	Shana
SAHANA.S	BAS22MMB034	Sahana
Sandeepreddy P.c	BAS22MMB035	Sandeep Reddy
Sanjana C	BAS22MMB036	Sanjana C.
Saroj Lakshmy U	BAS22MMB037	Saroj Lakshmy.
Shefali Santosh Kamble	BAS22MMB038	Shefali. S
Shital Mazumder	BAS22MMB039	Shital
Shreya Vinod	BAS22MMB040	Shreya
Shreyas K Achar	BAS22MMB041	Shreyas. K.
Sindhu R	BAS22MMB042	Sindhu
Skantap Priya.K.K	BAS22MMB043	Priya. K K.
Sowjanya S.R	BAS22MMB044	Sowjanya. SR.

Sree Raksha G	BAS22MMB045	Raksha G.
Srujana.R	BAS22MMB046	Srujana R.
Subhangi Pal	BAS22MMB047	Subhangi Pal
Subiksha S	BAS22MMB048	Subiksha
Suraj Prasad	BAS22MMB049	Suraj
Syeda Sufiya	BAS22MMB050	Sufiya Syeda
V.R SHRAVANI	BAS22MMB051	Shravani. V. R.
Vaishnavi Joshi	BAS22MMB052	Vaish Joshi
Vasupradha. S H	BAS22MMB054	Vasupradha
Waseem Ahmed	BAS22MMB055	WaseemAhmed
Yeddula Vybhav Kumar Reddy	BAS22MMB056	Vybhav Reddy.
Yuktha K	BAS22MMB057	Yuktha. K.
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SL.NO	USN	NAME	Signature
1	BAS22BS0001	Abhishek K	
2	BAS22BS0002	Aditya Sharma	Aditya Sharma
3	BAS22BS0003	AJAY. G	
4	BAS22BS0004	Ananth Shankar Tirtha	
5	BAS22BS0005	Annesha Biswas	Annesha Biswas
6	BAS22BS0006	Ansh chaturvedi	
7	BAS22BS0008	Anushka Priya Bage	
8	BAS22BS0009	Arya Abhipsa Satpathy	
9	BAS22BS0010	Bharat Morpana	
10	BAS22BS0011	BHOOMIKA. C	Bhoomikae
11	BAS22BS0012	BHUMIKA S K	
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25	BAS22BS0026	Dileepkumar.G	
26	BAS22BS0027	Dinesh Kumar M	
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30	BAS22BS0031	GOWTHAMI B	
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36	BAS22BS0037	Hemanth Ashok Ganiger	
37	BAS22BS0038	Hitesh kumar D	
38	BAS22BS0039	Hithaishree S	
39	BAS22BS0040	Iftesam Parvin	
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41	BAS22BS0042	JINAL D	
42	BAS22BS0044	Keerthana J	
43	BAS22BS0045	Keerthi R	
44	BAS22BS0046	Kharwbai Debbarma	
45	BAS22BS0047	Kushi Agarwal	
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47	BAS22BS0050	Henil Kotadiya	
48	BAS22BS0051	Kumudha H	
49	BAS22BS0052	Kusuma. P	
50	BAS22BS0053	T Lakshana	
51	BAS22BS0054	Lavanya.H	
52	BAS22BS0055	M.R. Vaishnavi	
53	BAS22BS0056	Madhan Kumar B	
54	BAS22BS0057	Manasa s Kumar	
55	BAS22BS0058	Merla Sudha	
56	BAS22BS0059	Michi Sophia	
57	BAS22BS0060	Mohammed Rizwan	
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59	BAS22BS0062	Monisha N	
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61	BAS22BS0064	Mukundan	
62	BAS22BS0065	Nithya M Swamy	
63	BAS22BS0066	Nithya R	
64	BAS22BS0067	Aishwarya Pallapothu	
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71	BAS22BS0074	Ram Kumar Raghu	
72	BAS22BS0075	RAMKUMAR.R (Ramakrishna)	
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74	BAS22BS0078	Rodikson Basumatary	
75	BAS22BS0079	Rupasi Saha	
76	BAS22BS0080	S.Harshavardini	
77	BAS22BS0081	Saanvi.P.R	
78	BAS22BS0082	Sanjana Reddy Vootkur	
79	BAS22BS0083	Sataksri Marak	
80	BAS22BS0084	Shakthi. K	
81	BAS22BS0085	Shalini	
82	BAS22BS0086	Shashank J	
83	BAS22BS0087	Shashank.R	
84	BAS22BS0088	Shifa Harmain	
85	BAS22BS0089	Shravya N S	
86	BAS22BS0090	Shreedhanya	
87	BAS22BS0091	SHREEPARNA BANERJEE	
88	BAS22BS0092	Shreya. K	
89	BAS22BS0093	Shreya.r.s	
90	BAS22BS0094	Shriya j	
91	BAS22BS0095	Sinchana V	
92	BAS22BS0096	Sinjini Bhatta	
93	BAS22BS0097	Sowparnika B	
94	BAS22BS0098	Spriha Saha	
95	BAS22BS0099	Srinivas Patil s	
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107	BAS22BS0111	Yashaswini G N	
108	BAS22BS0112	Yashaswini.H.N	
109	BAS22BS0113	Yashwitha P	
110	BAS22BS0114	Zoya Harmain	

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CHETAN G V

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DEBASHMA ROY

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DEEPTHI K

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DISHA K M

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DURGAM PRAJWAL

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This is to certify that

JANICE GABRIELLA RODRIGUES

Student of School of Basic and Applied Sciences, Dayananda Sagar University, Bangalore has successfully completed the value added course entitled **"Public Health Microbiology" January** 2024.

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JEEVAN KUMAR

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Challa Mokshith Chowdary

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Deep r Dave

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Dharshan M

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Dileep Kumar G

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This is to certify that

Tauheer Ali Khan

Student of School of Basic and Applied Sciences, Dayananda Sagar University, Bangalore has successfully completed the value added course entitled **"Vermicomposting" January** 2024.

Prof. Sunil S. More
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Certificate of Completion

This is to certify that

Abhishek K

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This is to certify that

Aditya Sharma

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This is to certify that

Aneesha Biswas

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Bhoomika C

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This is to certify that

Bhupani Suresh Babu

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This is to certify that

Brinda Jayasimha Kashyap

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Chandra Lakshmi Sahithi

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Davasam Sanjana

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Deepika M

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Ganashree V

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Hemanth Ashok Ganiger

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M R Vaishnavi

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Madhan Kumar B

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Manasa S Kumar

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Mopuri Poojitha Reddy

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Aishwarya Pallapothu

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Ram Kumar Raghu

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Ram Kishore S

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Sanjana Reddy Vootkur

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Shrinivas Patil S

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Suchitra S

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Sukruth S

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Sushma M S

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Tippadareddy Niveditha

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Vishnu Abhishek B M

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Yashaswini G N

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Arya Abhipsa Satpathy

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S Hemalatha

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Mukundan

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This is to certify that

Yahya Mohammad Shakir

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This is to certify that

Abhishek C

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Aishwarya Nair N S

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Anjali Mishra

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This is to certify that

Avik Choudhary

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Darshana Dehingia

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This is to certify that

Diyanjali Choudhury

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Gnanika M

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Harini S N

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Hemalekha P

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Jatin Rao K

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K Mohammed Muzakkir

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Surabhi M A

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Tejashwini V

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Aditya Ramesh Kori

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Shreya Mohan

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This is to certify that

Shreya . S

Student of School of Basic and Applied Sciences, Dayananda Sagar University, Bangalore has successfully completed the value added course entitled **"Models for Studying Human Diseases" January 2024.**

Prof. Sunil S. More
Professor and Dean,
SBAS, Dayananda Sagar University

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This is to certify that

Sirisha M

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This is to certify that

Sonali Srivastava

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This is to certify that

Sukrutha Ramani

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T.lahari

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Thanusha Priya M

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Vanitha C S

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Varshith M B

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Veda S Goudanaikar

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Pooja N Raikar

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R. Sreedev

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Raymond Jerome R

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Sriprada G

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Vindya Sanjeevi P

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Bhavana S P

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Mohamed Aslam

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Patel Esha Vihangbhai

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A Sai Swetha

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Aisiri S Hebbar

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Alekhya G R

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Ananya N

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B A Suhas

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D Janvitha S Reddy

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Deepa Y C

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Deepika M

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Gagana C Shekar

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Harshitha M

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Hemashree N

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Ishika Garai

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Sandeepreddy P.C

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Saroj Lakshmy U

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This is to certify that

Shefali Santosh Kamble

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Shital Mazumder

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Prof. Sunil S. More
Professor and Dean,
SBAS, Dayananda Sagar University

Dayananda Sagar University
School of Basic and Applied Science
Bangalore

Certificate of Completion

This is to certify that

Shreya Vinod

Student of School of Basic and Applied Sciences, Dayananda Sagar University, Bangalore has successfully completed the value added course entitled **"Models for Studying Human Diseases" January 2024.**

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Shreyas K Achar

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Sindhu R

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Skantap Priya.K.K

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Sowjanya S.R

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Sree Raksha G

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Subhangi Pal

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Certificate of Completion

This is to certify that

Suraj Prasad

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This is to certify that

Syeda Sufiya

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This is to certify that

V.R SHRAVANI

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This is to certify that

Vaishnavi Joshi

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This is to certify that

Vasupradha. S H

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This is to certify that

Waseem Ahmed

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This is to certify that

Yeddula Vybhav Kumar Reddy

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S INDUSHREE

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SCHOOL OF

Financial Markets and Investment Analysis

SL	USN	Student Name	07-08-2023	08-08-2023	09-08-2023	10-08-2023	11-08-2023	12-08-2023	14-08-2023	15-08-2023	16-08-2023	17-08-2023	18-08-2023	21-08-2023	22-08-2023	23-08-2023	24-08-2023	25-09-2023
			2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM
1	CMS22MBA001	Abhishek Dodawad	P	A	P	P	P	P	P	A	P	P	P	P	P	P	A	P
2	CMS22MBA002	Abhishek Tikotekar	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P
3	CMS22MBA003	Ajay M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	CMS22MBA004	Akash R Y	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	CMS22MBA005	Amshumalini.K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	CMS22MBA006	Anita Nagaraj Hegde	P	A	A	P	P	P	P	P	P	A	P	P	P	P	P	P
7	CMS22MBA009	Bharath Kumar VB	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	CMS22MBA011	BHEEMESHA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
9	CMS22MBA012	Bhoomika S	P	P	P	P	P	P	P	A	P	P	P	P	A	P	A	A
10	CMS22MBA013	Chathurya M N	P	P	A	P	P	A	P	A	A	A	P	P	P	P	A	P
11	CMS22MBA014	Chetana Devaraj Hegde	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P
12	CMS22MBA016	Chethan N	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	CMS22MBA017	Chinmay Devadiga	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	CMS22MBA018	Deepalakshmi K	P	P	A	P	P	P	P	P	P	A	P	P	A	P	P	P
15	CMS22MBA019	Duleep s	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P
16	CMS22MBA020	E Suhas	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	CMS22MBA021	GANESH GOVIND NAIK	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	CMS22MBA022	Gangamma Valmiki G	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P
19	CMS22MBA025	Karthik P G	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A
20	CMS22MBA026	Keerthana M	P	P	P	P	P	P	A	A	A	P	P	P	P	P	P	P
21	CMS22MBA028	M MOHANMURALI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	CMS22MBA029	Madhan kumar r	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P
23	CMS22MBA031	MADHUKUMAR C	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	CMS22MBA032	Manjunath H P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	CMS22MBA033	Mohammed saqueeb pasha	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P
26	CMS22MBA034	Mohammed Sufiyan A Shaikh	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P
27	CMS22MBA035	NAMITA DATTATRAYA GAONKAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	CMS22MBA036	Naveen Kumar B	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	CMS22MBA038	Nisarga E S	P	A	P	P	P	P	A	P	P	P	P	P	P	A	P	P
30	CMS22MBA039	Nithin R	P	P	A	P	P	P	P	P	A	A	P	P	P	P	P	A
31	CMS22MBA040	Nitish Hegde	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P
32	CMS22MBA042	P S Naveen	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P
33	CMS22MBA044	Ponnarasi Pooja	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
34	CMS22MBA045	Poornachandra Hegde	P	P	A	P	P	P	A	P	P	A	P	P	P	A	P	P
35	CMS22MBA046	Prasannakumar S Munnoli	P	A	P	P	P	A	P	P	P	P	P	P	A	P	P	P
36	CMS22MBA047	Pravalika M		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
37	CMS22MBA049	Ramya S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
38	CMS22MBA050	Ravi Kiran B H	P	P	A	P	P	P	P	P	A	A	P	P	P	P	P	A
39	CMS22MBA052	SANDEEP M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
40	CMS22MBA054	SARIM KHAN	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
41	CMS22MBA055	Saurabh kumar	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P
42	CMS22MBA056	Sharanabasava M	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P
43	CMS22MBA057	Sharath M S	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P
44	CMS22MBA058	Sharath U Shetty	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
45	CMS22MBA059	Shashank Sateesh Marathe	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
46	CMS22MBA061	Sudarshan B R	A	P	A	P	P	A	P	P	P	A	P	P	A	P	P	P
47	CMS22MBA062	Sudeep B M	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P
48	CMS22MBA063	SUPRITH U N	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
49	CMS22MBA064	Tejashree M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
50	CMS22MBA065	V R Prasad	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A
51	CMS22MBA066	Vaibhav M K	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P

		Vanitha Anant Bhat	P	P	A	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P	A	P	P
		Vinay Gosh	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
	MBA079	Ajay r	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
	S22MBA078	Annie	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
57	CMS22MBA080	Bannappa muggannavar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
58	CMS22MBA083	Damini	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
59	CMS22MBA084	DARSHAN D M	P	A	P	P	P	A	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P
60	CMS22MBA085	Dawoodullahaig	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
61	CMS22MBA087	Durgaa Lakshmi R	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
62	CMS22MBA088	Dwijesh Amrutkar	P	P	A	P	P	P	P	A	P	P	A	A	P	P	P	P	P	P	P	P	A
63	CMS22MBA093	Harsha S S	P	P	P	A	A	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P
64	CMS22MBA094	Harshita Chauhan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
65	CMS22MBA095	Hemanth R	P	P	A	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P
66	CMS22MBA096	Istarth S S	P	A	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
67	CMS22MBA098	Jhansi Durga Punjabi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
68	CMS22MBA099	Karthik N	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
69	CMS22MBA100	karthik s	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
70	CMS22MBA103	Kruthik Kashyap	A	A	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P
71	CMS22MBA104	Kushalappa MM	P	P	P	P	A	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	A
72	CMS22MBA105	Leelashankar S	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
73	CMS22MBA109	M Meghana Raj	P	A	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
74	CMS22MBA112	Mohan R	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P
75	CMS22MBA113	Moidin Mahammad Ashbak	P	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P
76	CMS22MBA116	Nellore chandana	P	A	A	P	P	A	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P
77	CMS22MBA117	Nikhil A	P	P	P	A	A	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P
78	CMS22MBA119	N Suhail	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
79	CMS22MBA120	Palem Bhavana	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
80	CMS22MBA121	Pradeep nilaj	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
81	CMS22MBA123	Prajna	A	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
82	CMS22MBA124	Praveen G5	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
83	CMS22MBA127	R BHAVANA	P	P	A	P	P	P	A	P	A	A	P	P	P	P	A	P	P	P	P	P	A
84	CMS22MBA128	Raghu vamshi R	P	A	P	P	A	P	A	P	P	P	P	A	P	P	A	P	P	P	P	P	P
85	CMS22MBA129	Rajendra Ittina	P	A	P	A	P	P	P	A	P	P	P	A	P	P	P	P	P	P	A	P	P
86	CMS22MBA130	Rakesh s	P	A	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
87	CMS22MBA133	Rohith S	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
88	CMS22MBA134	Rucheethkumar ns	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
89	CMS22MBA135	Sachin N.B	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
90	CMS22MBA137	Sahitya S Patil	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
91	CMS22MBA138	Sai Mourya R	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
92	CMS22MBA140	Samarth H R	A	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P
93	CMS22MBA141	Satwik Gouda	P	P	P	P	A	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	A
94	CMS22MBA142	Sharath P	P	A	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
95	CMS22MBA146	Shreelakshmi	P	P	A	A	P	A	P	A	P	A	A	P	A	P	P	P	P	P	A	P	P
96	CMS22MBA147	SHREYA SUNKAD	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
97	CMS22MBA149	sindhu m	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
98	CMS22MBA151	Suchithra.H.K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
99	CMS22MBA153	Sughosh Madhukar Hegde	P	P	A	A	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P
100	CMS22MBA154	Suman K N	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
101	CMS22MBA155	SumanthaRao A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
102	CMS22MBA156	TANVEER AHMED R	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
103	CMS22MBA160	Thushar Madhusudhan	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
104	CMS22MBA163	VARUNI C KULKARNI	A	A	P	A	P	A	A	P	P	P	P	A	P	P	A	P	P	P	A	P	P
105	CMS22MBA165	Vikram Mahabaleshwar Gummani	P	P	P	A	P	P	P	A	A	P	P	A	P	P	P	P	P	P	P	A	A
106	CMS22MBA166	Vikram Tiwari	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
107	CMS22MBA168	Vinay H G	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
108	CMS22MBA169	Vinutha k v	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
109	CMS22MBA170	Vivek Bikkannavar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
110	CMS22MBA171	Yugashree IR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
111	CMS22MBA175	Hari Prasad	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
	CMS22MBA179	Syeda hafsa	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P

	Chetana k jain	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
051	Patil Sagar T	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
MBA069	mpath Kumar sangana gouda bira	A	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P
S22MBA072	Abhipsa Rani Dash	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
CMS22MBA074	Adita Mallick	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
118 CMS22MBA081	Akash	P	P	P	P	A	P	P	P	P	P	P	A	P	A	P	P	P
119 CMS22MBA101	BHAVYA SHREE V	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
120 CMS22MBA114	Kothamasu Abhinai	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
121 CMS22MBA152	Nancy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
122 CMS22MBA172	Sudeep savant	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
123 CMS22MBA180	Anirudh Kulkarni	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
	Chaitanya vernekar	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P

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Information Technology Applications

Sl	USN	Student Name	07-08-2023	08-08-2023	09-08-2023	10-08-2023	11-08-2023	12-08-2023	14-08-2023	15-08-2023	16-08-2023	17-08-2023	18-08-2023	21-08-2023	22-08-2023	23-08-2023	24-08-2023	25-09-2023
			2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM
1	CMS22MBA007	B Pooja singh	P	A	P	P	A	A	P	P	P	P	P	A	A	P	P	P
2	CMS22MBA010	Bhavana C	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P
3	CMS22MBA081	BHAVYA SHREE V	P	P	P	P	P	P	A	A	P	P	P	P	P	A	A	P
4	CMS22MBA082	Chirag S M	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P
5	CMS22MBA089	Gojala Reddeppa	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A
6	CMS22MBA101	Kothamasu Abhinai	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	CMS22MBA107	LIKITH GOWDA G	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P
8	CMS22MBA114	Nancy	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P
9	CMS22MBA131	Ramya M	P	P	A	P	P	P	A	P	P	A	P	P	P	A	P	P
10	CMS22MBA144	Shashank M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	CMS22MBA145	Shilpa naik	P	A	P	A	A	P	A	P	A	P	A	A	P	A	P	A
12	CMS22MBA161	Sneha	P	A	P	P	P	A	P	P	P	P	P	P	A	P	P	P
13	CMS22MBA162	Vaishali Patil	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	CMS22MBA178	Suman biradar	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P
15	CMS22MBA008	Bsdhanushrao	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	CMS22MBA017	Chinmay Devadiga	P	A	A	A	P	A	P	A	A	A	A	P	A	P	A	A
17	CMS22MBA019	Dileep s	P	P	P	P	A	P	P	P	A	P	P	A	P	P	P	A
18	CMS22MBA049	Ramya S	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P
19	CMS22MBA102	Krishnan s	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	A
20	CMS22MBA121	Pradeep nilaj	A	P	P	P	A	P	P	A	P	P	A	P	P	P	A	P
21	CMS22MBA134	Rucheetkumar ns	P	P	P	A	P	P	P	P	A	P	A	P	P	P	P	A

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Artificial Intelligence & Data science

SL	USN	Student Name	07-08-2023	08-08-2023	09-08-2023	10-08-2023	11-08-2023	12-08-2023	14-08-2023	15-08-2023	16-08-2023	17-08-2023	18-08-2023	21-08-2023	22-08-2023	23-08-2023	24-08-2023	25-09-2023
			2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM
1	CMS22MBA115	Nandish Baligar	P	P	A	P	A	P	P	P	P	A	P	A	P	P	P	P
2	CMS22MBA053	Sanjana Prakash Gaonkar	A	P	P	A	P	P	A	P	P	P	A	P	P	A	P	P
3	CMS22MBA110	Yogesh M.K	A	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P
4	CMS22MBA119	N.Suhail	P	A	P	P	P	P	P	A	P	P	P	P	P	P	A	P
5	CMS22MBA148	Anastasia	P	P	A	P	P	P	P	P	A	A	P	P	P	P	P	A

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A Practical Guide to Managing People at Work

SL	USN	Student Name	07-08-2023	08-08-2023	09-08-2023	10-08-2023	11-08-2023	12-08-2023	14-08-2023	15-08-2023	16-08-2023	17-08-2023	18-08-2023	21-08-2023	22-08-2023	23-08-2023	24-08-2023	25-09-202
			2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 P
1	CMS22MBA023	Goutami M Gouda	A	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P
2	CMS22MBA024	K B Suman	P	P	P	A	P	P	A	A	P	P	A	P	P	A	A	P
3	CMS22MBA069	Abhipsa Rani Dash	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	CMS22MBA071	Adisiri CB	P	P	A	P	A	P	P	A	P	A	P	A	P	P	A	P
5	CMS22MBA072	Adita Mallick	P	P	P	P	P	A	A	A	P	P	P	P	A	A	A	P
6	CMS22MBA079	ANTARA DAS	P	P	P	P	P	P	A	P	A	P	P	P	P	A	P	A
7	CMS22MBA106	Lekkala Vasavi Reddy	P	P	P	A	P	P	A	P	P	P	A	P	P	A	P	P
8	CMS22MBA004	Akash R Y	A	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P
9	CMS22MBA022	Gangamma Valmiki G	P	A	P	P	P	A	P	P	P	P	P	P	A	P	P	P
10	CMS22MBA029	Madhan kumar r	P	P	P	P	P	P	P	A	A	P	P	P	P	P	A	A
11	CMS22MBA039	Nithin R	P	P	P	A	P	P	A	A	P	P	A	P	P	A	A	P
12	CMS22MBA041	P A SNEHA	P	P	A	P	A	P	A	A	P	A	P	A	P	A	A	P
13	CMS22MBA091	Grubakharan RA	A	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P
14	CMS22MBA097	Pavan kalyan jujaray	P	P	P	A	P	P	P	P	A	P	A	P	P	P	P	A
15	CMS22MBA108	Lingaraju	P	A	P	P	A	P	P	P	P	P	P	A	P	P	P	P
16	CMS22MBA113	Moidin Mahammad Ashbak	P	P	A	P	P	A	A	P	P	P	A	P	P	A	A	P
17	CMS22MBA144	Shashank M	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P
18	CMS22MBA164	Venkatesh M S	P	P	P	P	P	P	A	A	P	P	P	P	P	A	A	P
19	CMS22MBA169	Vinutha k v	P	A	P	P	P	A	P	A	P	P	P	P	A	P	A	P
20	CMS22MBA176	Faizan Mukhtiyar Shaikh	P	P	A	P	P	P	P	P	A	A	P	P	P	P	P	A
21	CMS22MBA177	Gagan v	A	P	P	P	A	P	A	P	P	P	P	A	P	A	P	P
22	CMS22MBA181	Vishrudh V S	P	P	P	A	P	P	P	A	P	P	A	P	P	P	A	P

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Applied Business Analytics Using R and Python

Sl	USN	Student Name	07-08-2023	08-08-2023	09-08-2023	10-08-2023	11-08-2023	12-08-2023	14-08-2023	15-08-2023	16-08-2023	17-08-2023	18-08-2023	21-08-2023	22-08-2023	23-08-2023	24-08-2023	25-09-2023
			2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM
1	CMS22MBA041	P A SNEHA	A	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P
2	CMS22MBA070	Abrar shariff	P	P	P	A	A	P	P	P	P	P	A	A	P	P	P	P
3	CMS22MBA074	Akash	P	A	P	P	P	A	P	P	P	P	P	P	A	P	P	P
4	CMS22MBA177	Gagan v	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	CMS22MBA002	Abhishek Tikotekar	P	P	P	A	P	P	P	P	A	P	A	P	P	P	P	A
6	CMS22MBA003	Ajay M	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P
7	CMS22MBA005	Amshumalini K	P	P	P	A	A	P	P	P	P	P	A	A	P	P	P	P
8	CMS22MBA006	Anita Nagaraj Hegde	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P
9	CMS22MBA007	B. Pooja singh	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P
10	CMS22MBA009	Bharath Kumar VB	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P
11	CMS22MBA010	Bhavana.C	P	P	P	P	A	A	P	P	P	P	P	A	A	P	P	P
12	CMS22MBA012	Bhoomika S	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P
13	CMS22MBA013	Chathurya M N	P	P	P	A	P	A	P	P	P	P	A	P	A	P	P	P
14	CMS22MBA014	Chetana Devaraj Hegde	P	P	P	A	P	P	A	P	P	P	A	P	P	A	P	P
15	CMS22MBA016	Chethan N	P	P	A	P	P	A	P	P	A	A	P	P	A	P	P	A
16	CMS22MBA018	Deepalakshmi K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	CMS22MBA020	E Suhas	P	P	P	P	A	A	P	A	P	P	P	A	A	P	A	P
18	CMS22MBA023	Goutami M Gouda	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P
19	CMS22MBA024	K B Suman	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P
20	CMS22MBA025	karthik P G	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A
21	CMS22MBA026	Keerthana M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	CMS22MBA028	M MOHANMURALI	P	P	A	A	P	A	P	P	P	A	A	P	A	P	P	P
23	CMS22MBA031	MADHUKUMAR C	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P
24	CMS22MBA034	Mohammed Sufiyan A Shaikh	P	P	P	A	P	P	A	P	A	P	A	P	P	A	P	A
25	CMS22MBA035	NAMITA DATTATRAYA GAONKAR	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P
26	CMS22MBA037	Nikhil K S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	CMS22MBA038	Nisarga E S	P	P	A	P	P	A	P	A	P	A	P	P	A	P	A	P
28	CMS22MBA042	P S Naveen	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	CMS22MBA044	Ponnarasi Pooja	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P
30	CMS22MBA047	Pravalika M	P	P	P	P	A	P	A	P	P	P	P	A	P	A	P	P
31	CMS22MBA050	Ravi Kiran B H	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P
32	CMS22MBA052	SANDEEP M	P	P	P	P	P	A	P	A	P	P	P	P	A	P	A	P
33	CMS22MBA054	SARIM KHAN	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P
34	CMS22MBA055	Saurabh kumar	P	P	P	P	A	P	A	P	P	P	P	A	P	A	P	P
35	CMS22MBA056	Sharanabasava M	P	P	P	A	P	P	P	P	A	P	A	P	P	P	P	A
36	CMS22MBA062	Sudeep B M		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
37	CMS22MBA063	SUPRITH U N	A	P	P	A	A	P	P	A	P	P	A	A	P	P	A	P
38	CMS22MBA064	Tejashree M	P	P	P	P	P	A	A	P	P	P	P	P	A	A	P	P
39	CMS22MBA065	V R Prasad	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
40	CMS22MBA066	Vaibhav M K	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
41	CMS22MBA067	Vandita Anant Bhat	A	P	P	A	P	P	P	A	P	P	A	P	P	A	A	P
42	CMS22MBA068	Vinay Gouli	P	P	A	P	P	A	A	P	P	A	P	P	P	A	P	P
43	CMS22MBA075	Akash M	P	P	P	P	P	A	P	P	A	P	P	P	A	P	P	A
44	CMS22MBA076	Akhila A J	P	P	P	P	A	P	P	P	A	P	P	P	P	P	A	P
45	CMS22MBA078	Annie	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P
46	CMS22MBA079	ANTARA DAS	P	P	A	P	P	A	A	P	P	A	P	P	P	P	P	A
47	CMS22MBA082	Chirag S.M	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
48	CMS22MBA083	Damini	P	P	A	A	P	P	P	P	P	A	P	A	A	P	A	P
49	CMS22MBA084	DARSHAN .D M	P	P	P	P	A	A	P	A	P	P	P	A	P	A	P	A
50	CMS22MBA085	Dawoodullabaig	P	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P

	S22MBA087	Durgaa Lakshmi R	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	
	MS22MBA093	Harisha T S	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P		
	CMS22MBA094	Harshita Chauhan	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P		
54	CMS22MBA095	Hemanth R	P	P	P	A	A	A	A	A	P	P	A	A	A	A	A	P	
55	Cms22MBA096	Istarth.S.S.	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	
56	CMS22MBA098	Jhassi Durga Punjabi	P	P	P	P	P	A	A	P	P	P	P	P	A	A	P	P	
57	CMS22MBA099	Karthik N	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	
58	CMS22MBA100	karthik.s	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	
59	CMS22MBA104	Kushalappa MM	P	A	P	P	P	A	A	P	P	A	A	P	A	A	P	P	
60	CMS22MBA105	Leelashankar S	A	P	P	P	A	P	P	P	A	P	P	A	P	P	P	A	
61	CMS22MBA107	LIKITH GOWDA G	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
62	CMS22MBA112	Mohan R	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	
63	CMS22MBA116	Nellore chandana	P	P	P	A	P	A	P	P	P	P	P	P	P	A	P	P	
64	CMS22MBA120	Palem Bhavana	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	
65	CMS22MBA123	Prajna	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
66	CMS22MBA126	M P Poorna Chandran	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	
67	CMS22MBA127	R BHAVANA	P	P	P	P	A	P	P	A	A	P	P	A	P	P	A	A	
68	CMS22MBA129	Rajendra Ittina	P	P	P	A	P	A	P	P	P	P	A	P	A	P	P	P	
69	CMS22MBA131	Ramya M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
70	CMS22MBA132	Rithika K	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	
71	CMS22MBA133	Rohith S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
72	CMS22MBA140	Samarth H R	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
73	CMS22MBA145	Shilpa naik	P	P	P	A	P	P	P	A	P	P	A	P	P	P	A	P	
74	CMS22MBA146	Shreelakshmi	P	P	P	P	P	A	A	P	P	P	P	P	A	A	P	P	
75	CMS22MBA147	SHREYA SUNKAD	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	
76	CMS22MBA149	sindhu.m	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	
77	CMS22MBA150	SOURADIP SARKAR	P	P	P	A	P	P	P	P	A	P	A	P	P	P	P	A	
78	CMS22MBA151	Suchithra.H.K	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	
79	CMS22MBA154	Suman K N	P	P	P	P	P	P	A	P	P	P	P	A	A	P	P	P	
80	CMS22MBA155	SumanthaRao A	P	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	
81	CMS22MBA157	Tejas R	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	
82	CMS22MBA160	Thushar Madhusudhan	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	
83	CMS22MBA161	Sneha	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	
84	CMS22MBA163	VARUNI C KULKARNI	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A	
85	CMS22MBA165	Vikram Mahabaleshwar Gummani	P	P	P	A	P	P	P	P	A	P	A	P	P	P	P	P	
86	CMS22MBA166	Vikram Tiwari	P	P	P	A	P	P	P	P	P	P	A	A	P	P	P	P	
87	CMS22MBA170	Vivek Bikkannavar	P	P	P	A	A	P	P	P	P	P	A	P	A	P	P	P	
88	CMS22MBA178	Suman biradar	P	P	P	A	P	A	P	P	P	P	A	P	P	A	P	P	
89	CMS22MBA179	Syeda hafsa	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	



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			Job Readiness Program in Supply Chain Management															
S#	USN	Student Name	07-08-2023	08-08-2023	09-08-2023	10-08-2023	11-08-2023	12-08-2023	14-08-2023	15-08-2023	16-08-2023	17-08-2023	18-08-2023	21-08-2023	22-08-2023	23-08-2023	24-08-2023	25-09-2023
			2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM
1	CMS22MBA075	Akash M	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	CMS22MBA110	Yogesh M.K	P	P	P	P	A	P	A	P	P	P	P	A	P	A	P	P
3	CMS22MBA126	M P Poorna Chandran	A	P	P	P	P	P	P	A	A	P	P	P	P	P	A	A
4	CMS22MBA132	Rithika K	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P
5	CMS22MBA148	Anastasia	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P
6	CMS22MBA181	Vishrudh V S	P	P	A	P	A	A	P	P	P	P	P	A	A	P	P	P
7	CMS22MBA030	Madhuchandra Durgad	P	P	P	P	P	P	A	A	P	P	P	P	P	A	A	P
8	CMS22MBA048	Raghavendra M Konaraddi	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P
9	CMS22MBA060	Srujana p	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	CMS22MBA077	Anjali Bk	A	A	P	A	P	P	P	P	A	P	A	P	P	P	P	A
11	CMS22MBA086	Deekshith KT	P	P	P	P	A	P	A	A	P	P	P	A	P	A	A	P
12	CMS22MBA090	Gourab Pramanik	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	CMS22MBA092	Hari Prasad S	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
14	CMS22MBA111	Mahadev Ghosh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
15	CMS22MBA115	Nandish Baligar	P	P	P	P	A	P	P	A	P	P	P	A	P	P	A	P
16	CMS22MBA122	Pradum Chetry	P	P	A	P	P	A	P	P	P	A	P	P	A	P	P	P
17	CMS22MBA125	Premnath Reddy D	P	A	P	A	P	P	P	P	P	P	A	P	P	P	P	P
18	CMS22MBA136	Sagar kb	A	P	P	P	A	P	A	P	P	P	P	A	P	P	P	P
19	CMS22MBA139	Sai Varnitha T	P	P	P	A	P	P	A	P	P	P	P	P	A	P	P	P
20	CMS22MBA143	Sharathkumar N Chittawadagi	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P
21	CMS22MBA158	Tejashwini.M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	CMS22MBA159	Thaaneshwar S	P	P	P	P	A	P	P	A	P	P	P	A	P	P	A	P
23	CMS22MBA167	Vinay A S	P	P	P	A	P	P	A	P	A	P	A	P	P	A	P	A

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BANGALORE

SCHOOL OF

			Thinking Differently															
S#	USN	Student Name	07-08-2023	08-08-2023	09-08-2023	10-08-2023	11-08-2023	12-08-2023	14-08-2023	15-08-2023	16-08-2023	17-08-2023	18-08-2023	21-08-2023	22-08-2023	23-08-2023	24-08-2023	25-09-2023
			11 AM - 1 PM	11 AM - 1 PM	11 AM - 1 PM	11 AM - 1 PM	11 AM - 1 PM	11 AM - 1 PM	11 AM - 1 PM	11 AM - 1 PM	11 AM - 1 PM	11 AM - 1 PM	11 AM - 1 PM	11 AM - 1 PM	11 AM - 1 PM	11 AM - 1 PM	11 AM - 1 PM	11 AM - 1 PM
1	CMS22MBA075	Akash M	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	CMS22MBA110	Yogesh M.K	P	P	P	P	A	P	A	P	P	P	P	A	P	A	P	P
3	CMS22MBA126	M P Poorna Chandran	P	P	P	P	P	P	P	A	A	P	P	P	P	P	A	A
4	CMS22MBA132	Rithika K	A	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P
5	CMS22MBA148	Anastasia	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P
6	CMS22MBA181	Vishrudh V S	P	P	P	A	P	P	P	P	P	P	P	A	A	P	P	P
7	CMS22MBA030	Madhuchandra Durgad	P	P	A	P	A	A	P	P	P	A	P	A	P	A	A	P
8	CMS22MBA048	Raghavendra M Konaraddi	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P
9	CMS22MBA060	Srujana p	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P
10	CMS22MBA077	Anjali Bk	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

DAYANANDA SAGAR UNIVERSITY
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	MBA061	Sudarshan B R	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
	22MBA070	Abrar shariff	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
	CMS22MBA071	Adisiri CB	P	P	P	P	A	P	A	P	P	P	P	A	P	A	P	P	P
50	CMS22MBA073	Ajay.r	A	A	A	P	P	A	P	A	P	P	A	P	A	P	A	P	P
51	CMS22MBA080	Bannappa muggannavar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
52	CMS22MBA088	Dwijesh Amrutkar	P	P	P	A	A	P	P	P	A	P	A	A	P	P	P	P	A
53	CMS22MBA089	Gojjala Reddeppa	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
54	CMS22MBA103	Kruthik Kashyap	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
55	CMS22MBA106	Lekkala Vasavi Reddy	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P
56	CMS22MBA109	M Meghana Raj	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
57	CMS22MBA117	Nikhil A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
58	CMS22MBA124	Praveen GS	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
59	CMS22MBA128	Raghu vamshi R	P	A	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P
60	CMS22MBA130	Rakesh s	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
61	CMS22MBA135	Sachin .N.B	A	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P
62	CMS22MBA137	Sahitya S Patil	P	P	P	P	P	A	P	A	A	P	P	P	A	P	A	A	A
63	CMS22MBA138	Sai Mourya R	P	P	A	P	A	P	P	P	P	A	P	A	P	P	P	P	P
64	CMS22MBA141	Satwik Goudar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
65	CMS22MBA142	Sharath P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P
66	CMS22MBA153	Sughosh Madhukar Hegde	P	A	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P
67	CMS22MBA156	TANVEER AHMED R	A	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P
68	CMS22MBA162	Vaishali Patil	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
69	CMS22MBA168	Vinay H G	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
70	CMS22MBA171	Yugashree IR	P	P	P	P	A	P	P	P	P	A	P	P	A	P	P	P	A
71	CMS22MBA175	Hari Prasad	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

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SCHOOL OF
COMMERCE & MANAGEMENT STUDIES

CIRCULAR

Date: 04-08-2023

Dear Students,

Value Added Program (VAP) courses for II Semester commences from 7th August, 2023. Students are informed to attend their selected courses to get eligibility for the certificates. The below are the VAP courses offered:

S#	VAP Course	
1	A Practical Guide to Managing People at Work	Prof. Anant Pophali
2	Applied Business Analytics Using R and Python	Dr. Vasudevan
3	Artificial Intelligence & Data science	Dr. Chinmoy Kumar
4	Essentials of Contemporary Marketing in the digital era	Dr. Suresh R
5	Financial Markets and Investment Analysis	Prof. Jayashree N
6	Information Technology Applications	Prof. Mohan S
7	Job Readiness Program in Supply Chain Management	Prof. Purnendu Maji
8	Thinking Differently	Prof. Jayashree N

Attendance is mandatory for the VAP courses.

Prof. Capt. A. Nagaraj Subbarao, PhD
Dean – SCMS

BANGALORE SCHOOL OF COMMERCE & MANAGEMENT STUDIES

Sec A	Sec B	Sec C

SCHOOL OF
COMMERCE & MANAGEMENT STUDIES

Value Added Program (VAP): Schedule

Specialization	IT	HRM	AI	BA	Marketing	Finance	SCM	Thinking Differently
Date/Time	02:00 - 04:00	02:00 - 04:00	02:00 - 04:00	02:00 - 04:00	02:00 - 04:00	02:00 - 04:00	02:00 - 04:00	11:00 - 01:00
07-08-2023	VAP	VAP	VAP	VAP	VAP	VAP	VAP	VAP
08-08-2023	VAP	VAP	VAP	VAP	VAP	VAP	VAP	VAP
09-08-2023	VAP	VAP	VAP	VAP	VAP	VAP	VAP	VAP
10-08-2023	VAP	VAP	VAP	VAP	VAP	VAP	VAP	VAP
11-08-2023	VAP	VAP	VAP	VAP	VAP	VAP	VAP	VAP
12-08-2023	VAP	VAP	VAP	VAP	VAP	VAP	VAP	VAP
14-08-2023	VAP	VAP	VAP	VAP	VAP	VAP	VAP	VAP
16-08-2023	VAP	VAP	VAP	VAP	VAP	VAP	VAP	VAP
17-08-2023	VAP	VAP	VAP	VAP	VAP	VAP	VAP	VAP
18-08-2023	VAP	VAP	VAP	VAP	VAP	VAP	VAP	VAP
21-08-2023	VAP	VAP	VAP	VAP	VAP	VAP	VAP	VAP
22-08-2023	VAP	VAP	VAP	VAP	VAP	VAP	VAP	VAP
23-08-2023	VAP	VAP	VAP	VAP	VAP	VAP	VAP	VAP
24-08-2023	VAP	VAP	VAP	VAP	VAP	VAP	VAP	VAP
25-09-2023	VAP	VAP	VAP	VAP	VAP	VAP	VAP	VAP

IT: Information Technology Applications
HRM: A Practical Guide to Managing People at Work
AI: Artificial Intelligence & Data science
BA: Applied Business Analytics Using R and Python
Marketing: Essentials of Contemporary Marketing in the digital era
Finance: Financial Markets and Investment Analysis
SCM: Job Readiness Program in Supply Chain Management
Thinking Differently

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF COMMERCE & MANAGEMENT STUDIES
BANGALORE

SEMESTER/YEAR : II / I YEAR

COURSE CODE : Value Added Program

TITLE OF THE COURSE: A Practical Guide to Managing People at Work

Background

Finding and hiring the right people is often cited as the number one concern of businesses today. It seems everybody is competing for the best and brightest workers. A critical component of the ***People Manager Value Proposition*** is to hire talented people who enable the organization to achieve its strategic goals. Once you have hired good employees, the next step that successful people managers take is to develop the full potential of their employees. Performance management is a process that helps managers achieves the goal of getting the best from their employees.

A key role for a people manager is to hire great people, place them, pay them a fair wage, evaluate their contribution and retain them. This value-added course looks at such people management parameters in alignment with larger HR issues that organizations face and is meant to be a pre-cursor to more advanced HR courses. The aim of this course is to give a practical guide to managing people at work. In the course a student will engage with some HR theories and then see how they translate into every day working life.

At the end of this course, a student will be better equipped to choose a suitable employee, to motivate and appraise a team, to manage compensation and to lead and make decision on a day-to-day basis with respect to the HR function.

Course Objectives

1. To learn the theory and practice of Manpower Staffing.
2. To understand the role of performance appraisal and management
3. To learn the science of compensation management

Course Outcomes

On completion of this course the student should be able to:

1. Create a usable job description
2. Create a list of competencies required for a job role
3. Create a credible assessment centre and understand the interview process
4. Manage a job evaluation process and create a compensation process with a logical pay

band

5. Appraise an employee using a standard appraisal method and create a Balance Score Card to bring people, learning, process and culture under one integrated approach with an HRIS.

Syllabus/Course Outline:

Unit 1: Overview of Employee Hiring (12 Hours)

a. Staffing Strategies'
b. Business Implications of Staffing Strategies'
c. Job Analysis – Creation of a Job Summary & Competency Modelling
d. Forecasting & Planning
e. Sourcing
f. Recruiting

Unit 2: Strategic HR in a Global Context (6 Hours)

a. Hiring & Process – Balanced Scorecard, the HRIS
b. Internal & External Candidates: Hiring Process, Induction & Placement: Theprocess and outcomes

Unit 3: Performance Management Process, Role of Self-assessment and self-development

Goals in Performance management, Key performance Indicators, Key result area, Methods of performance appraisal in current scenario. Human errors in performance management. **(10 Hours)**

Unit 4: Pay structures

Pay band, pay scale and pay grade; Factors of Individual's pay models; theories of compensation packages, components of salary (cost to company), Breakup of salary, Provident fund, Gratuity fund, ITR Form-16, Types of leaves in organisation. **(4 Hours)**

Unit 5: Assignments and practical components

Prepare the Breakup of salary of Public sector and private Sector. **(4 Hours)**

Pedagogy

Case Studies, Presentations, Simulations, Field projects, Assignments

Case Analysis

1. **Values-Based Approach to Candidate Selection: One Hiring Manager's Approach:Jane Dutton, Lindsay Reed: University of Michigan**

This case explores how a hiring manager at LinkedIn uses a selection interview to ensure a new employee fits the organization's values and culture. This selection interview provides a glimpse into how this manager puts the organization's values and culture into practice while recruiting a new employee. The case provides students with background information about LinkedIn's growth and success, its culture, and the value CEO Jeff Weiner's places on compassion. After reading and discussing this case, students will be able to: 1.) See how selection practices impact organizational culture. 2.) Describe how future employees can use the selection process to understand the organizational culture. 3.) Understand how selection is an effective tool to both communicate an organization's culture and to maintain that culture by the people who are hired. 4.) Appreciate how leaders' values (in this case, valuing compassion) trickle down to affect the selection of employees.

2. **Equity on Demand: The Netflix Approach to Compensation: David F. Larcker, AllanMcCall, Brian Tayan: Stanford Graduate School of Business**

Netflix was among a small group of Silicon Valley companies to emerge from the technology bubble of the late 1990s a clear winner in terms of growth, market share, and profitability. That Netflix was able not only to prevail over this competition but also to thrive was largely attributable to the culture of freedom and responsibility inculcated by founder Reed Hastings. To foster this culture, the company adopted a series of unique employment practices that were meant to attract, retain, and motivate the type of employee that Netflix valued. Among these practices was a compensation system with several unconventional features. Whereas most companies provided compensation packages with a predetermined mix of cash and equity-based awards, Netflix turned the model on its head and allowed employees to request their own mix.

SEMESTER/YEAR : II / I YEAR

COURSE CODE : Value Added Program

TITLE OF THE COURSE: Applied Business Analytics Using R and Python

Background

R and Python are two popular open source tools available for performing data exploration, data cleaning, perform descriptive and predictive analytics and perform data visualization.

Through this course students will come to grips with application of different aspects of data analytics using R and Python. This course will prepare the students to handle entry level jobs in business analytics profession.

Course Objectives

1. To learn data visualization, data wrangling and data import using R
2. To learn predictive analytics using R
3. To learn exploratory data analysis using Python

Course Outcomes

On completion of this course the student should be able to:

1. Learn data structures and their application in R and Python
2. Perform data visualization using R and Python
3. Perform data wrangling using R and Python
4. Perform data import and tidying in R and Python
5. Apply predictive analytics using R

Syllabus/Course Outline:

Unit 1: Getting Started with Data in R (4 Hours)

- R and R Studio
- Coding in R
- R Packages
- Exploring Dataset

Unit 2: Data Visualization, Data Wrangling, Data Import and Data Tidying in R (10 Hours)

- Data Visualization
    - Grammar of Graphics

    - Scatterplots
    - Linegraphs
    - Histograms
    - Facets
    - Boxplots
    - Barplots
- Data Wrangling
    - Pipe Operator
    - Filter Rows
    - Summarize Variables
    - group by rows
    - mutate existing variables
    - arrange and sort rows
    - join data frames
- Data Importing and Tidy Data
    - Importing Data
    - Tidy Data
    - Case Study

Unit 3: Predictive Analytics Using Classification and Regression in R (10 Hours)

- Classification Algorithms
    - KNN Algorithm
    - Diagnosing Breast Cancer Using KNN
    - Decision Tree Algorithm
    - Identifying Risky Bank Loans using Decision Trees
- Regression
    - Simple Linear Regression
    - Multiple Linear Regression
    - Predicting Medical Expenses Using Linear Regression

Unit 4: Introduction to Python (4 Hours)

- Python Environment: Anaconda
- Jupyter Notebook
- Numpy
- Pandas

- Data Structures

Unit 5: Exploratory Data Analysis Using Python (8 Hours)

- Handling Missing Data
- Data Wrangling
- Processing CSV Data
- Data Visualization: Boxplots, Heat Maps, Scatter Plots, Bubble Charts
- Fortune 500 companies analysis, Loan Data Analysis

Pedagogy

Lab, Mini Projects, Assignments

Mini Projects

- Breast cancer detection using KNN
- Identifying Risky Bank Loans using Decision Tree
- Predicting Medical Expenses using Linear Regression
- Fortune 500 companies profitability over time analysis
- Loan Data Analysis

Online Resources

https://moderndive.netlify.app/1-getting-started.html

MOOC

https://www.coursera.org/learn/python-data-analysis/home/info

Reference Books

- Machine Learning with R, Brett Lantz, PACKT Publishing
- Python for Data Analysis, Wes McKinney, O'REILLY

Tools

- **R 4.0.5** https://cran.r-project.org/bin/windows/base/
- **R Studio** https://www.rstudio.com/products/rstudio/download/#download
- **Anaconda** https://www.anaconda.com/products/individual#Downloads

SEMESTER/YEAR : II / I YEAR

COURSE CODE : Value Added Program

TITLE OF THE COURSE: Artificial Intelligence & Data science

Background

AI has the potential to double annual economic growth rates by 2035. To avoid missing out on this opportunity, policy makers and business leaders must prepare for, and work toward, a future with artificial intelligence. Industries will require people who can develop algorithms, have a business understanding to identify problems that can be addressed by AI, and the ethical issues that may arise out of algorithm driven solutions.

Data, Data gathering, Data organisation to draw insights to make actionable sense and then follow through to the end is the reason behind data science. Data and the science that creates business insights is the joint responsibility of business executives as well as IT teams or Data Scientists and Data Engineers. Business executives need to state requirements for data scientists to organize the plumbing required.

Course Objectives

1. To enable students to understand the role of data from multiple perspective in decision making
2. To enable students to understand the importance of data for executive action to join hands with IT Teams to implement data streams from sources, create data structures to store data and be able to harness insights from such stores.
3. Use Analytics and present insights with reasoning.
4. Impart broader understanding about the impact AI can have on business. should enable a student to distinguish between the circumstances where AI can make a difference and circumstances where it will not bring any significant change.
5. Understand Artificial Intelligence technology hype cycle, have a business understanding to identify problems that can be addressed by AI, and the ethical issues that may arise out of algorithm driven solutions.
6. Learn Adoption and policy on AI by governments and top Tech companies

Course Outcomes

On completion of this course the student should be able to:

1. Data gathering and structuring and storing to be able to derive benefits from Data bases, data warehouse/Data Marts, Data Mining, Business Intelligence, OLAP.
2. Use Analytics and present insights with reasoning.
3. Learn Fundamentals of AI, ML, DL concepts along with Robots & Automation
4. Understand concepts of AI governance, ethics and security
5. Worldwide AI adoption and implementation
6. Deep dive into how AI has transformed specific industry segments

Syllabus/Course Outline:

Unit 1: Introduction to Data (7 Hours).

Introduction to features of data, Real and synthetic data, data gathering, data sources, Schema, organizing data, data bases, Relational NoSQL

Unit 2: Data Organisation & Data to Insights (8 hours).

Data Structures, Data Bases, Data Warehouses and Data Marts and ETL, Organisation of data for Data Mining, BI and OLAP, Data Presentation

Business statistics: Descriptive, Predictive and Prescriptive Analytics. Analytics models, graphical, Algebraic and Spreadsheet models. Optimization techniques.

Unit 3: Introduction to Artificial Intelligence- NLP, ML, DL and RPA (8 Hours)

History of AI, AI for business, Fundamentals of AI, Programming language, constitutes of AI; NLP, NLU & NLG; Simple Economics of Machine Intelligence, Specific Machine Learning Methods: A Deep Dive, DL, Robots and Automation

Unit 4: AI Governance, Security and Ethics for business (7 Hours)

AI Governance, Risks with AI, Challenges to Adoption, Security considerations

AI-Driven Business Transformation, Machine Learning

Unit 5: Global impact, Geopolitical and economic importance (6 Hours)

AI & Geopolitical scenario, Economic impact due to AI

Case studies in different streams of management: Marketing, HR, Finance, Service.

Pedagogy

Case Studies, Presentations, Simulations, Field projects, Assignments.

Mini Projects

- Application of AI in manufacturing
- Perspective on future of Healthcare & AI

Case Study for Discussion

GROW: Using Artificial Intelligence to Screen Human Intelligence: Ethan S. Bernstein, Paul D. McKinnon, Paul Yarabe: Harvard Business School

Over 10% of all 2017 university graduates in Japan used GROW, an artificial intelligence platform and mobile app developed by Tokyo-based people analytics start-up IGS, to recruit for a job. This case puts participants in the shoes of IGS founder and CEO Masahiro Fukuhara, a first-time entrepreneur, as he considers the varied ways the "big data" he is collecting is being used--and whether some uses promised more meaningful (or less potentially misleading) impact than others.

By illustrating, in great detail (and with the data), how three companies are using "big data" and artificial intelligence to recruit, screen, hire, place, and develop talent for their organizations, students get a first-hand appreciation for the challenges (and opportunities) of being a hiring manager in the age of "people analytics." This case will help students think through how data and artificial intelligence can either help managers reduce bias in a hiring process--or, conversely, fall into traps that introduce even more bias over time. By the end of this session, students should have not only a much clearer picture of what it means to use "big data" to hire talent, but also an appreciation for the assets and liabilities involved in doing so.

Text Books:

1. Data Science, Richard Hurley, MIT Press (Essential Knowledge Series)
2. Data Science for Business, Thomas Provost & Tom Fawcett

Reference Books

- Master Data Management & Data Governance, Alex Berson & Larry Dubov – McGraw Hill.
- Introduction to Data Mining with Case studies, GK Gupta - PHI.
- Data Warehousing in the Real World, Sam Anahory & Dennis Murray – Pearson.
- Business Analytics, James Evans – Pearson.
- Wayne Winston, Microsoft Excel Data Analysis and Business Modeling, 5th Edition, Microsoft Press.
- Davenport Thomas H., Competing on Analytics: Updated, with a New Introduction, Harvard Business School Press.

SEMESTER/YEAR : II / I YEAR

COURSE CODE : Value Added Program

TITLE OF THE COURSE: Essentials of Contemporary Marketing in the digital era

Background

In the current order of the world, business firms have started redefining their goals in line with the paradigm shift of new technologies and advent of digitization. It has become highly inevitable for such business firms to integrate their goals and their activities to remain competitive and successful, and as a result it has become a compelling imperative to redefine their marketing processes as well. Contemporary marketing has evolved for for-profit business organizations. Contemporary marketing holds the secret to organizational success in 2021.Marketing now does not end in merely determining the needs and wants of customers, it goes a step further to answer modern business concerns. Contemporary marketing is a part of this holistic solution.

This value added program hones students with required skills which are required to manage day to day marketing activities in terms of both Digital and Offline Marketing. It provides students with the knowledge about business advantages of the digital marketing and its importance for marketing success; to develop a digital marketing plan; to make SWOT analysis; to define a target group; to get introduced to various digital channels, their advantages and ways of integration; how to integrate different digital media and create marketing content; how to optimize a Web site and SEO optimization; how to create Google AdWords campaigns; social media planning; to get basic knowledge of Google Analytics for measuring effects of digital marketing and getting insight of future trends that will affect the future development of the digital marketing.

Course Objectives

1. To learn the theory and practice of Contemporary Marketing management in the digital era.
2. To understand the advantages and disadvantages of multiple marketing buzzwords.
3. To develop lean strategies by keeping end user a priority provision.
4. To enhance sustainable customer relationship management skills.

Course Outcomes

On completion of this course the student should be able to:

1. Create a usable marketing plan.
2. Create a list of basics required for managing sales.

3. Create a credible digital marketing process.
4. Create a digital marketing plan to do SWOT analysis and defining a target group to track and measure the reach of a product/service.
5. Classify digital channels, their advantages and limitations, to perceiving ways of their integration taking into consideration the available budget to promote product/service in a personalized manner

Syllabus/Course Outline:

Unit 1: Overview of Contemporary Marketing (6 Hours)

Concept, nature, scope and importance of contemporary marketing; Marketing concept and it's evolution Hyper-local marketing, Rural urban marketing, Internal and External Marketing, Conversational marketing, Video Marketing, Influencer Marketing, Omni-channel Marketing, Privacy Marketing, Green marketing.

Unit 2: Contemporary marketing in services sector (6 Hours)

Contemporary perspectives if services (basics+ KYC) Business to consumer services, B2B services, Services capes, blueprinting for design and diagnosis ,customer/employees moderating and mediating factors. Managing Services Quality.

Unit 3: E-Commerce marketing (4 hours)

Basics of Ecommerce, Introduction to top E -commerce companies, E-Commerce marketing strategies , Product selling in E-Commerce, CRM in E-commerce

Unit 4 : Digital marketing - Key concepts + SEO + content marketing (15 Hours)

Digital marketing concepts

Introduction to marketing in digital environment, Common e-commerce business models, Pure play, Hybrid and multi-channel options, media options online, fulfilment options and strategies, introduction to payment gateways, PayPal etc

Concepts around PPC, CPC, CPA, Viral marketing, Affiliate marketing, Re-Marketing etc.

SEO/SEM

Email campaign creation and management, Google ad word, search and display engines, pricing models online, introduction to page rankings, Google ad words analytics, search engine

optimization, process and methodology, long tail in SEO, link building, key word analysis, process and optimization, search engine marketing, paid versus natural search, SEM landscape, landing pages and their importance in conversion analysis, search methodology.

Content Marketing

Content marketing is a strategic marketing approach focused on creating and distributing valuable, relevant, and consistent content to attract and retain a clearly defined audience – and, ultimately, to drive profitable customer action purely on the digital domain. Digital branding strategy for marketers Branding definitions , Brand ethos , difference between branding and marketing , digital mediaimpact on branding , create your own brand google website.

Unit 5: Case Study Analysis, Group Assignments , Individual Presentations and Creativities(5 hours)

1. **Tata's case study**
   A marketing case study for the 21st century. This will help Students understand more about TATA as a brand and about ethical marketing effectively,
   http://www.tata.com/aboutus/articlesinside/Ratan-N-Tata
2. Facebook ads case study
   https://apollodigital.io/blog/digital-marketing-case-studies
3. Website Content creation
4. Varieties of content writing, - developing an online brand with a website - This will help the student to learn developing a blogging site or branding. It will also help them understand the depth of individual concepts taught throughout the course.

Pedagogy

Case Studies, Presentations, Simulations, Field projects, Assignments

References –

1. Helping you succeed through online marketing. – Neil Patel Blog
2. Sem Rush SEO Blog -SEMRush
3. Journal of business research. Link
4. Philip Kotler Blog – Link
5. Hubspot- Link
6. Journal of marketing.Link

SEMESTER/YEAR : II / I YEAR

COURSE CODE : Value added Program

TITLE OF THE COURSE : Financial Markets and Investment Analysis

Background

The course will provide an understanding of conceptual, strategic and operational issues in the management of financial markets and the need and relevance of investments. The topics covered in the course introduces the students to the basic structure of Indian Financial System. One shall be able to understand the basic structure of commercial banking. Investments being very important for ones financial well being, plays a major role. The course also introduces one to the basics of investments and also makes one knowledgeable regarding the fundamentals before making investment decisions.

The group assignments and presentations enables one to understand the theoretical concepts well.

Course Objectives

1. To provide a fundamental understanding of commercial banks, their management and their operations
2. Explain the significance of fundamental and technical Analysis
3. Create and evaluate a portfolio in terms of risk and return

Course Outcomes

Upon successful completion of this course, the student will have reliably demonstrated ability to:

1. Understand the broad functioning of a bank both at the macro and at micro levels
2. Recognize the framework of securities market and its functioning
3. Develop a conceptual and analytical understanding of the framework of evaluating a bond and equity

Syllabus/Course Outline:

Unit 1: Introduction to Financial Institutions: (7 hrs)

Classification of financial institutions: banks and non-banks (NBFCs), difference between commercial banks and cooperative banks- private and public sector, classification as scheduled and non-scheduled, RRBs, cooperative banks, local area banks non-banking institutions- types of NBFCs--insurance, brokerages, merchant bankers—RBI- functions as currency authority, banker

to the government, bankers' bank, other promotional and regulatory functions, nationalization, evolution of commercial bank: growth and progress, commercial banks and Indian economy

Unit 2: Financial Markets: (7 hrs)

Introduction of Financial Markets; Indian Financial System, Trends in commercial banking, digital banking, Case studies of recent bank failures

Unit 3: Financial Investments (6 hrs)

Investments, Need for investments, types of investments, The investment process, investment categories, various investment avenues, objectives and constraints, capital market – primary & secondary, equity & debt, IPO, options, futures, swaps

Unit 4: Decision Criteria for Investments (8 hrs)

Fundamental Analysis-EIC Framework

Technical Analysis-

Fundamental & Technical Analysis of Top 10 companies

Unit 5: Group Assignments and Presentations (8 hours)

1. Risk -Return Profiling of top five companies of selected sectors (Banking, FMCG, Auto, Pharma, IT etc)
2. Comparative Analysis of mutual funds

Analysis of growth trends (considering size, sector, and business lending type) across selected commercial banks (public sector and private sector; 2 of each)

Pedagogy

Case Studies, Presentations, Simulations, Field projects, Assignments

Suggested Books

Investment Analysis and Portfolio Management by Prasanna Chandra, Mc Graw Hill

SEMESTER/YEAR : II / I YEAR

COURSE CODE : Value Added Program

TITLE OF THE COURSE : Information Technology Applications

Background

Information, due to its nature, has numerous capabilities. Through using these capabilities, information systems can add to the value of information. For managers a deep knowledge of information technology systems and solutions in terms of the tools available, technology trends, the key features, how to use these tools effectively, how to automate the business processes using these tools, how to use the right tools for the organization, etc. are extremely important to be effective in their role.

Many large and mid-sized organizations are focussing on accomplishing this goal through the installation of various functional business systems. These broad and complex applications now form the transaction backbone of many organizations in the private, Governmental and non-Governmental sectors. With that background, this course provides a technical overview of information systems such as HR, Finance, Service and Ticket Management Systems and their impact on organizations

This course intends to enhance the skill of managers/entrepreneurs in this regard.

Course Objectives

1. To provide an exposure to the concepts and technologies of Information technology applications in a digital economy
2. To examine the importance of the applications of ERP, CRM and e-tailing applications
3. To understand the key functionalities and features of services and ticket management system

Course Outcomes

The course should help future managers by developing competencies to:

1. Understand the tools and applications of ERP, e-CRM, e-ticketing
2. Understand the different solutions available and select and use the right solution
3. Perform different roles such as Business analysts, Project Manager, IT Manager, Business Consultants

Syllabus/Course Outline:

Unit 1: Overview of ERP (8 Hours)

Introduction to ERP, Implementation of ERP, Post Implement on, ERP Modules, ERP Vendors, Advanced ERP Software Solutions

Unit 2: e-CRM (6 Hours)

Introduction to CRM, e- technologies, Architecture of e-CRM, Challenges involved in implementing e-CRM, e-CRM Solutions for B2B and B2C Market

Unit 3: e-Tailing (6 Hours)

Introduction, Technology architecture of e-tailing, Benefits and challenges of e-tailing, Future of e-tailing, Case Study of Amazon

Unit 4: IT SERVICES (6 Hours)

Helpdesk Management System, Ticket Management System, IT in Hospitality Sector, Retail Sector

Unit 5: Finance and Human Resource Information System (6 Hours)

Payment Methods, Emerging Payment Systems Institutional High value Payments, Block chain, Use of Public Key Infrastructure. Human Resource Information System lifecycle, Tools in HRIS development, Introduction to HRIS packages

Case Study Discussion: (4 Hours)

Case study discussions and presentation

Suggested Coursera Course:

Coursera Course: Technical Support Fundamentals form Google

https://www.coursera.org/learn/technical-support-fundamentals?specialization=google-it-support#about

Pedagogy

Case Studies, Presentations, Simulations, Field projects, Assignments

SEMESTER/YEAR : II / I YEAR

COURSE CODE : Value Added Program

TITLE OF THE COURSE : Job Readiness Program in Supply Chain Management

Background

Procurement of ready material plays a great role in the efficient functioning of a supply chain for any company. The course covers the procedural aspects of procurement at a tactical level as wellas strategic sourcing, vendor selection, vendor performance and review are critical for acompany to make/alter sourcing decisions and the course will cover this aspect as well.

Inventory and Warehouse management of ready material plays a great role in the efficient functioning of a supply chain for any company. Managing inventory effectively is key to the success of a manufacturing or sales/distribution organization. This course covers the commonly used methodology for optimizing inventory levels.

In addition, this course is intended to help students understand standard industry practices used in Demand Management and traditional methods of forecasting. Qualitative aspects of forecasting such as impact of macro factors are covered.
As in all supply chain systems today, use of software and tools is essential. The exercises in thiscourse will be rooted in software tools used in the industry.

Course Objectives

1. Learn the basics of demand management processes in large organizations & hands on useof demand forecasting software tools.
2. Understand the importance of inventory management including cost, service level.
3. Understand the objectives of a purchase department in terms of Total Cost of Ownership,and maintaining optimum inventory levels.
4. Understand key terminology and concepts in inventory management.

Course Outcomes

On completion of this course the student should be able to:

1. Be ready to perform a job role as a Demand Planner in an organization.
2. Be able to analyze data using standard tools and techniques to build forecastingmodels.
3. Calculate critical parameters related to inventory management and use ABCclassification to optimize inventory levels.
4. Be ready to perform a job role as a Procurement Executive in an organization.

Syllabus/Course Outline:

UNIT I: Enterprise demand forecasting, planning and demand management process (8 hours)

Overview of demand management and forecasting in an enterprise using a GMDH Forecasting software. Annual hierarchical planning process for the entire geography and its hierarchy, entire product family and its hierarchy. Manual override of the mathematical forecasts, rolling forecast revision and correction process. Common time series forecasting methods using moving average, regression. Understanding seasonality, trends and exponential smoothing, Measurement of error, Understanding forecast errors and different methods of calculating forecast error.

UNIT II: Traditional Demand forecasting methods (7 hours)

Common time series forecasting methods using moving average, regression. Understandingseasonality, trends and exponential smoothing. The popular Holt-Winter method of forecasting. Measurement of error, Understanding forecast errors and different methods of calculatingforecast error.

UNIT III: Key operations in the purchase department (8 hours)

- The importance of lowering the total cost of ownership and managing parts availability atminimum cost.
- Managing delivery commitments to production divisions within the enterprise.

UNIT IV: Inventory Control and Warehouse Management (7 hours)

- Importance of inventory management and challenges involved in it including conflictinggoals.
- Cost of carrying inventory, shelf life challenges and storage costs.
- Uncertainties in material supply from vendors and uncertainties of demand.
- Important inventory management methods and policies: Cycle & safety stock, EOQ, Lot Size,Re-order point, etc.
- ABC Classification.

Case Studies **(6Hours)**

Case Study 1

Scientific Glass, Inc.: Inventory Management

In January 2010, Ava Beane, the newly hired Manager of Inventory Planning for Scientific Glass (SG), contemplated the critical nature of her first big project with the company. During her interviews for the job, several executives had told her very directly that the company's need for a more effective way to manage its inventory was urgent. At the time, Beane had felt confident she could address the problem quickly and meaningfully. Now on the job for several weeks, Beane was gaining a fuller appreciation of the difficulties of the task.

Until recently, SG had treated inventory management as largely an afterthought. Asa fast- growing organization with annual sales of $86 million, the company historically emphasized the twin goals of continued sales growth and high customer satisfaction. During the past year, however, executives at the company had identified a disturbing trend: Inventory balances were increasing substantially, which tied up extra capital the company needed to fund its growing operations. In recent years the company exceeded its target debt to total capital ratio of 40%. Ifthis trend persisted, it could jeopardize SG's ability to fund a planned expansion intonew international markets.

Beane was given four weeks to come up with recommendations on how to make the inventory plan support the company's sales and customer-service objectives without requiring a large capital investment.

CASE Study 2

Raymond: Design of Warehouse Operations

"*Raymond being a leader in the industry would settle for nothing but the best practices being followed. Be it either in product innovations, manufacturing supply chain, or customer satisfaction. It was in this context that we were lagging behind in our order fulfilments to our customers. Our internal study showed that our warehouse operations were not robust enough and not aligned to the best practices being followed.*" Vinod Padmanabhan, Director – Works, Chhindwara plant.

On 16 July 2014 at 9 a.m., the meeting commenced at the Chhindwara (Nagpur, India) textile plant of Raymond Limited. Avnish Naik, Deputy General Manager (Warehouse), was in a discussion with warehouse management system consultants. They were contemplating how to improve warehouse operations and increase the storage capacity at the plant. In the recent past, Raymond had witnessed a series of order cancellations because of long delays in order fulfillment (the under picking rates were more than 20%). The productivity of picking and inbound processes was declining, and the manpower requirement was at an all-time high with overtime of approximately 5,000 man days per year. Due to lack of substantial organisation of SKUs (stock keeping units) within bins, it took up to 12 days to complete the annual stock audit procedure. The company was at a risk of losing valuable clients if the warehouse management issues were not immediately rectified. Moreover, sales were projected to grow by 40% in the next one year necessitating an expansion of storage space. However, Raymond did not have sufficient funds to acquire land and build new racks at the Chhindwara plant. Naik and his team had to find innovative ways to optimise the storage bin capacity within the existing racking structure.

Pedagogy

Key concepts, Case Studies, Hands-on Lab.

Software tools used

- zoho inventory management: https://www.zoho.com/in/inventory
- Precoro Software: https://www.precoro.com/
- GMDH streamline: https://gmdhsoftware.com/

Reference Books

- **Supply Chain Management**, 7th edition, Pearson Publications, January 2018, by SunilChopra, Peter Meindl, Dharam Vir Kalra.
- **Supply Chain Management: Text and Cases**, 2nd edition, Pearson Education India, May2016, by Janat Shah.

SEMESTER/YEAR : II / I YEAR

COURSE CODE : Value Added Program

TITLE OF THE COURSE : Digital Transformation

Background

Digital transformation is defined as, "using digital technologies to remake a process to become more efficient or effective. The idea is to use technology not just to replicate an existing service in a digital form, but to use technology to transform that service into something significantly better."

As today's organizations embrace digital tools to create new processes or modify existing ones, they'll also inherently impact other important aspects, like workplace culture and customer experience. With digital transformation, companies are re-evaluating everything they do, from internal systems to online and in-person customer interactions.

It's no secret technology has been a driving force in business transformation for years, but new technologies are now launching faster than ever. In fact, Global spending on the digital transformation of business practices, products, and organizations is forecast to reach $2.8 trillion in 2025, more than double the amount allocated in 2020.

This course intends to enhance the skill of managers/entrepreneurs in this regard.

Course Objectives

1. To provide an exposure to the concepts of Digital Transformation.
2. To examine the importance of the major technologies impacting digital transformation.
3. To provide overview on how digital transformation is important in industry

Course Outcomes

The course should help future managers by developing competencies to:

1. Understand the need and potential impact of Digital Transformation and learn to adapt to this fast-changing environment.
2. Explore 4 major emerging technologies (Cloud Computing, Internet of Things (IOT), Artificial Intelligence (AI) and Big Data) impacting Digital Transformation
3. Develop understanding of how digital integrates it into the Business. Understanding on how Digital transformation will help various industries

Syllabus/Course Outline:

Unit 1: Overview of Digital Transformation **2 Hours**

Introduction to Digital Transformation. Explain how Digital transformation is the process of using digital technologies to create new or modify existing business processes, culture, and customer experiences to meet changing business and market requirements.

Unit 2: Importance of the major technologies impacting digital transformation 4 Hours

Introduction to following technologies:

1. Cloud Computing,
2. Internet of Things (IOT),
3. Artificial Intelligence (AI) and
4. Big Data

Unit 3: Understanding on how Digital transformation will help various industries 6 Hours

Understand the digital Transformation impact on below industries:

1. Digital Transformation for Banking, financial services and insurance (BFSI)
2. Digital Transformation for Supply Chain Management (OP)

Case Study Discussion: **4 Hours**

Case study discussions and presentation

Suggested Coursera Course: **14 Hours**

Digital Transformation | Coursera

Week 1	How Technology Changes Business?	3 hours
Week 2	The Mechanics of Disruption	2 hours
Week 3	Digital Trends Past and Future	5 hours
Week 4	Your Path to Digital Transformation	4 hours

Pedagogy

Case Studies, Presentations, Simulations, Assignments

Text Books:

1. Leading Digital: Turning Technology into Business Transformation, Author(s) Andrew McAfee & George Westerman, Publisher: Harvard Business; ISBN-10 : 9781625272478

SEMESTER/YEAR : I/ I YEAR

COURSE CODE : Value Added Program

TITLE OF THE COURSE : Thinking Differently

Background

Sherlock Holmes famously said once to Watson: "You see, but you do not observe. The distinction is clear."

"Think Different," said the famous 1997 Apple advertisement. Great advice to all managers, thinkers, creators, innovators, and entrepreneurs.

However, with thinking differently in order to come up with absolutely new ideas or products, there is also the need to *see* differently. Great thinkers, managers, creators, innovators, and entrepreneurs look at the world and various situations in ways that are different from how many of us look at things and in total variance to the staid and mundane. This is why they see chances and opportunities that other people seem to miss.

One way in which great artists, entrepreneurs, and creators of all kinds come up with the insights that enable them to change the world is that, very literally, they do not see the way most of us do. Their methods teach us that we can see what no one else has yet seen by seeing differently. We can think of the effort not just to think differently but also to see differently as a way of countering our built-in tendency to habituate, to sink into the familiar pattern of seeing and experiencing. This is how the future is built and diverse thinking is developed.

Course Objectives:

1. To glean important management lessons, to make patterns and figure out connections.
2. To develop the ability to look at the context from another's position and appreciating the limitations experienced by others.
3. To enable in appreciating factors that guides the actions of others, particularly in stressful or unfamiliar situations.
4. To appreciate what drives people to achieve objectives in the face of resistance or despite hindrances of various kinds.

5. To understand the values which provide the inner motive power to resist the temptation to give in to unethical professional practices?

Course Outcomes:

On completion of this course the student should be able to:

1. Understand and appreciate an argument the way it is presented
2. Build an opinion based on facts presented / available
3. Counter or modify an existing opinion using an argument derived from available variables
4. Defend her/his own position in a discussion
5. Ideate toward solution building

Syllabus

Unit 1: Culture, belief and conflict (09 Hours)

1. The Last Samurai
2. Kanthara
3. Fugitive: The curious case of Carlos Ghosn

Unit 2: Motivation and Decision Making (06 Hours)

1. Students Choice
2. Sully
3. *M.S. Dhoni: The Untold Story*

Unit 3: Ambitions, Goals and Work Ethics (06 Hours)

1. Rocket Singh- Salesman of the year;
2. Wall Street: Money Never Sleeps
3. The Inventor: Out for blood in Silicon Valley

Unit 4: Entrepreneurship & Resilience (06 Hours)

1. Guru
2. Unbroken
3. Steve Jobs

Unit 5: Values and Freedom (03 Hours)

1. Emancipation
2. The Lion King
3. Gandhi

Pedagogy

Group discussion, Presentations, Assignments

SCHOOL OF

Information Technology Applications																		
SL	USN	Student Name	07-08-2023	08-08-2023	09-08-2023	10-08-2023	11-08-2023	12-08-2023	14-08-2023	15-08-2023	16-08-2023	17-08-2023	18-08-2023	21-08-2023	22-08-2023	23-08-2023	24-08-2023	25-09-2023
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1	CMS22MBA007	B. Pooja singh	P	A	P	P	A	A	P	P	P	P	P	A	A	P	P	P
2	CMS22MBA010	Bhavana.C	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P
3	CMS22MBA081	BHAVYA SHREE V	P	P	P	P	P	P	A	A	P	P	P	P	P	A	A	P
4	CMS22MBA082	Chirag S.M	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P
5	CMS22MBA089	Gojjala Reddeppa	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A
6	CMS22MBA101	Kothamasu Abhinai	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	CMS22MBA107	LIKITH GOWDA G	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P
8	CMS22MBA114	Nancy	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P
9	CMS22MBA131	Ramya M	P	P	A	P	P	P	A	P	P	A	P	P	P	A	P	P
10	CMS22MBA144	Shashank M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	CMS22MBA145	Shilpa naik	P	A	P	A	A	P	A	P	A	P	A	A	P	A	P	A
12	CMS22MBA161	Sneha	P	A	P	P	P	A	P	P	P	P	P	P	A	P	P	P
13	CMS22MBA162	Vaishali Patil	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	CMS22MBA178	Suman biradar	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P
15	CMS22MBA008	Bsdhanushrao	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	CMS22MBA017	Chinmay Devadiga	P	A	A	A	P	A	P	A	A	A	A	P	A	P	A	A
17	CMS22MBA019	Duleep s	P	P	P	P	A	P	P	P	A	P	P	A	P	P	P	A
18	CMS22MBA049	Ramya S	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P
19	CMS22MBA102	Krishnan.s	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	A
20	CMS22MBA121	Pradeep nilaj	A	P	P	P	A	P	P	A	P	P	P	A	P	P	A	P
21	CMS22MBA134	Rucheethkumar ns	P	P	P	A	P	P	P	P	A	P	A	P	P	P	P	A

DAYANANDA SAGAR UNIVERSITY * SCHOOL OF COMMERCE & MANAGEMENT STUDIES * BANGALORE

SCHOOL OF

Artificial Intelligence & Data science																		
SL	USN	Student Name	07-08-2023	08-08-2023	09-08-2023	10-08-2023	11-08-2023	12-08-2023	14-08-2023	15-08-2023	16-08-2023	17-08-2023	18-08-2023	21-08-2023	22-08-2023	23-08-2023	24-08-2023	25-09-2023
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1	CMS22MBA115	Nandish Baligar	P	P	A	P	A	P	P	P	P	A	P	A	P	P	P	P
2	CMS22MBA053	Sanjana Prakash Gaonkar	A	P	P	A	P	P	A	P	P	P	A	P	P	A	P	P
3	CMS22MBA110	Yogesh M.K	A	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P
4	CMS22MBA119	N.Suhail	P	A	P	P	P	P	P	A	P	P	P	P	P	P	A	P
5	CMS22MBA148	Anastasia	P	P	A	P	P	P	P	P	A	A	P	P	P	P	P	A

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF COMMERCE & MANAGEMENT STUDIES
BANGALORE

SCHOOL OF

A Practical Guide to Managing People at Work

SL	USN	Student Name	07-08-2023	08-08-2023	09-08-2023	10-08-2023	11-08-2023	12-08-2023	14-08-2023	15-08-2023	16-08-2023	17-08-2023	18-08-2023	21-08-2023	22-08-2023	23-08-2023	24-08-2023	25-09-2023
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2	CMS22MBA024	K B Suman	P	P	P	A	P	P	A	A	P	P	A	P	P	A	A	P
3	CMS22MBA069	Abhipsa Rani Dash	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	CMS22MBA071	Adisiri CB	P	P	A	P	A	P	P	A	P	A	P	A	P	P	A	P
5	CMS22MBA072	Adita Mallick	P	P	P	P	P	A	A	A	P	P	P	P	A	A	A	P
6	CMS22MBA079	ANTARA DAS	P	P	P	P	P	P	A	P	A	P	P	P	P	A	P	A
7	CMS22MBA106	Lekkala Vasavi Reddy	P	P	P	A	P	P	A	P	P	P	A	P	P	A	P	P
8	CMS22MBA004	Akash R Y	A	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P
9	CMS22MBA022	Gangamma Valmiki G	P	A	P	P	P	A	P	P	P	P	P	P	A	P	P	P
10	CMS22MBA029	Madhan kumar r	P	P	P	P	P	P	P	A	A	P	P	P	P	P	A	A
11	CMS22MBA039	Nithin R	P	P	P	A	P	P	A	A	P	P	A	P	P	A	A	P
12	CMS22MBA041	P A SNEHA	P	P	A	P	A	P	A	A	P	A	P	A	P	A	A	P
13	CMS22MBA091	Grubakharan RA	A	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P
14	CMS22MBA097	Pavan kalyan jujaray	P	P	P	A	P	P	P	P	A	P	A	P	P	P	P	A
15	CMS22MBA108	Lingaraju	P	A	P	P	A	P	P	P	P	P	P	A	P	P	P	P
16	CMS22MBA113	Moidin Mahammad Ashbak	P	P	A	P	P	A	A	P	P	A	P	P	A	A	P	P
17	CMS22MBA144	Shashank M	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P
18	CMS22MBA164	Venkatesh M S	P	P	P	P	P	P	A	A	P	P	P	P	P	A	A	P
19	CMS22MBA169	Vinutha k v	P	A	P	P	P	A	P	A	P	P	P	P	A	P	A	P
20	CMS22MBA176	Faizan Mukhtiyar Shaikh	P	P	A	P	P	P	P	P	A	A	P	P	P	P	P	A
21	CMS22MBA177	Gagan v	A	P	P	P	A	P	A	P	P	P	P	A	P	A	P	P
22	CMS22MBA181	Vishrudh V S	P	P	P	A	P	P	P	A	P	P	A	P	P	P	A	P

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF COMMERCE & MANAGEMENT STUDIES
BANGALORE

SCHOOL OF

Job Readiness Program in Supply Chain Management

sl#	USN	Student Name	07-08-2023	08-08-2023	09-08-2023	10-08-2023	11-08-2023	12-08-2023	14-08-2023	15-08-2023	16-08-2023	17-08-2023	18-08-2023	21-08-2023	22-08-2023	23-08-2023	24-08-2023	25-09-2023
			2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM
1	CMS22MBA075	Akash M	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	CMS22MBA110	Yogesh M.K	P	P	P	P	A	P	A	P	P	P	P	A	P	A	P	P
3	CMS22MBA126	M P Poorna Chandran	A	P	P	P	P	P	P	A	A	P	P	P	P	P	A	A
4	CMS22MBA132	Rithika K	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P
5	CMS22MBA148	Anastasia	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P
6	CMS22MBA181	Vishrudh V S	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P
7	CMS22MBA030	Madhuchandra Durgad	P	P	A	P	A	A	P	P	P	A	P	A	A	P	P	P
8	CMS22MBA048	Raghavendra M Konaraddi	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P
9	CMS22MBA060	Srujana p	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P
10	CMS22MBA077	Anjali Bk	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	CMS22MBA086	Deekshith KT	A	A	P	A	P	P	P	P	A	P	A	P	P	P	P	A
12	CMS22MBA090	Gourab Pramanik	P	P	P	P	A	P	A	A	P	P	P	A	P	A	A	P
13	CMS22MBA092	Hari Prasad S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	CMS22MBA111	Mahadev Ghosh	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A
15	CMS22MBA115	Nandish Baligar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	CMS22MBA122	Pradum Chetry	P	P	P	P	A	P	P	A	P	P	P	A	P	P	A	P
17	CMS22MBA125	Premnath Reddy D	P	P	A	P	P	A	P	P	P	A	P	P	A	P	P	P
18	CMS22MBA136	Sagar kb	P	A	P	A	P	P	P	P	P	P	A	P	P	P	P	P
19	CMS22MBA139	Sai Varnitha T	A	P	P	P	A	P	A	P	P	P	P	A	P	A	P	P
20	CMS22MBA143	Sharathkumar N Chittawadagi	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P
21	CMS22MBA158	Tejashwini.M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	CMS22MBA159	Thaaneshwar S	P	P	P	P	A	P	P	A	P	P	P	A	P	P	A	P
23	CMS22MBA167	Vinay A S	P	P	P	A	P	P	A	P	A	P	A	P	P	A	P	A



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			Thinking Differently															
s#	USN	Student Name	07-08-2023	08-08-2023	09-08-2023	10-08-2023	11-08-2023	12-08-2023	14-08-2023	15-08-2023	16-08-2023	17-08-2023	18-08-2023	21-08-2023	22-08-2023	23-08-2023	24-08-2023	25-09-2023
1	CMS22MBA075	Akash M	11 AM - 1 PM	11 AM - 1 PM	11 AM - 1 PM	11 AM - 1 PM	11 AM - 1 PM	11 AM - 1 PM	11 AM - 1 PM	11 AM - 1 PM	11 AM - 1 PM	11 AM - 1 PM	11 AM - 1 PM	11 AM - 1 PM	11 AM - 1 PM	11 AM - 1 PM	11 AM - 1 PM	11 AM - 1 PM
2	CMS22MBA110	Yogesh M K	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	CMS22MBA126	M P Pooma Chandran	P	P	P	P	A	P	A	P	P	P	P	A	P	A	P	P
4	CMS22MBA132	Rithika K	A	P	P	P	P	P	P	A	A	P	P	P	P	P	A	A
5	CMS22MBA148	Anastasia	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P
6	CMS22MBA181	Vishrudh V S	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
7	CMS22MBA030	Madhuchandra Durgad	P	P	A	P	A	A	P	P	P	A	P	A	A	P	P	P
8	CMS22MBA048	Raghavendra M Konaraddi	P	P	P	P	P	P	A	A	P	P	P	P	P	A	A	P
9	CMS22MBA060	Srujana p	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P
10	CMS22MBA077	Anjali Bk	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

MAHANADA SAGAR UNIVERSITY SCHOOL OF COMMERCE & MANAGEMENT STUDIES BANGALORE

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Essentials of Contemporary Marketing in the digital era

SL	USN	Student Name	07-08-2023	08-08-2023	09-08-2023	10-08-2023	11-08-2023	12-08-2023	14-08-2023	15-08-2023	16-08-2023	17-08-2023	18-08-2023	21-08-2023	22-08-2023	23-08-2023	24-08-2023	25-09-2023
			2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM
1	CMS22MBA008	Bidhanushrao	P	P	A	P	P	P	P	A	P	A	P	P	P	P	A	P
2	CMS22MBA015	Chetana k jain	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	CMS22MBA030	Madhuchandra Durgad	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	CMS22MBA037	Nikhil K S	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P
5	CMS22MBA043	Patil Sagar T	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	CMS22MBA048	Raghavendra M Konaraddi	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P
7	CMS22MBA051	Sampath Kumar sangana gouda bira	A	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P
8	CMS22MBA053	Sanjana Prakash Gaonkar	P	P	P	P	A	A	P	A	P	P	P	A	A	P	A	P
9	CMS22MBA060	Srujana p	P	P	A	P	P	P	P	P	A	A	P	P	P	P	P	A
10	CMS22MBA076	Akhila A J	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	CMS22MBA077	Anjali Bk	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P
12	CMS22MBA086	Deekshith KT	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P
13	CMS22MBA090	Gourab Pramanik	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	CMS22MBA091	Grubakharan RA	A	P	P	A	A	P	P	P	P	P	A	A	P	P	P	P
15	CMS22MBA092	Hari Prasad S	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A
16	CMS22MBA097	Pavan kalyan jujaray	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	CMS22MBA102	Krishnan.s	P	P	A	P	P	P	P	A	P	A	P	P	P	P	A	P
18	CMS22MBA108	Lingaraju	P	P	P	P	A	A	P	P	P	P	P	A	A	P	P	P
19	CMS22MBA111	Mahadev Ghosh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	CMS22MBA122	Pradum Chetry	P	A	P	P	A	A	P	P	A	P	P	A	A	P	P	A
21	CMS22MBA125	Premnath Reddy D	P	P	P	A	A	P	P	P	P	P	A	A	P	P	P	P
22	CMS22MBA136	Sagar kb	A	P	P	P	P	P	A	P	A	P	P	P	P	A	P	A
23	CMS22MBA139	Sai Varnitha T	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P
24	CMS22MBA143	Sharathkumar N Chittawadagi	P	P	P	A	P	P	P	A	A	P	A	P	P	P	A	A
25	CMS22MBA150	SOURADIP SARKAR	P	P	A	P	A	P	P	P	A	A	P	A	P	P	P	A
26	CMS22MBA152	Sudeep savant	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A
27	CMS22MBA157	Tejas R	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P
28	CMS22MBA158	Tejashwini M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	CMS22MBA159	Thaneshwar S	P	P	P	P	A	A	P	P	P	P	P	A	A	P	P	P
30	CMS22MBA164	Venkatesh M S	P	A	P	P	P	P	A	P	P	P	P	P	P	A	P	P
31	CMS22MBA167	Vinay A S	A	P	P	P	A	A	P	A	P	P	P	A	A	P	A	P
32	CMS22MBA172	Anirudh Kulkarni	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
33	CMS22MBA176	Faizan Mukhtiyar Shaikh	P	P	A	A	A	P	P	P	P	A	A	A	P	P	P	P
34	CMS22MBA180	Chaitanya vernekar	P	P	P	P	A	P	P	P	A	P	P	A	P	P	P	A
35	CMS22MBA001	Abhishek Dodawad	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P
36	CMS22MBA011	BHEEMESHA		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
37	CMS22MBA021	GANESH GOVIND NAIK	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
38	CMS22MBA032	Manjunath H P	P	P	P	A	A	P	P	P	P	P	A	A	P	P	P	P
39	CMS22MBA033	Mohammed saqueeb pasha	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P
40	CMS22MBA036	Naveen Kumar B	P	A	P	P	P	A	P	P	P	P	P	P	A	P	P	P
41	CMS22MBA040	Nitish Hegde	A	P	P	A	A	P	P	A	P	P	A	A	P	P	A	P
42	CMS22MBA045	Poornachandra Hegde	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P
43	CMS22MBA046	Prasannakumar S Munnoli	P	P	P	A	P	P	P	P	A	P	A	P	P	P	P	A
44	CMS22MBA057	Sharath M S	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P
45	CMS22MBA058	Sharath U Shetty	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P
46	CMS22MBA059	Shashank Sateesh Marathe	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

	MBA061	Sudarshan B R	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
	22MBA070	Abrar shariff	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
	CMS22MBA071	Adisiri CB	P	P	P	P	A	P	A	P	P	P	P	A	P	A	P	P	P
50	CMS22MBA073	Ajay.r	A	A	A	P	P	A	P	A	P	A	P	P	A	P	A	P	P
51	CMS22MBA080	Bannappa muggannavar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
52	CMS22MBA088	Dwijesh Amrutkar	P	P	P	A	A	P	P	P	A	P	A	A	P	P	P	P	A
53	CMS22MBA089	Gojjala Reddeppa	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
54	CMS22MBA103	Kruthik Kashyap	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
55	CMS22MBA106	Lekkala Vasavi Reddy	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P
56	CMS22MBA109	M Meghana Raj	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
57	CMS22MBA117	Nikhil A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
58	CMS22MBA124	Praveen GS	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
59	CMS22MBA128	Raghu vamshi R	P	A	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P
60	CMS22MBA130	Rakesh s	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
61	CMS22MBA135	Sachin .N.B	A	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P
62	CMS22MBA137	Sahitya S Patil	P	P	P	P	P	A	P	A	A	P	P	P	A	P	A	A	A
63	CMS22MBA138	Sai Mourya R	P	P	A	P	A	P	P	P	P	A	P	A	P	P	P	P	P
64	CMS22MBA141	Satwik Goudar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
65	CMS22MBA142	Sharath P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P
66	CMS22MBA153	Sughosh Madhukar Hegde	P	A	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P
67	CMS22MBA156	TANVEER AHMED R	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P
68	CMS22MBA162	Vaishali Patil	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
69	CMS22MBA168	Vinay H G	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
70	CMS22MBA171	Yugashree IR	P	P	P	P	A	P	P	P	A	P	P	A	P	P	P	P	A
71	CMS22MBA175	Hari Prasad	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P



SCHOOL OF

Financial Markets and Investment Analysis

SL	USN	Student Name	07-08-2023	08-08-2023	09-08-2023	10-08-2023	11-08-2023	12-08-2023	14-08-2023	15-08-2023	16-08-2023	17-08-2023	18-08-2023	21-08-2023	22-08-2023	23-08-2023	24-08-2023	25-09-2023
			2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM
1	CMS22MBA001	Abhishek Dodawad	P	A	P	P	P	P	P	A	P	P	P	P	P	P	A	P
2	CMS22MBA002	Abhishek Tikotekar	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P
3	CMS22MBA003	Ajay M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	CMS22MBA004	Akash R Y	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	CMS22MBA005	Amshumalini.K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	CMS22MBA006	Anita Nagaraj Hegde	P	A	A	P	P	P	P	P	P	A	P	P	P	P	P	P
7	CMS22MBA009	Bharath Kumar VB	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	CMS22MBA011	BHEEMESHA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	CMS22MBA012	Bhoomika S	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P
10	CMS22MBA013	Chathurya M N	P	P	A	P	P	A	P	A	A	A	P	P	A	P	A	A
11	CMS22MBA014	Chetana Devaraj Hegde	P	A	P	P	P	P	A	P	P	P	P	P	P	A	P	P
12	CMS22MBA016	Chethan N	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	CMS22MBA017	Chinmay Devadiga	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	CMS22MBA018	Deepalakshmi K	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P
15	CMS22MBA019	Duleep s	P	A	P	P	P	A	P	P	P	P	P	P	A	P	P	P
16	CMS22MBA020	E Suhas	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	CMS22MBA021	GANESH GOVIND NAIK	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	CMS22MBA022	Gangamma Valmiki G	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P
19	CMS22MBA025	Karthik P G	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	CMS22MBA026	Keerthana M	P	P	P	P	P	P	A	A	A	P	P	P	A	A	A	A
21	CMS22MBA028	M MOHANMURALI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	CMS22MBA029	Madhan kumar r	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P
23	CMS22MBA031	MADHUKUMAR C	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	CMS22MBA032	Manjunath H P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	CMS22MBA033	Mohammed saqueeb pasha	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P
26	CMS22MBA034	Mohammed Sufiyan A Shaikh	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P
27	CMS22MBA035	NAMITA DATTATRAYA GAONKAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	CMS22MBA036	Naveen Kumar B	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	CMS22MBA038	Niserga E S	P	A	P	P	P	P	A	P	P	P	P	P	P	A	P	P
30	CMS22MBA039	Nithin R	P	P	A	P	P	P	P	P	A	A	P	P	P	P	P	A
31	CMS22MBA040	Nitish Hegde	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P
32	CMS22MBA042	P S Naveen	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P
33	CMS22MBA044	Ponnarasi Pooja	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
34	CMS22MBA045	Poornachandra Hegde	P	P	A	P	P	P	A	P	P	A	P	P	P	A	P	P
35	CMS22MBA046	Prasannakumar S Munnoli	P	A	P	P	P	A	P	P	P	P	P	P	A	P	P	P
36	CMS22MBA047	Pravalika M		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
37	CMS22MBA049	Ramya S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
38	CMS22MBA050	Ravi Kiran B H	P	P	A	P	P	P	P	P	A	A	P	P	P	P	P	A
39	CMS22MBA052	SANDEEP M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
40	CMS22MBA054	SARIM KHAN	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
41	CMS22MBA055	Saurabh kumar	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P
42	CMS22MBA056	Sharanabasava M	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P
43	CMS22MBA057	Sharath M S	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P
44	CMS22MBA058	Sharath U Shetty	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
45	CMS22MBA059	Shashank Sateesh Marathe	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
46	CMS22MBA061	Sudarshan B R	A	P	A	P	P	A	P	P	P	A	P	P	A	P	P	P
47	CMS22MBA062	Sudeep B M	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P
48	CMS22MBA063	SUPRITH U N	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
49	CMS22MBA064	Tejashree M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
50	CMS22MBA065	V R Prasad	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
51	CMS22MBA066	Vaibhav M K	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P

	Vandita Anant Bhat	P	P	A	P	P	P	P	A	P	A	P	P	P	P	A	P	
	Vinay Gouli	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
	Ajay.r	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	
	Annie	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	
	Bannappa muggannavar	P	P	A	P	P	A	P	P	P	A	P	P	A	P	P	P	
58	CMS22MBA084	DARSHAN. D M	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
59	CMS22MBA085	Dawoodullabaig	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
60	CMS22MBA087	Durgaa Lakshmi R	P	P	A	P	P	P	A	P	P	P	P	P	P	A	P	P
61	CMS22MBA088	Dwijesh Amrutkar	P	P	P	A	A	P	P	P	A	A	P	A	P	P	P	A
62	CMS22MBA093	Harisha T S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
63	CMS22MBA094	Harshita Chauhan	P	P	A	P	P	P	P	A	P	A	P	P	P	P	A	P
64	CMS22MBA095	Hemanth R	P	A	P	A	P	P	P	P	P	P	A	P	P	P	P	P
65	Cms22MBA096	Istarth.S.S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
66	CMS22MBA098	Jhassi Durga Punjabi	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P
67	CMS22MBA099	Karthik N	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P
68	CMS22MBA100	karthik.s	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P
69	CMS22MBA103	Kruthik Kashyap	A	A	P	P	A	P	A	P	P	P	P	A	P	A	P	P
70	CMS22MBA104	Kushalappa MM	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A
71	CMS22MBA105	Leeleshankar S	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P
72	CMS22MBA109	M Meghana Raj	P	A	P	A	P	P	P	P	P	P	A	P	P	P	P	P
73	CMS22MBA112	Mohan R	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P
74	CMS22MBA113	Moidin Mahammad Ashbak	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P
75	CMS22MBA116	Nellore chandana	P	A	A	P	P	A	P	P	P	A	P	P	A	P	P	P
76	CMS22MBA117	Nikhil A	P	P	P	A	A	P	P	P	P	P	A	A	P	P	P	P
77	CMS22MBA119	N.Suhail	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
78	CMS22MBA120	Palem Bhavana	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
79	CMS22MBA121	Pradeep nilaj	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P
80	CMS22MBA123	Prajna	A	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P
81	CMS22MBA124	Praveen GS	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	A
82	CMS22MBA127	R BHAVANA	P	P	A	P	P	P	A	P	A	A	P	P	A	A	P	P
83	CMS22MBA128	Raghu vamshi R	P	A	P	P	A	P	A	P	P	P	P	A	P	P	A	P
84	CMS22MBA129	Rajendra Ittina	P	A	P	A	P	P	P	A	P	P	A	P	P	P	P	P
85	CMS22MBA130	Rakesh s	P	A	P	P	P	A	P	P	P	P	P	P	P	A	P	P
86	CMS22MBA133	Rohith S	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P
87	CMS22MBA134	Rucheethkumar ns	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
88	CMS22MBA135	Sachin .N.B	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P
89	CMS22MBA137	Sahitya S Patil	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P
90	CMS22MBA138	Sai Mourya R	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P
91	CMS22MBA140	Samarth H R	A	P	P	P	P	P	A	P	P	P	P	A	P	P	P	A
92	CMS22MBA141	Satwik Goudar	P	P	P	P	A	P	P	P	A	P	P	A	P	P	P	P
93	CMS22MBA142	Sharath P	P	A	P	A	P	P	P	P	P	P	A	P	P	A	P	P
94	CMS22MBA146	Shreelakshmi	P	P	A	A	P	A	P	A	P	A	A	P	P	P	P	P
95	CMS22MBA147	SHREYA SUNKAD	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
96	CMS22MBA149	sindhu.m	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
97	CMS22MBA151	Suchithra.H.K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
98	CMS22MBA153	Sughosh Madhukar Hegde	P	P	A	A	P	P	P	P	P	P	A	A	P	P	P	P
99	CMS22MBA154	Suman K N	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P
100	CMS22MBA155	SumanthaRao A	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
101	CMS22MBA156	TANVEER AHMED R	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P
102	CMS22MBA160	Thushar Madhusudhan	P	P	A	P	P	P	P	P	P	P	P	A	P	A	A	P
103	CMS22MBA163	VARUNI C KULKARNI	A	A	P	A	P	A	A	P	P	P	P	A	P	P	P	A
104	CMS22MBA165	Vikram Mahabaleshwar Gummani	P	P	P	A	P	P	P	A	A	P	P	P	P	P	P	P
105	CMS22MBA166	Vikram Tiwari	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
106	CMS22MBA168	Vinay H G	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
107	CMS22MBA169	Vinutha k v	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
108	CMS22MBA170	Vivek Bikkannavar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
109	CMS22MBA171	Yugashree IR	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
110	CMS22MBA175	Hari Prasad	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P
111	CMS22MBA179	Syeda hafsa	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P

	Chetana k jain	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
	Patil Sagar T	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
	ngnath Kumar sangana gouda biraa	A	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P
	Abhipsa Rani Dash	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
	Adita Mallick	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
	Akash	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P
118	CMS22MBA081	BHAVYA SHREE V	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P
119	CMS22MBA101	Kothamasu Abhinai	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
120	CMS22MBA114	Nancy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
121	CMS22MBA152	Sudeep savant	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
122	CMS22MBA172	Anirudh Kulkarni	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
123	CMS22MBA180	Chaitanya vernekar	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P



SCHOOL OF

Applied Business Analytics Using R and Python

SL	USN	Student Name	07-08-2023	08-08-2023	09-08-2023	10-08-2023	11-08-2023	12-08-2023	14-08-2023	15-08-2023	16-08-2023	17-08-2023	18-08-2023	21-08-2023	22-08-2023	23-08-2023	24-08-2023	25-09-2023
			2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM	2 PM - 4 PM
1	CMS22MBA041	P A SNEHA	A	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P
2	CMS22MBA070	Abrar shariff	P	P	P	A	A	P	P	P	P	P	A	A	P	P	P	P
3	CMS22MBA074	Akash	P	A	P	P	P	A	P	P	P	P	P	P	A	P	P	P
4	CMS22MBA177	Gagan v	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
5	CMS22MBA002	Abhishek Tikotekar	P	P	P	A	P	P	P	P	A	P	A	P	P	P	P	P
6	CMS22MBA003	Ajay M	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P
7	CMS22MBA005	Amshumalini.K	P	P	P	A	A	P	P	P	P	P	P	A	A	P	P	P
8	CMS22MBA006	Anita Nagaraj Hegde	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P
9	CMS22MBA007	B. Pooja singh	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P
10	CMS22MBA009	Bharath Kumar VB	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P
11	CMS22MBA010	Bhavana C	P	P	P	P	A	A	P	P	P	P	P	P	A	A	P	P
12	CMS22MBA012	Bhoomika S	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P
13	CMS22MBA013	Chathurya M N	P	P	P	A	P	A	P	P	P	P	P	A	P	P	P	P
14	CMS22MBA014	Chetana Devaraj Hegde	P	P	P	A	P	P	A	P	P	P	P	A	P	P	P	P
15	CMS22MBA016	Chethan N	P	P	A	P	P	A	P	P	A	A	P	P	P	P	P	P
16	CMS22MBA018	Deepalakshmi K	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	A
17	CMS22MBA020	E Suhas	P	P	P	P	A	A	P	A	P	P	P	P	A	P	P	P
18	CMS22MBA023	Goutami M Gouda	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P
19	CMS22MBA024	K B Suman	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	A
20	CMS22MBA025	Karthik P G	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
21	CMS22MBA026	Keerthana M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	CMS22MBA028	M MOHANMURALI	P	P	A	A	P	A	P	P	P	A	A	P	A	P	P	P
23	CMS22MBA031	MADHUKUMAR C	P	P	P	P	A	P	P	P	P	P	P	A	P	P	A	A
24	CMS22MBA034	Mohammed Sufiyan A Shaikh	P	P	P	A	P	P	A	P	A	P	A	P	P	P	P	A
25	CMS22MBA035	NAMITA DATTATRAYA GAONKAR	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
26	CMS22MBA037	Nikhil K S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
27	CMS22MBA038	Nisarga E S	P	P	A	P	P	A	P	A	P	A	P	P	P	P	P	P
28	CMS22MBA042	P S Naveen	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	CMS22MBA044	Ponnarasi Pooja	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P
30	CMS22MBA047	Pravalika M	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P
31	CMS22MBA050	Ravi Kiran B H	P	P	P	A	P	P	P	P	P	P	P	A	P	P	A	P
32	CMS22MBA052	SANDEEP M	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P
33	CMS22MBA054	SARIM KHAN	P	P	A	P	P	P	P	P	P	A	P	A	P	A	P	P
34	CMS22MBA055	Saurabh kumar	P	P	P	P	A	P	A	P	P	P	P	A	P	P	P	A
35	CMS22MBA056	Sharanabasava M	P	P	P	A	P	P	P	P	A	P	A	P	P	P	P	P
36	CMS22MBA062	Sudeep B M		P	P	P	P	P	P	P	P	P	P	A	A	P	P	P
37	CMS22MBA063	SUPRITH U N	A	P	P	A	A	P	P	A	P	P	P	P	P	A	A	P
38	CMS22MBA064	Tejashree M	P	P	P	P	P	A	A	P	P	P	P	P	A	P	P	P
39	CMS22MBA065	V R Prasad	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
40	CMS22MBA066	Vaibhav M K	P	P	P	P	P	P	P	P	A	P	P	A	P	P	P	A
41	CMS22MBA067	Vandita Anant Bhat	A	P	P	A	P	P	P	A	P	P	A	P	P	A	A	P
42	CMS22MBA068	Vinay Gouli	P	P	A	P	P	A	A	P	P	A	P	P	P	A	P	P
43	CMS22MBA075	Akash M	P	P	P	P	P	A	P	P	P	A	P	P	A	P	P	P
44	CMS22MBA076	Akhila A J	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P
45	CMS22MBA078	Annie	P	P	P	P	P	P	P	P	P	A	P	P	A	A	P	P
46	CMS22MBA079	ANTARA DAS	P	P	A	P	P	A	A	P	P	A	P	P	P	P	P	A
47	CMS22MBA082	Chirag S.M	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P	P
48	CMS22MBA083	Damini	P	P	A	A	P	P	P	P	A	P	P	P	A	A	P	A
49	CMS22MBA084	DARSHAN. D M	P	P	P	P	A	A	P	A	P	P	P	P	P	P	A	P
50	CMS22MBA085	Dawoodullabaig	P	P	P	P	P	P	A	P	A	P	P	P	P	P	P	A

51	CMS22MBA087	Durgaa Lakshmi R	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A
52	CMS22MBA093	Harisha T S	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P
53	CMS22MBA094	Harshita Chauhan	P	P	P	A	A	A	A	A	P	P	A	A	A	A	A	P	P
54	CMS22MBA095	Hemanth R	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P
55	Cms22MBA096	Istarth.S.S.	P	P	P	P	P	A	A	P	P	P	P	P	P	A	A	P	P
56	CMS22MBA098	Jhassi Durga Punjabi	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P
57	CMS22MBA099	Karthik N	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P
58	CMS22MBA100	karthik.s	P	P	A	A	P	A	A	P	P	A	A	P	A	A	P	P	P
59	CMS22MBA104	Kushalappa MM	P	A	P	P	A	P	P	P	A	P	P	A	P	P	P	P	A
60	CMS22MBA105	Leelashankar S	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
61	CMS22MBA107	LIKITH GOWDA G	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P
62	CMS22MBA112	Mohan R	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P
63	CMS22MBA116	Nellore chandana	P	P	P	A	P	A	P	P	P	P	A	P	A	P	P	P	P
64	CMS22MBA120	Palem Bhavana	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P
65	CMS22MBA123	Prajna	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
66	CMS22MBA126	M P Poorna Chandran	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P
67	CMS22MBA127	R BHAVANA	P	P	P	P	A	P	P	A	A	P	P	A	P	P	A	A	P
68	CMS22MBA129	Rajendra Ittina	P	P	P	A	P	A	P	P	P	P	A	P	A	P	P	P	P
69	CMS22MBA131	Ramya M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
70	CMS22MBA132	Rithika K	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P
71	CMS22MBA133	Rohith S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
72	CMS22MBA140	Samarth H R	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
73	CMS22MBA145	Shilpa naik	P	P	P	A	P	P	P	A	P	P	A	P	P	P	A	P	P
74	CMS22MBA146	Shreelakshmi	P	P	P	P	P	A	A	P	P	P	P	P	A	A	P	P	P
75	CMS22MBA147	SHREYA SUNKAD	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P
76	CMS22MBA149	sindhu.m	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P
77	CMS22MBA150	SOURADIP SARKAR	P	P	P	A	P	P	P	P	A	P	A	P	P	P	P	A	A
78	CMS22MBA151	Suchithra.H.K	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P
79	CMS22MBA154	Suman K N	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P
80	CMS22MBA155	SumanthaRao A	P	P	P	A	A	P	P	P	P	P	A	A	P	P	P	P	P
81	CMS22MBA157	Tejas R	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
82	CMS22MBA160	Thushar Madhusudhan	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P
83	CMS22MBA161	Sneha	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P
84	CMS22MBA163	VARUNI C KULKARNI	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P
85	CMS22MBA165	Vikram Mahabaleshwar Gummani	P	P	P	A	P	P	P	P	A	P	A	P	P	P	P	A	A
86	CMS22MBA166	Vikram Tiwari	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P
87	CMS22MBA170	Vivek Bikkannavar	P	P	P	A	A	P	P	P	P	P	A	A	P	P	P	P	P
88	CMS22MBA178	Suman biradar	P	P	P	A	P	A	P	P	P	P	A	P	A	P	P	P	P
89	CMS22MBA179	Syeda hafsa	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P



SCHOOL OF
COMMERCE & MANAGEMENT STUDIES

Certificate of Completion

This certifies that

Abhishek Dodawad

has actively completed the **Value Added Program** titled "**Financial Markets and Investment Analysis**" held from August 7, 2023, to August 25, 2023, for 30 hours.

Prof. Capt. Nagaraj Subbarao, Ph.D
Dean - SCMS

SCHOOL OF
COMMERCE & MANAGEMENT STUDIES

Certificate of Completion

This certifies that

Chetana K Jain

has actively completed the **Value Added Program** titled "**Essentials of Contemporary Marketing in Digital Era**" held from August 7, 2023, to August 25, 2023, for 30 hours.

Prof. Capt. Nagaraj Subbarao, Ph.D
Dean - SCMS

Dayananda Sagar University

Harohalli, Kanakapura Road, Ramanagara Dt., Bengaluru – 562 112

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

The Department of Electronics and Communication Engineering, Bengaluru is pleased to welcome our "Scholar in Residence at SOE" Dr. Stefano Rinaldi is an Associate Professor at the University of Brescia specializing in Electric and Electronic Measurement.



His research focuses on IoT systems aimed at bolstering industrial automation, as well as the development of Smart Grids and Smart Cities. He is particularly interested in integrating renewable energy sources, electrical storage systems, and e-vehicle charging stations into distribution grids. He has delivered a value-added program on "Mastering Industrial IoT: A Comprehensive Exploration" and a Seminar on "Navigating the Future: Mastering Industrial IoT in Campus 3.



Lecture Series Title: "Mastering Industrial IoT: A Comprehensive Exploration "

Duration: 20 hours

Objective: Provide participants with a deep understanding of Industrial IoT, its applications, challenges, and implementation strategies.

Day 1: Introduction to Industrial automation (2 hours)

- Definition and key concepts of industrial automation
- Introduction to industrial networking
- Characteristics and performance of industrial communication protocols

Day 2: Introduction to Industrial IoT (2 hours)

- Definition and key concepts of IIoT
- Historical context and evolution
- Importance and benefits for industries

Day 3: IIoT Architecture (2 hours)

- Overview of IIoT architecture
- Edge computing in IIoT
- Cloud platforms and their role

Day 4: IIoT Sensors and Devices (2 hours)

- Types of sensors used in IIoT
- Device connectivity and communication
- Case studies on sensor integration in industrial settings
- Introduction to communication protocols and standards

Day 5: Data Analytics for IIoT (2 hours)

- Importance of data analytics in IIoT
- Big data and analytics tools
- Predictive maintenance and anomaly detection

Day 6: IIoT Security (2 hours)

- Security challenges in IIoT
- Best practices for securing industrial systems
- Case studies on security breaches and lessons learned

Day 7: Connectivity in IIoT (2 hours)

- Communication protocols (MQTT, CoAP, OPC UA, etc.)
- Wireless technologies for industrial communication
- Integration with existing industrial networks

Day 8: IIoT Standards and Interoperability (2 hours)

- Overview of industry standards
- Interoperability challenges and solutions
- Importance of open standards in IIoT

Day 9: Industry 4.0 and IIoT (2 hours)

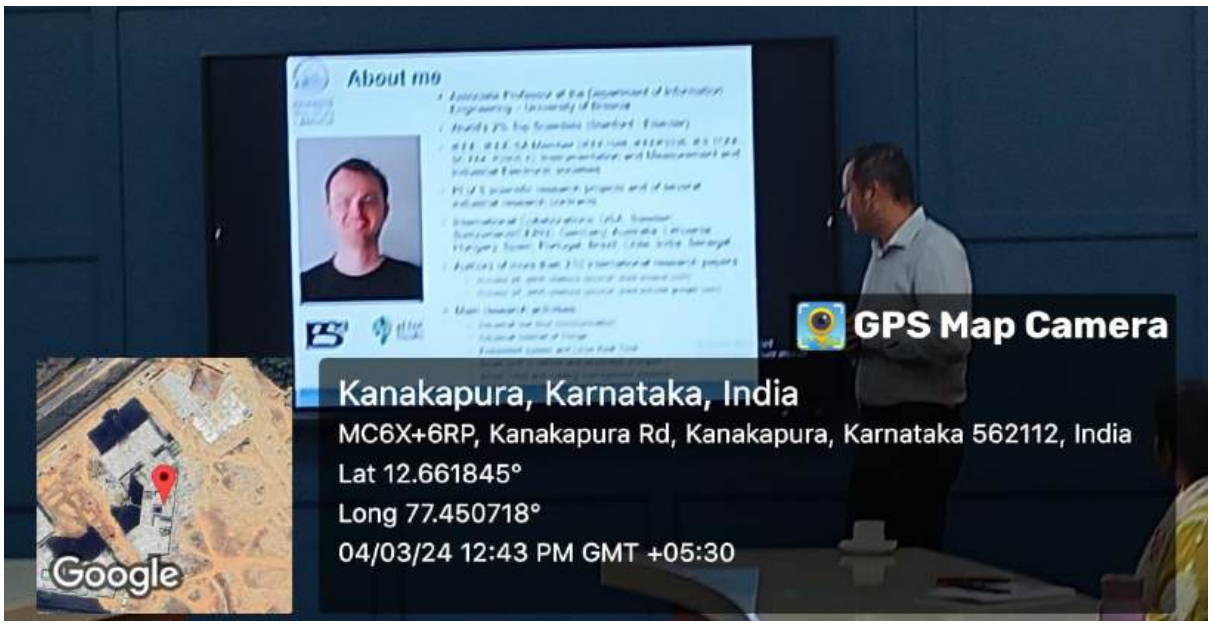
- Relationship between Industry 4.0 and IIoT
- Smart factories and automation
- Case studies of successful Industry 4.0 implementations

Day 10: Case Studies and Use Cases (2 hours)

- Tools and solution for programming IIoT applications
- Real-world examples of IIoT implementations across industries
- Lessons learned and best practices from successful projects

Dr. Stefano Rinaldi engaged in discussions with Full-time PhD research scholars, on March 4, 2024. This interaction has opened up a broad range of opportunities for us to explore research projects in the fields of renewable energy, IIoT, and sensor technology.





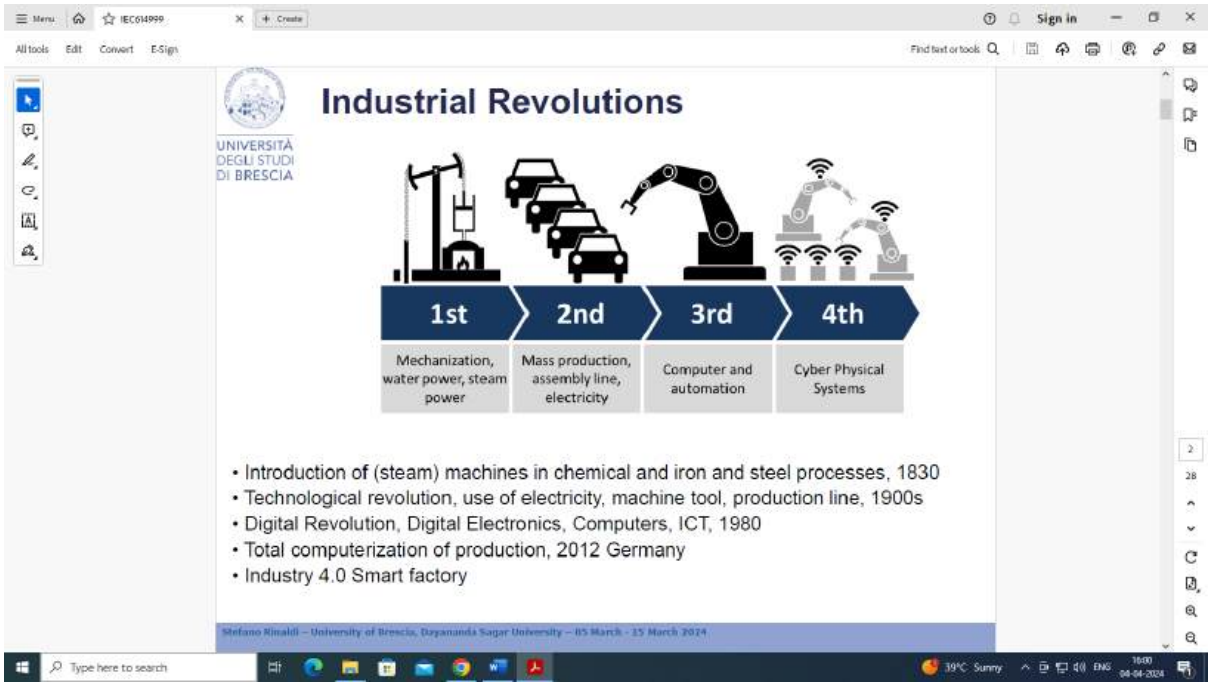
The Classes started as per the Time Table for the 4th Semester ECE and CY from 5th March, 2024 to 14th March, 2024.

DAY/TIME	11.00-11.55am	11.55-12.50pm
Monday (5-03-2024) & (11-03-2024)	IIoT (Dr. Stefano Rinaldi)	
Tuesday (6-03-2024) & (12-03-2024)	IIoT (Dr. Stefano Rinaldi)	
Wednesday (7-03-2024) & (13-03-2024)	IIoT (Dr. Stefano Rinaldi)	
Thursday (8-03-2024) & (14-03-2024)	IIoT (Dr. Stefano Rinaldi)	
Friday (9-03-2024) & (15-03-2024)	IIoT (Dr. Stefano Rinaldi)	






Mastering Industrial IoT: A Comprehensive Exploration
Introduction 00
Prof. Stefano Rinaldi
Department of Information Engineering
University of Brescia, Brescia - Italy
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Kanakapura, Karnataka, India
MC6X+6RP, Kanakapura Rd, Kanakapura, Karnataka 562112, India
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Google


Industrial Revolutions
UNIVERSITÀ DEGLI STUDI DI BRESCIA
1st
2nd
3rd
4th
Mechanization, water power, steam power
Mass production, assembly line, electricity
Computer and automation
Cyber Physical Systems
• Introduction of (steam) machines in chemical and iron and steel processes, 1830
• Technological revolution, use of electricity, machine tool, production line, 1900s
• Digital Revolution, Digital Electronics, Computers, ICT, 1980
• Total computerization of production, 2012 Germany
• Industry 4.0 Smart factory
Stefano Rinaldi – University of Brescia, Dayananda Sagar University – 05 March - 15 March 2024


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Industrial Automation: Organization
As defined in the standard ISA 95
Management level
Planning level
Supervisory level
Control level
Field level
Kanakapura | 2024.03.06 11:19


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Control- Factory Automation
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University of Brescia: numbers


Virtualization


Thank you for Your attention!
Any questions?
eLUX unaBS
e-mail: stefano.rinaldi@unibs.it
2024.03.15 12:58


Mastering Industrial IoT: A Comprehensive Exploration
2024.03.15 13:16





The course ended on 15th March 2024 with the feedback and question-answer session. All the students and faculty coordinators have expressed their experience and discussed for further collaboration for the projects in the IIoT Domain.

The Department of Electronics and Communication has completed the seminar on “Navigating the future: Mastering Industrial IOT”. The seminar was conducted on 7th March 2024 at DSU, Kudlu Gate, Bangalore.

The objectives of the course are:

- To provide students with an overview about the Industrial Internet of Things.
- To understand the vision and connectivity of IoT.
- To facilitate the students to understand the concepts of Industrial Automation.
- To give students insights about the architecture of sensors and devices, standards and interoperability related to Industry 4.0.

The seminar started with a welcome note to all dignitaries by Dr. Saara, followed by the introduction of the guest speaker Dr. Stefano Rinaldi by Prof. Sivasankari. The chairman of the ECE department addressed the gathering and motivated the students to actively participate in the seminar. Then session was handed over to the Dr. Stefano Rinaldi. He explained the Internet of Things and CPS. He elaborated on the vision and challenges of IIOT. The guest speaker explained how the IOT is connected and how it communicates with each device. Students understood about automation in industries. The session concluded with the question-and-answer session, in which students actively participated and cleared their doubts.




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UNIVERSITY
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Singasandra, Bengaluru, Karnataka 560068, India
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Long 77.6422°
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Bengaluru, Karnataka, India
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Dr. Stefano Rinaldi, an Associate Professor at the University of Brescia offered a 10-day extensive value-added program on "Mastering Industrial IoT: A comprehensive Exploration" to fourth-semester students from March 5-15, 2024, as part of the "Scholar in Residence" program. Special appreciation goes to Supriya Mathew and the management of Dayananda Sagar University, School of Engineering, DSU for their support. We also acknowledge the exceptional support provided by the faculty coordinators, including Dr. Theodore Chandra, Dr. Saara K, Dr. Pushpa Mala, Dr. Godfrey, Prof Kokila, Prof Nadeem Pasha, Dr. Supraja, Dr. Arun Ananthanarayana, Dr. Depthi Chamkur, Prof. Manasa, Prof. Sivasankari S S from the ECE Department, and Prof. Naveen Kulkarni from the CY Department.