



# SCHOOL OF ENGINEERING

## SOE-BULLETIN

The Official Newsletter of **School of Engineering**



# SCHOOL OF ENGINEERING

## Vision

Transform lives through excellence in engineering education, research and innovation with an emphasis on sustainability, inclusive technologies and global needs.

## Mission

1. Design and deliver contemporary engineering curricula to address regional and global needs while emphasizing ethics, values, integrity and regional relevance.
2. Carry out high impact academic research, industry projects and innovation activities with active student engagement to advance science and engineering knowledge and state-of-the-art industry practices.
3. Develop regional and national leaders to advance the society and economy.

# INDEX

<b>CONTENTS</b>	<b>PAGE NO.</b>
<b>INTERNATIONAL ACTIVITIES</b>	<b>4</b>
<b>WORKSHOPS / SKILL DEVELOPMENT PROGRAMS</b>	<b>7</b>
<b>WEBINARS / SEMINARS / TECHNICAL TALKS</b>	<b>12</b>
<b>EVENTS: PROFESSIONAL SOCIETIES / CLUB ACTIVITIES</b>	<b>17</b>
<b>INDUSTRIAL VISIT</b>	<b>39</b>
<b>FACULTY ACHIEVEMENTS</b>	<b>43</b>
<b>STUDENT ACHIEVEMENTS</b>	<b>85</b>



# SCHOOL OF ENGINEERING



## INTERNATIONAL ACTIVITIES

## Value Added Course on “Aircraft Structures”

The value-added course on Aircraft Structures was organized by the Department of Aerospace Engineering in collaboration with the Department of International Affairs and Admissions. Dr. Andreas Hermanutz, Faculty Head Aerospace at the Technical University of Munich (TUM) Asia Singapore delivered the course from 30th Sep 2024 to 5th Oct 2024. The lecture offered a comprehensive insight into aeroelastic materials in aircraft wings, highlighting their critical role in enhancing structural integrity and performance. Dr. Hermanutz provided an engaging and insightful overview of key concepts such as aeroelasticity and fluttering, effectively illustrating the complex interactions between aerodynamic forces and structural dynamics. His expertise not only enriched the understanding of these fundamental principles but also emphasized their practical implications in the field of Aerospace Engineering.



## “Visit of Japan Industry Delegates to DSU Fosters Academic and Research Collaboration”

On October 21, 2024, Dayananda Sagar University (DSU) had the honor of hosting esteemed industry delegates from Japan: Mr. Kohe Vamane, Managing Director; Mr. Ryuji Ueda, Leader, Work Engagement Support Department; and Mr. Vemula Maneesh, Senior Expert, DX Consulting Department from Funai Soken Tokyo, JAPAN. This high-profile visit served as a platform for fruitful discussions on academic and research collaboration, focusing on aligning DSU's undergraduate curriculum and research initiatives with global industry standards. During their visit, the delegates engaged in insightful interactions with DSU faculty members, discussing advancements in academic programs, research projects, and laboratory facilities. These discussions emphasized integrating industry-relevant skills into DSU's educational offerings, with the goal of enhancing students' readiness for the global job market. The delegates toured DSU's state-of-the-art laboratories, where they explored ongoing research projects and gained insights into the institution's technical resources and expertise. This visit was facilitated by the DSU International Affairs team, who coordinated every aspect of the delegates' interactions and provided comprehensive insight into the university's vision for international collaboration.





# SCHOOL OF ENGINEERING

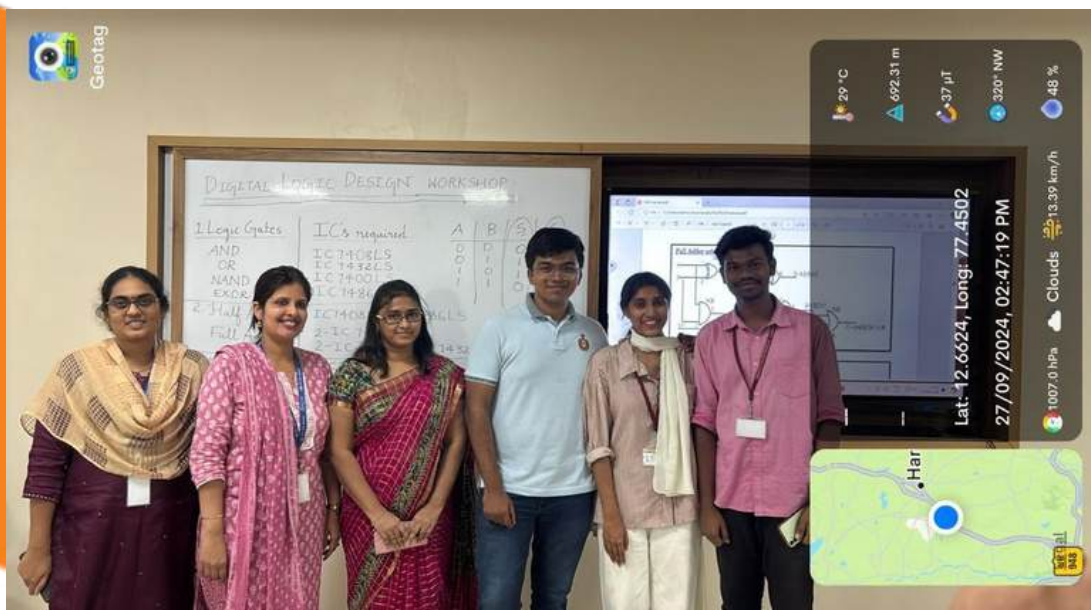
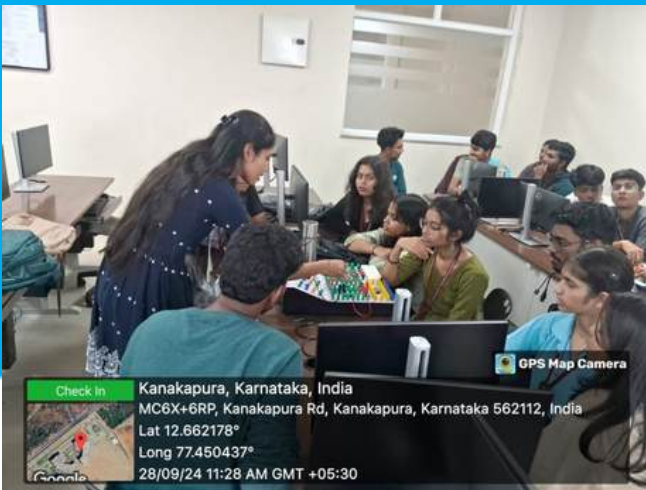


**WORKSHOPS / SKILL DEVELOPMENT PROGRAMS**

## Value Added Course on “Unlocking the Power of Digital Electronics: Mastering Logic Design”

The Department of CSE (AI&ML) conducted the three-day value-added course "Unlocking the Power of Digital Electronics: Mastering Logic Design," held from September 26-28, 2024, offered third-semester AI & ML students a comprehensive introduction to digital circuit fundamentals. Coordinated by Dr. Kavya Sai Yaddanapudi, Dr. Mude Nagarjuna Naik, and Prof. Yaso Omkari, the workshop combined theoretical learning with hands-on practical sessions. This immersive experience solidified their understanding of digital circuit design, emphasizing the importance of digital logic in modern electronic systems. The course provided students with essential knowledge applicable to real-world digital electronics applications.





## Workshop on “IOT Unplugged” from Sensors to Solutions

The Department of Computer Science & Technology hosted a three-day IoT workshop to help students understand IoT concepts and build projects using DevBoard. The workshop featured Mr. Mani Ashwin, who shared his expertise in IoT with Arduino. He has led numerous workshops and has an impressive background in IoT, machine learning, and embedded systems. The event began with welcoming words from Dr. M. Shahina Parveen, Chairperson, Dept. of Computer Science and Technology, followed by Mr. Ashwin’s sessions. The workshop included hands-on experiences, and the final day wrapped up with certificate distribution and a vote of thanks by Prof. Ramandeep Kaur.



**SCHOOL OF ENGINEERING**  
Dayanand Sagar University  
Department of Computer Science & Technology  
is organizing  
a 3-Day workshop on  
**IOT UNPLUGGED**  
From Sensors to Solutions  
8TH-10TH OCTOBER

Venue:  
A327, A408

**RESOURCE PARSON**  
Mr. Mani Ashwin  
Technical Consultant  
Enterprise Building Training Solutions

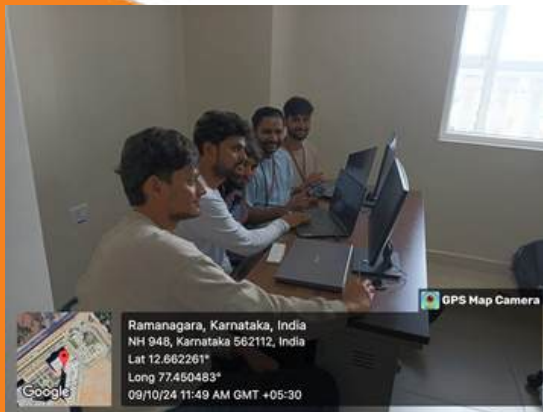
SCAN ME

Target audience: 5th sem students

**Organizers**  
Prof. Ramandeep Kaur  
Assistant Professor, CST  
Prof. Vinayaka V M  
Assistant Professor, CST

**Chairperson**  
Dr. M Shahina Parveen  
Professor, CST

**Convener**  
Dr. Udaya Kumar Reddy K R  
Dean-School of Engineering  
Dr. Shahina M Parveen  
Professor, CST





# SCHOOL OF ENGINEERING



**WEBINARS / SEMINARS / TECHNICAL TALKS**

## Pre-Placement Talk: “Edgeverve System”

EdgeVerve Systems, a subsidiary of Infosys, left a memorable mark as the first company to visit and deliver a “Pre-Placement Talk” at Dayananda Sagar University’s (DSU) Harohalli campus for the 2026 batch placement drive on October 24, 2024, from 11:30 am to 02.00 pm. The EdgeVerve team provided valuable insights into the company’s vision, broad career pathways, and diverse roles, along with an in-depth overview of their recruitment process for both internships and full-time positions, sparking strong enthusiasm among students. Experts Mr. Rajeshwar Rao (Head of Talent Acquisition), Mr. Karthik V R (Business Manager, Learning), and Mr. Arun Kumar (Talent Acquisition) dedicated their time to engage directly with students. The session drew over 1,000 enthusiastic 5th-semester students from DSU’s School of Engineering, including more than 50 students from the Department of CSE (Data Science), creating an atmosphere brimming with curiosity and ambition. Through interactive discussions and a Q&A session, students gained a comprehensive understanding of EdgeVerve’s culture, innovation-driven projects, and growth opportunities. Their efforts ensured a seamless, engaging experience, setting an inspiring tone for the placement season. EdgeVerve’s visit, coupled with DSU students' enthusiastic participation, underscores the university’s commitment to preparing top-tier talent for careers in technology and innovation.



## Expert talk on “Elevate Funding for Innovative Ideas”

Department of Computer Science & Technology arranged an expert talk on “Elevate Funding for Innovative Ideas” on 30th October 2024 from 11:00 AM to 01:00 PM for 5th-semester students. The session was delivered by Mr. Sathyanarayana B V, CEO of DERBI Foundation, Dayananda Sagar University. This session created awareness among students in fostering their ideas for product development and participating in various upcoming events.



**SCHOOL OF ENGINEERING**  
Devarakaggalahalli, Harohalli, Kanakapura Rd, DL.Ramanagara,  
Karnataka-562112

**Expert Talk on**  
"Elevate Funding for Innovative Ideas"

**Organized by**  
Department of Computer Science & Technology



Mr. Sathyanarayana (Sathya) B V,  
CEO-DERBI Foundation,  
Dayananda Sagar University.



Date: 30TH OCT  
Time: 11:00 AM AM-01:00PM

Scan the code to join session

**Objectives**

- To equip participants with knowledge about different types of funding sources.
- To enable participants to identify and shape their innovative ideas effectively, transforming them into fundable propositions with a compelling pitch.
- To provide a step-by-step overview of applying for funding, including the typical requirements, timelines, and documentation involved in different funding sources.
- To highlight best practices for building sustainable funding models, maintaining investor relationships, and managing finances effectively post-funding.

**Outcomes**

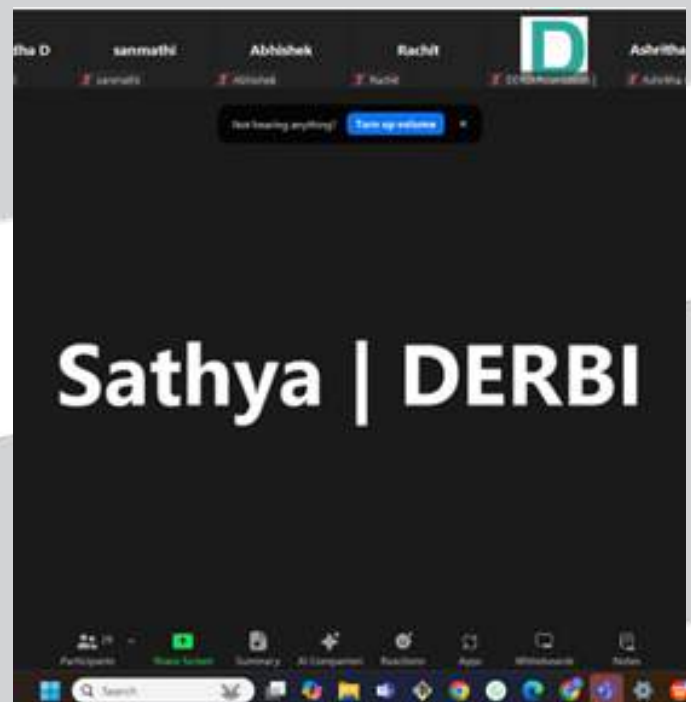
- Describe the core elements of the funding application process and articulate the role each element plays in attracting investor interest.
- Construct a preliminary pitch for an innovative idea, using a standard pitch format that includes problem, solution, market fit, and projected impact.
- Compare and contrast real-world funding cases to recognize patterns that contribute to a successful funding proposal or pitch.

**Patrons**

<b>Dr. D. Hemachandra Sagar</b> Chancellor, DSU	<b>Dr. D. Premachandra Sagar</b> Pro-Chancellor, DSU	
<b>Shri. Galiswamy</b> Secretary, DSU	<b>Dr. Amit R Bhatt</b> Vice-Chancellor, DSU	<b>Dr. Puttamadappa C</b> Registrar , DSU
<b>Dr. Uday Kumar Reddy</b> Dean- SOE	<b>Dr. Naveen Babu</b> Associate Dean- SOE	

**Organizer**  
Dr. D. Sudha  
Assoc. Professor, CST  
Prof. Vinayaka  
Assistant Professor, CST

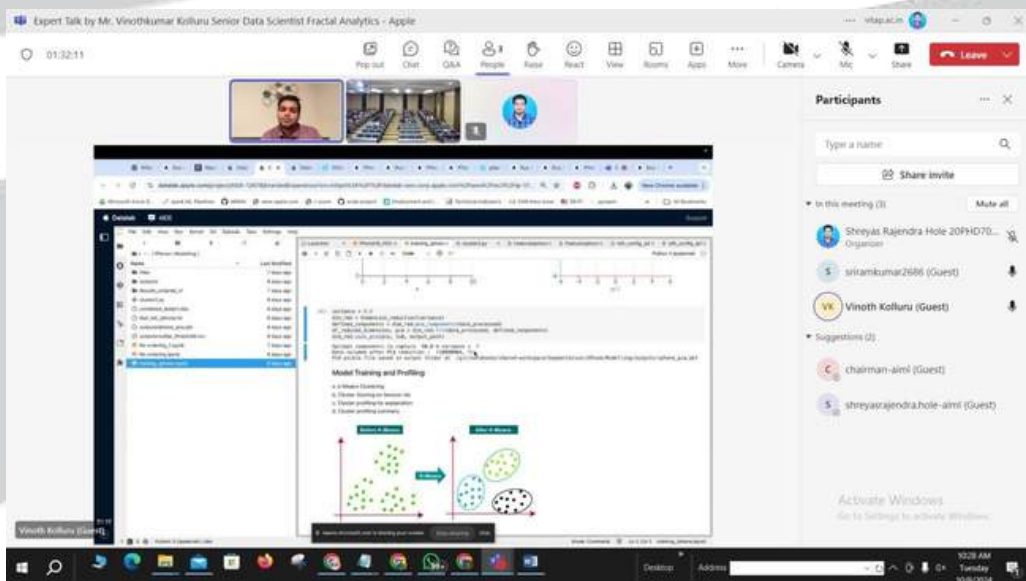
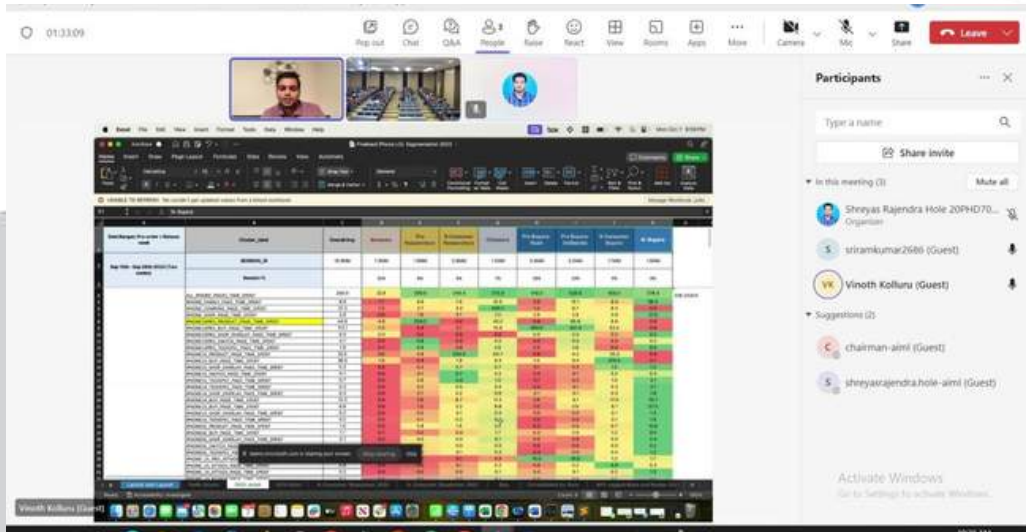
**Chairperson**  
Dr. M.Shahina Parveen  
Professor, CST



## Expert-Talk- “Building Smart Models:Utilizing Datasets to Optimize MachineLearning Outcomes”

On October 8, 2024, the Department of Computer Science & Engineering (AI & ML) at Dayananda Sagar University hosted an expert talk titled "Building Smart Models: Utilizing Datasets to Optimize Machine Learning Outcomes." Led by Mr. Vinothkumar Kolluru, a Senior Data Scientist at Apple, USA, the session was attended by fifth-semester students (Sections A, B, and C) and faculty members. Mr. Vinothkumar provided a detailed overview of the essential steps for handling and optimizing datasets to create effective machine-learning models. Key topics included data preprocessing, exploratory data analysis, feature engineering, and model selection, with practical insights into dealing with missing data, data normalization, and feature extraction. His clear, structured approach kept students highly engaged. The session concluded with a vote of thanks by Prof. Sriramkumar R, who acknowledged Mr. Vinothkumar 's impactful contribution. The talk offered valuable learning and practical applications, helping students build a strong foundation in data science and machine learning.







# SCHOOL OF ENGINEERING



**EVENTS: PROFESSIONAL SOCIETIES / CLUB ACTIVITIES**

## “Convocation 2024”

The 8th Convocation Ceremony of Dayananda Sagar University was held on 28th October 2024. The event took place in the university’s grand auditorium, beautifully decorated to celebrate the achievements of the graduating batch. The ceremony was graced by distinguished guests, including the Chief Guest, Prof. Debabrata Das, and the Guest of Honour, Mr. Jonas Brunschwig. The ceremony honored the graduating students from various disciplines across the university, including Doctoral, Master’s, and Bachelor’s degree holders. This was a proud moment for the graduates as they prepared to embark on new journeys in their respective fields. The convocation commenced with a solemn academic procession. The Vice-Chancellor opened the ceremony with a welcome speech, followed by a formal request to the Chancellor to declare the convocation open. Then the dignitaries symbolically lit the lamp. As part of the celebrations, balloons and pigeons were released, symbolizing freedom, hope, and the new beginnings awaiting each graduate. To mark the conclusion of the ceremony, a stunning laser light show and fireworks display filled the sky, creating a festive and memorable atmosphere. After the formal proceedings, refreshments were served, allowing graduates, families, and faculty members to celebrate together. The ceremony concluded with a Vote of Thanks, followed by the National Anthem. The academic procession then recessed, marking the end of the Eighth Convocation Ceremony.







## “IEEE Day 2024 Celebration”

The IEEE Student Branch Chapter of DSU successfully organized an engaging celebration of IEEE Day on October 1, 2024. The event brought together students and faculty to explore advancements in electrical engineering and technology. The occasion was graced by the esteemed presence of Dr. Udaya Kumar Reddy, Dean of the School of Engineering, Dr. Arun Balodi, Chairperson of the Department of Electronics and Communication Engineering, and Dr. Pushpamala S, Associate Professor in the Department of ECE.



## “Ayudha Aaradhana 2024”

The DataScience@DSU Club, Department of CSE (Data Science) organized “Ayudha Aaradhana 2024: Ayudha Pooja” celebration was a vibrant and spiritually uplifting event that brought together students, faculty, and staff to honor the tools of learning, knowledge, and profession. The event, which took place on 10th October 2024, was a part of the Navaratri celebrations, focusing on showing gratitude towards educational tools and instruments. It aimed to foster a sense of reverence for the materials that aid in academic and professional success, as well as to promote unity among the college community. More than 100+ students have participated in this event for 3rd semester and 5th Semester.



## “Saraswati and Ayudha Pooja Celebration” Department of CST

The Department of Computer Science and Technology conducted a grand Saraswati Pooja to celebrate the occasion with devotion and tradition. The event began with faculty members, students, and staff gathering to invoke the blessings of Goddess Saraswati, the deity of knowledge and wisdom. The Pooja was conducted in a serene and peaceful atmosphere, creating a sense of unity and spirituality. Traditional rituals, including offering flowers and chanting hymns, were performed with great reverence. Students actively participated, enhancing the devotional spirit of the event. The faculty encouraged everyone to seek the goddess's blessings for academic success. After the rituals, prasadam was distributed to all attendees. The Saraswati Pooja reinforced the importance of knowledge and education, aligning with the department's mission of academic excellence.





## “World Space Week (WSW) 2024”

The students from the Department of Aerospace Engineering under Alatus Aerospace Club Organised World Space Week (WSW) on 9th October 2024 with a theme “Space & Climate Change”. On the Occasion of World Space Week (WSW) 2024 a Debate competition was organized where the students from II, III, and IV year Participated actively on the following topics 1. Commercialization of space, 2. Space exploration, 3. preservation of space, 4. Colonization of space, 5. militarization of space, 6. Space treaty also few competitions like soave quiz were organized.



## “Plantation of plants for Good health”

The DataScience@DSU Club, The Department of CSE (Data Science) organized awareness program on "Plantation of plants for Good health" held on 25th October 2024, from 11:00 AM to 12:30 PM in DSU campus, organized by Dr. Shaila S G, Professor and Chairperson (DS), Dr. Santhosh Kumar G, Associate Professor, Prof. Mahendra M K, Assistant Professor, Dept. of CSE (Data Science), and Prof. Chandrakala L, Assistant Professor, Dept. of CSE (Data Science), Dr. K S Bhagyajyothi, Assistant Director of Physical Education, and NSS Co-Ordinator, DSU supported to complete the program successfully. More than 50+ students from the 3rd Sem and 5th Semester have participated in this event.

**PLANTATION**

**CONVENERS:**

- Dr. Amit Bhatt  
Vice Chancellor, DSU.
- Dr. Udaya Kumar Reddy KR  
Dean, SoE
- Dr. Shaila S G  
Professor & Chairperson,  
CSE(DS),SOE, DSU

**ORGANIZERS:**

- Dr. Santhosh Kumar G  
Associate Professor.CSE(DS)
- Prof. Mahendra M K  
Assistant Professor, CSE(DS)
- Prof. Chandrakala L  
Assistant Professor.CSE(DS)

**Dayananda Sagar University**  
School of Engineering,  
Department of C S E (Data Science )  
Devarakaggalahalli, Harohalli,  
Kanakapura Road, Karnataka 562112.

**AWARENESS PROGRAM ON  
PLANTATION OF PLANT  
FOR GOOD HEALTH**

"Empowering Communities for a Greener Future"

**DATE: 25-10-2024**

**VENUE:  
DSU CAMPUS**



## “E-waste and wet waste management”

The DataScience@DSU Club, the Department of CSE (Data Science) organized an awareness program on "E-waste management" held on 25th October 2024, from 1:30 PM to 4:00 PM in Cheeluru village and Paduvanagere village, organized by Dr. Shaila S G, Professor and Chairperson (DS), Dr. Santhosh Kumar G, Associate Professor, Prof. Mahendra M K, Assistant Professor, Dept. of CSE (Data Science), and Prof. Chandrakala L, Assistant Professor, Dept. of CSE (Data Science), Dr. K S Bhagyajyothi, Assistant Director of Physical Education, and NSS Co-Ordinator, DSU, supported to complete the program successfully. More than 50+ students from the 3rd Sem and 5th Semester have participated in this event.



## “Swachh Bharat Abhiyan: A Clean India Initiative”

The DataScience@DSU Club, the Department of CSE (Data Science) organized an awareness program on "Swachh Bharat Abhiyan: A Clean India Initiative" held on 25th October 2024, from 1:30 PM to 4:00 PM in Paduvanagere village and Cheeluru village, organized by Dr. Shaila S G, Professor and Chairperson (DS), Dr. Santhosh Kumar G, Associate Professor, Prof. Mahendra M K, Assistant Professor, Dept. of CSE (Data Science), and Prof. Chandrakala L, Assistant Professor, Dept. of CSE (Data Science). Dr. K S Bhagyajyothi, Assistant Director of Physical Education, and NSS Co-Ordinator, DSU, supported to completion of the program successfully. More than 50+ students from the 3rd Sem and 5th Semester have participated in this event. Swachh Bharat Abhiyan (Clean India Mission) is a nationwide campaign initiated by the Government of India. Launched on October 2, 2014. Its primary objective is to promote cleanliness, hygiene, and sanitation across the country, aiming to eliminate open defecation and improve solid waste management.

**SWACHH BHARAT**

**Clean**

**CONVENERS:**

Dr. Amit Bhatt  
Vice Chancellor. DSU.

Dr. Udaya Kumar Reddy KR  
Dean. SoE

Dr. Shaila S G  
Professor & Chairperson,  
CSE(DS),SOE, DSU

**ORGANIZERS:**

Dr. Santhosh Kumar G  
Associate Professor.CSE(DS)

Prof. Mahendra M K  
Assistant Professor, CSE(DS)

Prof. Chandrakala L  
Assistant Professor.CSE(DS)

**Dayananda Sagar University**  
School of Engineering,  
Department of C S E (Data Science )  
Devarakaggalahalli, Harohalli,  
Kanakapura Road, Karnataka 562112

**AWARENESS PROGRAM ON**  
**SWACHH BHARAT ABHIYANA**  
"Empowering Communities for a Greener Future"

**DATE: 25-10-2024**

**VENUE:**  
**PADUVANAGERE**  
**CHEELURU**



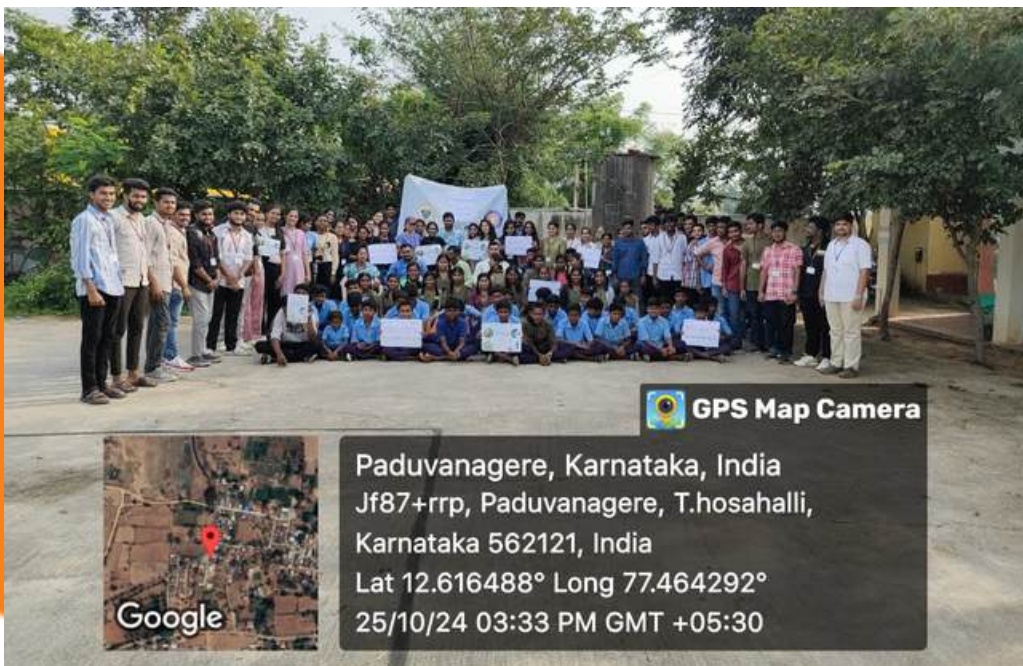
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Nh 948. Karnataka 562112. India

GPS Map Camera



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Jf87+rrp, Paduvanagere, T.hosahalli,  
Karnataka 562121, India  
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25/10/24 02:47 PM GMT +05:30

GPS Map Camera



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## “ACM Induction Ceremony”

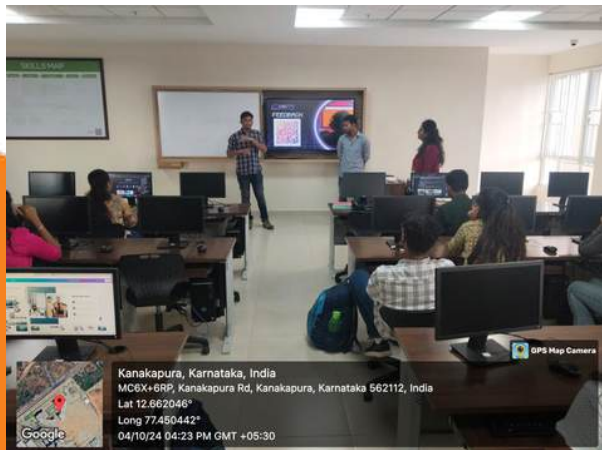
The DSU ACM Student Chapter celebrated its annual Induction Ceremony today, warmly welcoming 23 new members into its dynamic and thriving community. This event marked a significant moment for both returning and new ACM members, as they came together to connect, collaborate, and set the stage for an inspiring year ahead. The induction featured an array of highlights, beginning with motivational keynote speeches from esteemed faculty and ACM leaders, who shared insights on the impact of technology and the benefits of ACM membership. Attendees then engaged in interactive team-building activities that fostered camaraderie and teamwork, setting a collaborative tone for future projects. In addition to the formal introductions, the new members had the chance to meet the ACM core team, gaining a deeper understanding of the chapter's goals and upcoming initiatives. The event concluded with a networking session, offering participants the opportunity to connect with fellow tech enthusiasts and share their excitement about future events and projects. The ACM Induction Ceremony at DSU was a resounding success, leaving attendees inspired and ready to contribute to the vibrant ACM community.



## E-Cell Successfully Conducts “Be The CEO” Activity, Inspiring Future Entrepreneurs

On Friday, October 4, 2024, the Entrepreneurship Cell (E-Cell) at Dayananda Sagar University held an exciting activity titled "Be The CEO," which saw 31 enthusiastic new members join the E-Cell and engage in the event. This activity was designed to simulate the challenges CEOs face, encouraging students to think critically and act swiftly in high-stakes scenarios. The key objectives of "Be The CEO" were twofold: first, to encourage active participation and involvement in entrepreneurial activities, and second, to teach students to respond quickly to real-world challenges—a critical skill in today's fast-paced business environment. Throughout the activity, participants encountered various scenarios requiring strategic decision-making, helping them develop essential skills for future leadership roles. The entire event was expertly supervised by Dr. Sridhar SK and Prof. Naitik ST, who provided valuable guidance and insight into the entrepreneurial mindset. The core team members include Mr. Jayesh, Ms. Renuka, and Mr. Ankit B, whose efforts in planning and organizing made the event a success.

The "Be The CEO" activity was a significant step forward in fostering a vibrant entrepreneurial spirit within DSU, inspiring students to approach challenges with confidence and creativity. This engaging experience marks an exciting beginning for the new E-Cell members, setting the stage for more innovative and impactful activities in the future.



## “NASSCOM - FORGE Industries connect”

The NASSCOM FORGE (Future-Ready Organizations for Growth and Excellence) Industries Connect event, held on 16th October 2024 brought together key stakeholders from various industries to explore innovative strategies for fostering growth and excellence in a rapidly changing business landscape. The event served as a platform for knowledge sharing, networking, and collaboration. Dr. Shaila S G, Professor and Chairperson from the Department of CSE (Data Science) attended NASSCOM FORGE, Bengaluru held on 16/10/2024.



## Workshop on “Cloud Computing Essentials: Hands-on with AWS”

The IEEE Computer Society Student Chapter of the Department of Computer Science and Engineering recently organized a workshop titled "Cloud Computing Essentials: Hands-on with AWS," held on the 3rd and 7th of October 2024. This workshop aimed to provide participants with fundamental insights into cloud computing, focusing on essential tools and techniques for leveraging Amazon Web Services (AWS) effectively. Dr. Arun Kumar Gopu and Prof. Bharath M B led the sessions as resource persons, sharing their expertise in cloud computing concepts and hands-on experience with AWS services. Participants gained practical skills in setting up AWS environments, understanding core AWS services, and managing cloud resources, essential for current and future careers in the tech industry. The workshop was organized under the guidance of faculty advisors Dr. Basavaraj N Hiremath, IEEE CS Society, and Dr. Savitha Hiremath, IEEE CS member. Their support and dedication to nurturing industry-relevant skills among students contributed significantly to the workshop's success. This hands-on experience was well received by attendees, highlighting the IEEE CS Student Chapter's commitment to enhancing student learning through practical workshops on emerging technologies.

The poster features logos for Dayananda Sagar University, IEEE DSU Student Branch, Institution's Innovation Council, and IEEE Computer Society Bangalore Chapter. It provides details on the workshop's location, dates, time, and venue. It also lists the objectives for two sessions, the names of resource persons and conveners, and the student committee members.

**DAYANANDA SAGAR UNIVERSITY**  
Devarakaggalahalli, Harohalli, Kanakapura Road, Ramanagara Dt., Bengaluru – 562 112  
SCHOOL OF ENGINEERING  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
IEEE COMPUTER SOCIETY STUDENT CHAPTER

*Workshop On*  
**Cloud Computing Essentials:  
Hands-on with AWS**

**DATE:** SESSION 1 - 3 OCT 2024  
SESSION 2 - 7 OCT 2024

**TIME:** 11:00 TO 12:30 PM

**VENUE:** LH-2 (3rd Oct)  
Room 540 (7th Oct)

**Session 1: Objectives:-**

- 1) Introduction to cloud computing
- 2) Cloud virtualization
- 3) Cloud architecture
- 4) Model services

**Session 2:- Objectives:-**

- 1) Grasp fundamental concepts of cloud computing
- 2) Distinguish between various cloud service providers and their service offerings
- 3) Explore Netflix's architecture and its configuration within AWS.

**Resource Persons:**

Dr. Arunkumar Gopu - Associate Professor  
Prof. Bharath M B - Assistant Professor

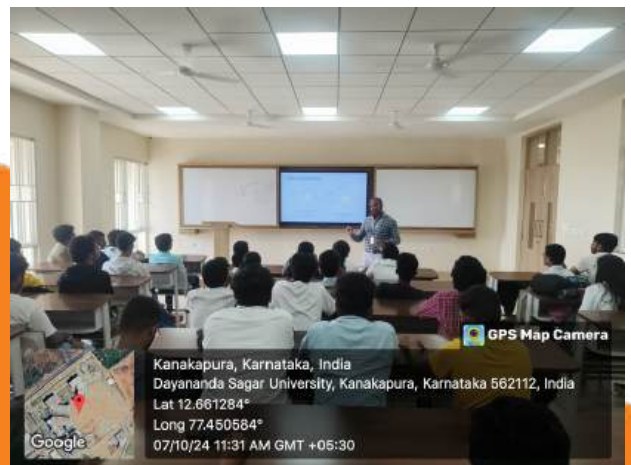
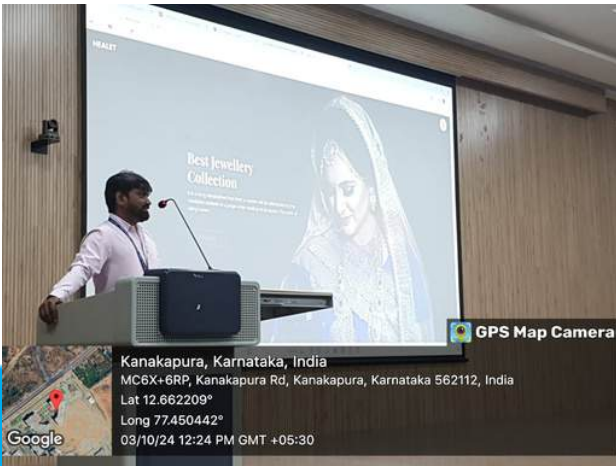
**Conveners:**

Dr. Udaya Kumar Reddy K R, Dean, SOE  
Dr. Girisha G S, Chairperson, CSE  
Dr. Pushpa Mala S, IEEE Student Branch Councelor, Chair of TEMS

**Dr. Basavaraj N Hiremath**  
Faculty Advisor, IEEE CS Society  
**Dr. Savitha Hiremath**, IEEE CS member

**Student Committee:**

V. Kanimozhi - Chair, IEEE CS Society  
C. Tejaswini - Vice Chair, IEEE CS Society



## Workshop Magic: A Cinematic Experience Like No Other

The Echoes of Lumière filmmaking club, SOE, conducted a movie-watching and discussion workshop for our students in A228 (Main Campus) on October 4th, 2024, from 2:30 pm to 4:20 pm. Thirty students from the first, third, and fifth semesters participated. We screened "The Neighbor's Window" (an Oscar-awarded short film), based on the book "The Living Room" by Diane Weipert. The members of the club discussed the technical aspects of the film, from cinematography to live-action scenes.

The faculty coordinator, Dr. Rochna Roy, highlighted the literary and philosophical elements underlining the most significant aspect of life: "a reminder to be grateful for what you have and where you're at."

This activity helped our students open up in a more friendly environment, enhancing their effectiveness as speakers. The workshop helped our participants develop critical thinking, improve communication skills, and encourage creative discussions around the themes explored in the film. This has significantly improved our participants' ability to express their thoughts and opinions clearly.



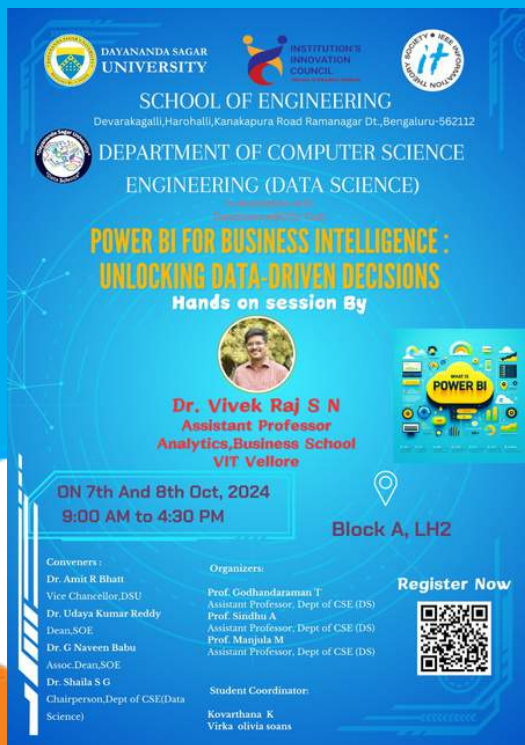
## “Hogwarts House Duel”

The Literary Society, SOE, conducted “Hogwarts House Duel,” a promising afternoon of wizarding fun with friendly quizzes, potion making, and thought-provoking debates from 2:30 PM to 4:20 PM in room A228 on Thursday, 10th. We were extremely grateful to Dr. Sai Prasad Nayak, Department of Chemistry; Dr. Atul Jakhar, Department of Mathematics; and Dr. Mayank Singh Bhakuni, Department of Mathematics, for joining us as judges for this event. Their time, expertise, and thoughtful evaluations played a significant role in the success of our event. The event's primary objectives were to improve participants' communication abilities, encourage interaction, and discuss the various imaginative components and characters found in J.K. Rowling's “Harry Potter.” The potions created in the event were inspired by the famous brews from Harry Potter but allowed for a lot of creative interpretation. Participants were given various “magical” ingredients to play with and were encouraged to think creatively about their effects. The event aimed to blend fun with creativity, allowing participants to craft their own versions of magical potions while drawing on the inspiration of Hogwarts School of Witchcraft and Wizardry. This fun event improved collaborative learning, proper pronunciation, diction, and voice modulation. The debate outlined the fundamental components of effective communication, emphasizing their importance across different areas and providing insights into how they can be applied to improve interaction.



# Workshop on "Power BI for Business Intelligence-Unlocking Data Driven Decisions"

The DataScience@DSU Club, the Department of CSE (Data Science) organized a 2-day workshop on "Power BI for Business Intelligence-Unlocking Data Driven Decisions" held on the 7th and 8th of October 2024, organized by Dr. Shaila S G, Professor and Chairperson (DS), Prof. Godandharama T, Prof. Sindhu A, Prof. Manjula M, and student volunteers for their support. The event attracted a diverse group of attendees at the SoE level, with more than 150+ B Tech students and faculty members from the engineering and technology community.



The poster is blue and white with technical icons. It features logos for Dayananda Sagar University, Institution's Innovation Council, and IIT Madras. The text includes the school and department names, the workshop title, the speaker's name and credentials, dates and time, location, and a list of organizers and conveners. A QR code is provided for registration.

**DAYANANDA SAGAR UNIVERSITY**  
SCHOOL OF ENGINEERING  
Devarakagalli, Harohalli, Kanakapura Road Ramanagar Dt., Bengaluru-562112

**DEPARTMENT OF COMPUTER SCIENCE  
ENGINEERING (DATA SCIENCE)**

**POWER BI FOR BUSINESS INTELLIGENCE :  
UNLOCKING DATA-DRIVEN DECISIONS**  
Hands on session By

**Dr. Vivek Raj S N**  
Assistant Professor  
Analytics, Business School  
VIT Vellore

**ON 7th And 8th Oct, 2024  
9:00 AM to 4:30 PM**

**Block A, LH2**

**Conveners :**  
Dr. Amit R Bhatt  
Vice Chancellor, DSU  
Dr. Udaya Kumar Reddy  
Dean, SOE  
Dr. G Naveen Babu  
Assoc. Dean, SOE  
Dr. Shaila S G  
Chairperson, Dept of CSE/Data Science

**Organizers:**  
Prof. Godhandaraman T  
Assistant Professor, Dept of CSE (DS)  
Prof. Sindhu A  
Assistant Professor, Dept of CSE (DS)  
Prof. Manjula M  
Assistant Professor, Dept of CSE (DS)

**Student Coordinator:**  
Kovarthana K  
Virka olivia soans

**Register Now**





# SCHOOL OF ENGINEERING



## INDUSTRIAL VISIT

## Industrial Visit to “Gill Instruments and ELCIA Cluster”

The ELECTROBLITZ Club, part of the Department of Electronics and Communication Engineering at Dayananda Sagar University, organized an insightful industry visit to Gill Instruments Pvt Ltd and ELCIA Clusters on October 26, 2024. The event, guided by Dr. Divyashree HB (Convener, ELECTROBLITZ Club) and Mrs. Kokila, was hosted by Mr. Pramath Gopal Bhat, Vice President of the club. The visit featured a session by Mr. Gurjeet Singh Gill, Director at Gill Instruments, who shared insights into the Internet of Things (IoT) through the "Sense-Connect-Manage" model. Students explored the Gateway device, a compact IoT solution with features like MSP430 microcontrollers, Wi-Fi, Bluetooth, and Modbus TCP connectivity. The device's applications span smart homes, environmental monitoring, and industrial automation.





## Industrial Visit on “Equipping Education Campuses for the Future on Harnessing AWS Skill Builder for GenAI Mastery”

AWS Skill Builder recently hosted an exclusive in-person event on 04th October 2024, attended by Dr. Shaila S G, Professor, and Chairperson, Department of CSE (Data Science), and Dr. Pramod Kumar Naik, Professor and Chairperson, Department of CSE (AI and Robotics). The event aimed to empower academic institutions for the GenAI era through AWS Skill Builder, addressing key challenges in Indian universities such as limited infrastructure, outdated curricula, and a shortage of qualified AI faculty. The sessions emphasized the role of generative AI in driving future innovation, with 93% of corporations expecting to adopt it in the coming years to enhance creativity and automate tasks. The event showcased AWS Skill Builder’s unique capabilities, featuring over 80 digital courses, interactive labs, and real-world problem-solving opportunities. Participants, including Dr. Naik and Dr. Shaila, explored the potential of AWS tools to bridge industry-academia gaps and integrate AI/ML education into degree programs. The event agenda included discussions with academic leaders, a live demo of the AWS Skill Builder platform, and networking opportunities for attendees to share insights on fostering GenAI skills within academic settings.





# SCHOOL OF ENGINEERING



## **FACULTY ACHIEVEMENTS**



**Dr. Ravitej Y. P.**  
**Assistant Professor**  
**Department of ME**

- Dr. Ravitej Y. P., Assistant Professor in the Department of Mechanical Engineering, attended the International Conference on Experimental Mechanics (ICEM 2024) organized by the Department of Applied Mechanics at IIT Madras. He presented his work on abrasive wear studies for composite structures and interacted with academic experts from various IITs and NITs to enhance research collaboration.



## International Conference on Experimental Mechanics

October 20<sup>th</sup> – 23<sup>rd</sup>, 2024



*This is to certify that*

**Dr. Ravitej Y P**

presented the abstract titled "Tribological Analysis of Abrasive Wear Behavior of LM13/ZrSiO<sub>4</sub>/C Composites structures" at the International Conference on Experimental Mechanics 2024 at IIT Madras, jointly organized by Asian Society of Experimental Mechanics (ASEM) and Indian Society for Applied Mechanics (ISAM)

Prof. K Ramesh  
ICEM Conference Chair

Prof. Andrew Thangaraj  
CODE Chair



**Dr. P. M. G. Bashir Asdaque**  
Assistant Professor  
Department of ME



**Dr. Rahul Kumar**  
Assistant Professor  
Department of ME

- Dr. P. M. G. Bashir Asdaque, Assistant Professor, and Dr. Rahul Kumar, Assistant Professor in the Department of Mechanical Engineering, attended a workshop on topology optimization jointly organized by M. S. Ramaiah University of Applied Sciences and the Indian Institute of Science, Bangalore, on October 26, 2024.





Certificate of  
**Participation**

This is to certify that

Prof. / Dr. / Mr. / Ms. P. M. G. Bashier Asdaque  
has participated in the event

**"WORKSHOP ON TOPOLOGY OPTIMIZATION"**

held on 26th October 2024

Jointly organized by

Department of Aerospace and Automotive Engineering  
M. S. Ramaiah University of Applied Sciences

and

Department of Mechanical Engineering  
Indian Institute of Science

M. Sivapragasam  
Prof. M. Sivapragasam  
RUAS

G. K. Ananthasuresh  
Prof. G. K. Ananthasuresh  
IISc



Certificate of  
**Participation**

This is to certify that

Prof. / Dr. / Mr. / Ms. Rahul Kumar  
has participated in the event

**"WORKSHOP ON TOPOLOGY OPTIMIZATION"**

held on 26th October 2024

Jointly organized by

Department of Aerospace and Automotive Engineering  
M. S. Ramaiah University of Applied Sciences

and

Department of Mechanical Engineering  
Indian Institute of Science

M. Sivapragasam  
Prof. M. Sivapragasam  
RUAS

G. K. Ananthasuresh  
Prof. G. K. Ananthasuresh  
IISc



**Dr. U. Pavan Kumar**  
Assistant Professor  
Department of CSE(DS)

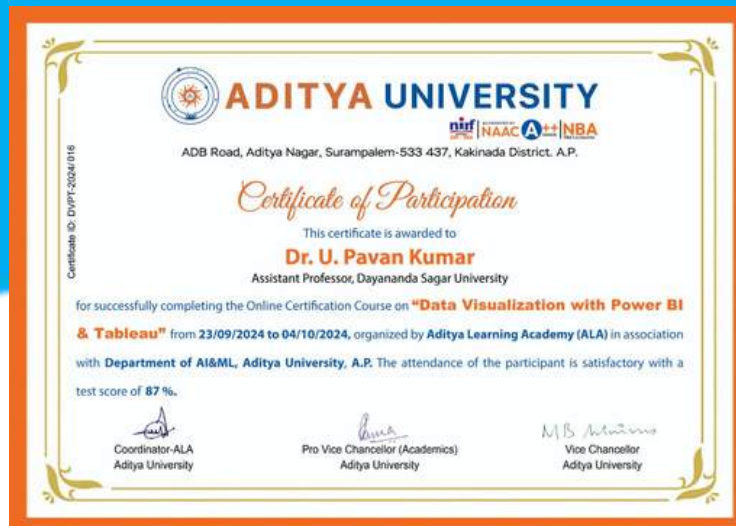
- Dr. U. Pavan Kumar successfully completed the online Faculty Development Programme on "Data Science," organized by SkillDzire in collaboration with AICTE, from September 2, 2024, to October 2, 2024.



- Dr. U. Pavan Kumar has participated in the ten-day workshop series on 'From Scratch to Deployment: Hands-On Model Building with Keras and TensorFlow,' organized by the Department of Computer Science and Engineering, Sri Venkateswara College of Engineering, from October 14, 2024, to October 25, 2024.



- Dr. U. Pavan Kumar has successfully completed the online certificate course on "Data Visualization with Power BI and Tableau," organized by Aditya Learning Academy in collaboration with the Department of AI & ML, Aditya University, A.P., from 23/09/2024 to 04/10/2024.




- Dr. U. Pavan Kumar successfully completed the certificate as a facilitator of the "AI for Future Workforce Program" in India on October 18, 2024.





**Prof. Sindhu A**  
Assistant Professor  
Department of CSE(DS)

- Prof. Sindhu A. successfully completed the NPTEL online course “Data Science for Engineers” from July to September 2024 (an 8-week course).



## Elite


# NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**SINDHU A**  
for successfully completing the course  
**Data Science for Engineers**  
with a consolidated score of **60** %

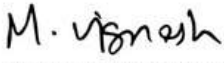
Online Assignments	20.92/25	Proctored Exam	39/75
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Total number of candidates certified in this course: **3812**




**Prof. Andrew Thangaraj**  
Chair  
Centre for Outreach and Digital Education, IITM


**Jul-Sep 2024**  
(8 week course)



**Prof. Vignesh Muthuvijayan**  
NPTEL Coordinator  
IIT Madras




Indian Institute of Technology Madras



FREE ONLINE EDUCATION  
**swayam**  
विद्यया ढारत, अणुड ढारत

Roll No: NPTEL24CS133S332003637

To verify the certificate 

No. of credits recommended: 2 or 3



**Prof. Godhandaraman T**  
**Assistant Professor**  
**Department of CSE(DS)**

- Prof. Godhandaraman T. successfully completed the online certificate course on "Data Visualization with Power BI and Tableau," organized by Aditya Learning Academy in collaboration with the Department of AI & ML, Aditya University, A.P., from 23/09/2024 to 04/10/2024.



- Prof. Godhandaraman T. has successfully completed the certificate as a facilitator of the "AI for Future Workforce Program" in India on October 18, 2024.





**Prof. Shivamma D**  
**Assistant Professor**  
**Department of CSE(DS)**

- Prof. Shivamma D. was a resource person in the workshop on “Problem Solving Skills Through Algorithms, Design & Analysis,” organized by the Department of Master of Computer Applications at Dayananda Sagar Academy of Technology and Management on October 4, 2024.

**Dayananda Sagar Academy of Technology and Management**



**Department of Master of Computer Applications**

Workshop on  
**PROBLEM SOLVING SKILLS THROUGH ALGORITHMS, DESIGN & ANALYSIS**

RESOURCE PERSON :  
Mrs. Shivamma D  
Assistant Professor  
Department of CSE, DSU  
Bangalore.



 **10:30 AM - 12:30 PM**  
**04 OCT 2024**

 **SEMINAR HALL, M BLOCK**

**Dr. Enoch AP**  
FACULTY COORDINATOR

**Dr. Manjula**  
HOD-MCA

**Dr. M Ravishankar**  
PRINCIPAL

- Prof. Shivamma D. was selected as a “Galactic Local Mentor” in the 2024 NASA International Space Apps Challenge organized by NASA at Dayananda Sagar University on October 5 and 6, 2024.



**Prof. Hari Haran**  
**Assistant Professor**  
**Department of Mathematics**

- Prof. Hari Haran published an article titled “Stability and Optimality for an SVIR Epidemic Model with Numerical Simulation” in the journal Mathematics, published by MDPI on October 15, 2024.



**Dr. Santhosh Kumar G**  
**Associate Professor**  
**Department of CSE(DS)**

- Dr. Santhosh Kumar has successfully completed the certificate as a facilitator of the 'AI for Future Workforce Program' in India on October 18, 2024.



**Dr. Joshuva Arockia Dhanraj**  
**Associate Professor**  
**Department of CSE(AIML)**

- Dr. Joshuva Arockia Dhanraj, Associate Professor, Dept. of CSE (AI & ML), has published a journal paper titled 'Enhancing Friction Stir Spot Welding of Al 5754 and Al 6111 Joints Using Taguchi's Technique' in Wiley's Journal of Engineering, Volume 2024.



**Dr. Mude Nagarjuna Naik**  
**Assistant Professor**  
**Department of CSE(AIML)**

- Dr. Mude Nagarjuna Naik, Assistant Professor, Dept. of CSE (AI & ML), is certified as a Facilitator of the AI for Future Workforce Program organized by the Department of Computer Science & Technology and the Department of CSE - Artificial Intelligence - Machine Learning, in collaboration with Intel and Dell Technologies, from August 13 to 22, 2024, at the School of Engineering, DSU, Dayananda Sagar University.

**DELL** Technologies



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Facilitator Certificate

Empower Lives with Technology

**Mr. Mude Nagarjuna Naik**

is certified as a Facilitator of **AI for Future Workforce Program**  
in India on October 18, 2024.

Indrajit Belgundi

Senior Director & General Manager –  
Client Solutions Group, Dell India

Dr. Udaya Kumar Reddy K R

Dean - School of Engineering  
Dayananda Sagar University

Shweta Khurana

Senior Director – Asia Pacific & Japan  
Government Partnerships & Initiatives  
Intel Corporation



**Dr. Vegi Fernando A**  
**Associate Professor**  
**Department of CSE(AIML)**

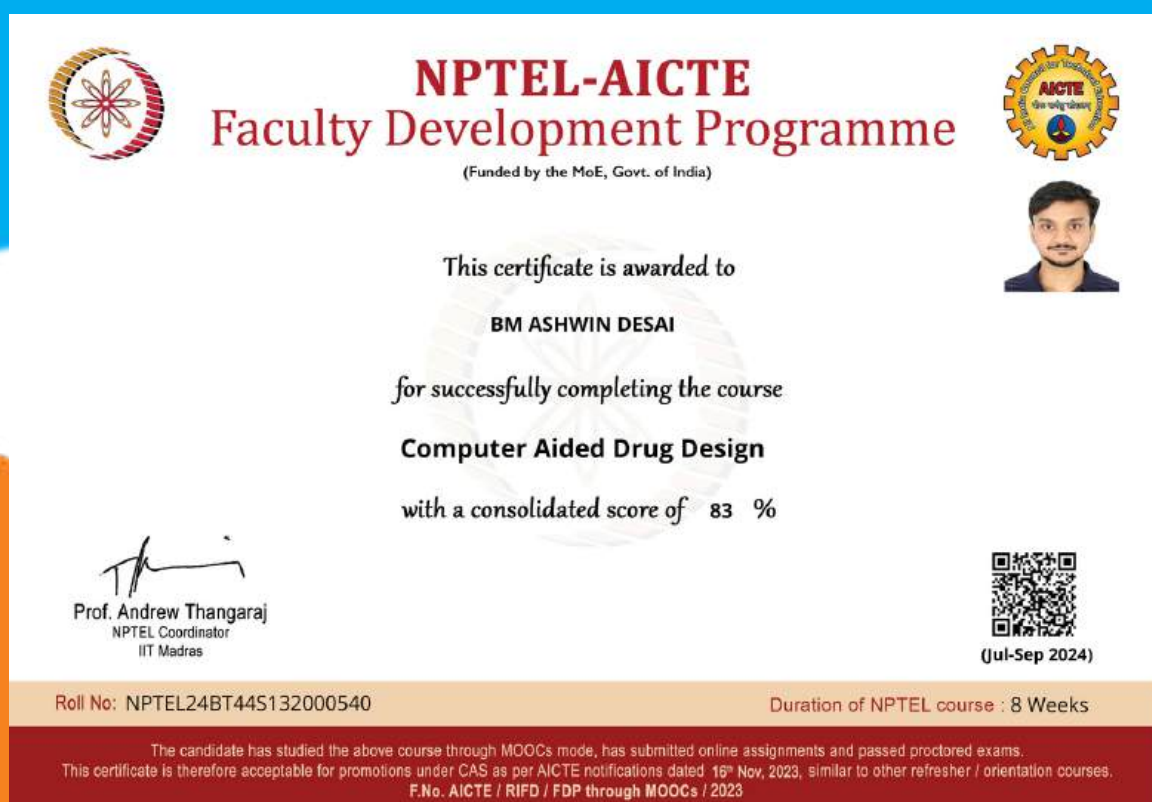
- Dr. Vegi Fernando A, Associate Professor, Dept. of CSE (AI&ML) is certified as a Facilitator of the AI for Future Workforce Program organized by the Department of Computer Science & Technology and the Department of CSE - Artificial Intelligence - Machine Learning, in collaboration with Intel and Dell Technologies, from August 13 to 22, 2024, at the School of Engineering, DSU, Dayananda Sagar University.





**Dr. BM Ashwin Desai**  
Associate Professor  
Department of ECE

- Dr. B.M. Ashwin Desai, Associate Professor, Department of Electronics and Communication Engineering, has successfully completed the NPTEL-AICTE Faculty Development Programme (FDP) course titled 'Computer-Aided Drug Design,' with a commendable consolidated score of 83%.



The certificate features the NPTEL-AICTE logo on the left, the AICTE logo on the right, and a small portrait of the recipient. The text is centered and includes the course title and score. A QR code is located in the bottom right corner, and the date is given as Jul-Sep 2024. The bottom of the certificate has a red background with white text providing additional details.

**NPTEL-AICTE**  
**Faculty Development Programme**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**BM ASHWIN DESAI**

for successfully completing the course  
**Computer Aided Drug Design**  
with a consolidated score of **83 %**

Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras

(Jul-Sep 2024)

Roll No: NPTEL24BT44S132000540      Duration of NPTEL course : 8 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.  
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 16<sup>th</sup> Nov, 2023, similar to other refresher / orientation courses.  
F.No. AICTE / RIFD / FDP through MOOCs / 2023



**Dr. Arun Balodi**  
**Chairman & Professor**  
**Department of ECE**

- Dr. Arun Balodi, Professor attended the 21st edition of 'Nasscom Future Forge' held on October 16 and 17 at TAJ West End, Bangalore. Nasscom Future Forge 2024, themed 'Accelerating Deep Tech Growth' from India for the world, brings together experts, thought leaders, investors, policymakers, and regulators to explore solutions for infrastructure access, regulatory reform, talent development, and fostering patient capital, as well as discussing strategies to scale the growth of the deep tech ecosystem.



- Dr. Arun Balodi served as Mentor for Tinkerpreneur 2024 in Atal Innovation Mission.6



- Dr. Arun Balodi, Professor attended the Faculty Development Program on MATLAB for Image Analysis and Pattern Recognition at Jaypee University of Information Technology, Department of Electronics & Communication Engineering, from September 2 to 6, 2024.



- Dr. Arun Balodi, Professor contributed his expertise to the 15th Nasscom Emerge 50 Awards, helping to recognize and celebrate innovative startups.

**nasscom**



Emerge 50 Jury Members  
2024



**Dr Arun Balodi**  
Dayananda Sagar  
University



- Dr. Arun Balodi, Professor attended a 5-day Faculty Development Programme on 'Intel AI for Future Workforce' organized by the Department of Computer Science & Technology and the Department of CSE - Artificial Intelligence - Machine Learning, in collaboration with Intel and Dell Technologies, from August 13 to 22, 2024, at the School of Engineering, DSU, Dayananda Sagar University.

Facilitator Certificate

**DELL** Technologies



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**Dr. Arun Balodi**

is certified as a Facilitator of **AI for Future Workforce Program**  
in India on October 18, 2024.

**Indrajit Belgundi**  
Senior Director & General Manager -  
Client Solutions Group, Dell India

**Dr. Udaya Kumar Reddy K R**  
Dean - School of Engineering  
Dayananda Sagar University

**Shweta Khurana**  
Senior Director - Asia Pacific & Japan  
Government Partnerships & Initiatives  
Intel Corporation

A14FWDT18102422



**Prof. V Sudharsan**  
**Assistant Professor**  
**Department of ECE**

- Prof. V Sudharsan, Assistant Professor, attended a 5-day Faculty Development Programme on 'Intel AI for Future Workforce' organized by the Department of Computer Science & Technology and the Department of CSE - Artificial Intelligence - Machine Learning, in collaboration with Intel and Dell Technologies, from August 13 to 22, 2024, at the School of Engineering, DSU, Dayananda Sagar University.

**DELL**Technologies  intel. digital readiness

Empower Lives with Technology

**Mr. V Sudharsan**

is certified as a Facilitator of **AI for Future Workforce Program** in India on October 18, 2024.

*Indrajit Belgundi*  
Indrajit Belgundi  
Senior Director & General Manager – Client Solutions Group, Dell India

*Dr. Udaya Kumar Reddy K R*  
Dr. Udaya Kumar Reddy K R  
Dean - School of Engineering  
Dayananda Sagar University

*Shweta Khurana*  
Shweta Khurana  
Senior Director – Asia Pacific & Japan  
Government Partnerships & Initiatives  
Intel Corporation

Facilitator Certificate

AI4FWDT18102426



**Dr. Arun Ananthanarayanan**  
**Associate Professor**  
**Department of ECE**

- Dr. Arun Ananthanarayanan, Associate Professor, attended a 5-day Faculty Development Programme on 'Intel AI for Future Workforce' organized by the Department of Computer Science & Technology and the Department of CSE - Artificial Intelligence - Machine Learning, in collaboration with Intel and Dell Technologies, from August 13 to 22, 2024, at the School of Engineering, DSU, Dayananda Sagar University.

**DELL**Technologies



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Facilitator Certificate

Empower Lives with Technology

**Mr. Arun Ananthanarayanan**

is certified as a Facilitator of **AI for Future Workforce Program**  
in India on October 18, 2024.

Indrajit Belgundi

Senior Director & General Manager –  
Client Solutions Group, Dell India

Dr. Udaya Kumar Reddy K R

Dean - School of Engineering  
Dayananda Sagar University

Shweta Khurana

Senior Director – Asia Pacific & Japan  
Government Partnerships & Initiatives  
Intel Corporation

A14FWDT18102412



**Dr. Dilip Kumar Jung Bahadur Saini**  
Associate Professor  
Department of CSE(CY)

- Dr. Dilip Kumar Jung Bahadur Saini has published an IEEE paper titled 'Innovative Real Estate Management System: Artificial Intelligence-based Segregation' at the 5th International Conference on Smart Electronics and Communication (ICOSEC) 2024.
- Dr. Dilip Kumar Jung Bahadur Saini has participated in the 'International Conference on Computing and Communication Networks (ICCCNet-2024)' as a session chair, organized by Manchester Metropolitan University, Manchester, United Kingdom, on October 17-18, 2024.



- Dr. Dilipkumar Jang Bahadur Saini has participated in a two-day national online Faculty Development Programme (FDP) on 'AI Tools for Teaching and Research Efficiency' organized by the Institutional Biotech Hub (sponsored by DBT, Government of India) in collaboration with the Internal Quality Assurance Cell (IQAC) of Namrup College on October 21 and 22, 2024.



**Prof. K. Deepthika**  
Assistant Professor  
Department of CSE(CY)



**Dr. Prajwalasimha S. N**  
Assistant Professor  
Department of CSE(CY)

- Prof. K. Deepthika and Dr. Prajwalasimha S. N. have published an IEEE paper titled 'AI-Enabled DDoS Detection and Mitigation in the Software Defined Network' at the 5th International Conference on Electronics and Sustainable Communication Systems (ICESC) 2024.



**Prof. Naveen Kulkarni**  
Assistant Professor  
Department of CSE(CY)

- Prof. Naveen Kulkarni has successfully completed the NPTEL online certification course 'Theory of Computation,' an 8-week course held from July to September 2024, with a consolidated score of 61%.

**Elite**

**NPTEL ONLINE CERTIFICATION**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**NAVEEN KULKARNI**  
for successfully completing the course  
**Theory of Computation**  
with a consolidated score of **61** %

Online Assignments	11.63/25	Proctored Exam	49.75/75
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Total number of candidates certified in this course: 2121

Jul-Sep 2024  
(8 week course)

Indian Institute of Technology Kanpur

swayam  
FREE ONLINE EDUCATION  
शुद्ध विद्या, समस्त विद्या

Roll No: NPTEL24CS71S132001779      To verify the certificate       No. of credits recommended: 2 or 3



**Prof. Sharanabasappa Tadkal**  
**Assistant Professor**  
**Department of CSE(CY)**

- Prof. Sharanabasappa Tadkal has successfully completed the certified workshop on 'AI Dashboards using Microsoft Power BI' by Skill Nation, held on September 21 and 22, 2024.





**Dr. Poongodi T**  
**Professor**  
**Department of CSE**

- Dr. T. Poongodi, Professor in the Department of CSE, chaired a special session entitled 'Environmental Sustainability using Green IoT with Deep Learning Techniques' at the International Conference on Contemporary Computing and Informatics (IC3I-2024), held from September 18 to 20, 2024, at Amity University, Greater Noida.

Ref. # IC3I/24/A/19



**INTERNATIONAL CONFERENCE ON CONTEMPORARY COMPUTING AND INFORMATICS  
(IC3I-2024)**

*Certificate of Acknowledgement*

We acknowledge the participation of

**Dr. T. Poongodi**

**Dayananda Sagar University, Bangalore**


as **Session Chair** during International Conference on Contemporary Computing and Informatics (IC3I-2024) held during 18th – 20th September 2024.

**Prof. (Dr.) Ajay Rana**  
Conference Chairperson &  
Director General, AUUP, Greater Noida




**Prof. Gaurav Kumar**  
Assistant Professor  
Department of CSE

- Prof. Gaurav Kumar, Assistant Professor in the Department of CSE, has successfully completed an 8-week NPTEL Online Certification course on 'Theory of Computation' with a score of 56% in September 2024.



## NPTEL Online Certification




(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to  
**GAURAV KUMAR**  
for successfully completing the course  
**Theory of Computation**  
with a consolidated score of **56** %


Online Assignments	14.21/25	Proctored Exam	42.26/75
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Total number of candidates certified in this course: **158**




**Prof. Rajesh M. Hegde**  
Chairman, Centre for Continuing Education  
IIT Kanpur


**Jul-Sep 2021**  
(8 week course)



**Prof. Satyaki Roy**  
NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL21CS83S23192356

To validate and check scores: <https://nptel.ac.in/noc>



**Prof. Srikantaro S**  
Assistant Professor  
Department of CSE

- Prof. Srikantaro S, Assistant Professor, in the Department of CSE, has successfully completed an 8-week NPTEL Online Certification course on " Introduction to Operating Systems", with a score of 63% in September 2024.

**Elite**

**NPTEL ONLINE CERTIFICATION**  
(Funded by the MoE, Govt. of India)


This certificate is awarded to  
**SRIKANTARAO S**  
for successfully completing the course

**Introduction to Operating Systems**


with a consolidated score of **63** %


Online Assignments	22.83/25	Proctored Exam	40.5/75
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Total number of candidates certified in this course: **2658**


  
**Prof. Andrew Thangaraj**  
Chair  
Centre for Outreach and Digital Education, IITM

**Jul-Sep 2024**  
(8 week course)

  
**Prof. Vignesh Muthuvijayan**  
NPTEL Coordinator  
IIT Madras

 Indian Institute of Technology Madras



Roll No: NPTEL24CS80S332002759      To verify the certificate       No. of credits recommended: 2 or 3



**Dr. Renuka Devi M.N**  
Assistant Professor  
Department of CSE



**Prof. Kavyashree I Pattan**  
Assistant Professor  
Department of CSE



**Dr. Rajesh T.M**  
Associate Professor  
Department of CSE



**Dr. Praveen Kulkarni**  
Associate Professor  
Department of CSE

- Dr. Renuka Devi M. N., Prof. Kavyashree I. Pattan, Assistant Professors, and Dr. Rajesh T. M. and Dr. Praveen Kulkarni, Associate Professors, presented a research paper titled 'A Novel Method for Detecting Normal and Abnormal Crowd Dynamics using Optical Flow and Energy Level Analysis' at the Sixth International Conference on Advances in Electrical and Computer Technologies 2024 (ICAECT 2024). ICAECT 2024 is jointly organized by Sengunthar Engineering College (Autonomous), Tiruchengode, Tamil Nadu, India, and Diligentec Solutions, Coimbatore, Tamil Nadu, India, from September 26 to 27, 2024. The conference was conducted in online mode.

Sixth International Conference on  
**Advances in Electrical and Computer  
Technologies 2024 (ICAECT 2024)**

26 - 27, September 2024 | Tiruchengode, India | www.icact.co.in

# CERTIFICATE

**SPCS 4060**

Peer Reviewed

This certificate is presented to



**Renukadevi M.N**

Dayananda Sagar University, SOE,  
Department of Computer Science and Engineering,  
Karnataka, India

for presenting the research paper entitled "A Novel Methods for Detecting Normal and Abnormal Crowd Dynamics using Optical Flow and Energy Level Analysis" in the Sixth International Conference on Advances in Electrical and Computer Technologies 2024 (ICAECT 2024). ICAECT 2024 is jointly organized by the Sengunthar Engineering College (Autonomous), Tiruchengode, TamilNadu, India and Diligentec Solutions, Coimbatore, Tamil Nadu, India during 26 - 27, September 2024. The Conference has been organized in ONLINE MODE.

Publication Partner



Industry Partner

**DILIGENTEC SOLUTIONS**

  
Dr. Thangaprakash Sengodan  
Conference Chair



Sixth International Conference on  
**Advances in Electrical and Computer  
Technologies 2024 (ICAECT 2024)**

26 - 27, September 2024 | Tiruchengode, India | www.icact.co.in

# CERTIFICATE

**SPCS 4060**

Peer Reviewed

This certificate is presented to



**Kavyashree I Pattan**

Dayananda Sagar University, SOE,  
Department of Computer Science and Engineering,  
Karnataka, India

for presenting the research paper entitled "A Novel Methods for Detecting Normal and Abnormal Crowd Dynamics using Optical Flow and Energy Level Analysis" in the Sixth International Conference on Advances in Electrical and Computer Technologies 2024 (ICAECT 2024). ICAECT 2024 is jointly organized by the Sengunthar Engineering College (Autonomous), Tiruchengode, TamilNadu, India and Diligentec Solutions, Coimbatore, Tamil Nadu, India during 26 - 27, September 2024. The Conference has been organized in ONLINE MODE.

Publication Partner



Industry Partner

**DILIGENTEC SOLUTIONS**

  
Dr. Thangaprakash Sengodan  
Conference Chair



Sixth International Conference on  
**Advances in Electrical and Computer  
Technologies 2024 (ICAECT 2024)**

26 - 27, September 2024 | Tiruchengode, India | www.icact.co.in

# CERTIFICATE

**SPCS 4060**

Peer Reviewed

Publication Partner



This certificate is presented to



**Rajesh T.M**

Dayananda Sagar University, SOE,  
Department of Computer Science and Engineering,  
Karnataka, India

for presenting the research paper entitled "A Novel Methods for Detecting Normal and Abnormal Crowd Dynamics using Optical Flow and Energy Level Analysis" in the Sixth International Conference on Advances in Electrical and Computer Technologies 2024 (ICAECT 2024). ICAECT 2024 is jointly organized by the Sengunthar Engineering College (Autonomous), Tiruchengode, TamilNadu, India and Diligentec Solutions, Coimbatore, Tamil Nadu, India during 26 - 27, September 2024. The Conference has been organized in ONLINE MODE.

Industry Partner  
**DILIGENTEC SOLUTIONS**

  
Dr. Thangaprakash Sengodan  
Conference Chair



Sixth International Conference on  
**Advances in Electrical and Computer  
Technologies 2024 (ICAECT 2024)**

26 - 27, September 2024 | Tiruchengode, India | www.icact.co.in

# CERTIFICATE

**SPCS 4060**

Peer Reviewed

Publication Partner



This certificate is presented to



**Praveen Kulkarni**

Dayananda Sagar University, SOE,  
Department of Computer Science and Engineering,  
Karnataka, India

for presenting the research paper entitled "A Novel Methods for Detecting Normal and Abnormal Crowd Dynamics using Optical Flow and Energy Level Analysis" in the Sixth International Conference on Advances in Electrical and Computer Technologies 2024 (ICAECT 2024). ICAECT 2024 is jointly organized by the Sengunthar Engineering College (Autonomous), Tiruchengode, TamilNadu, India and Diligentec Solutions, Coimbatore, Tamil Nadu, India during 26 - 27, September 2024. The Conference has been organized in ONLINE MODE.

Industry Partner  
**DILIGENTEC SOLUTIONS**

  
Dr. Thangaprakash Sengodan  
Conference Chair





**Dr. Gokulakrishnan S**  
**Assistant Professor**  
**Department of CSE**

- Dr. Gokulakrishnan S., Assistant Professor in the Department of Computer Science Engineering, has successfully attended the international webinar on 'Next Generation Networks,' organized by the Presidency School of Information Science (PSIS), Presidency University, Bengaluru, on September 27, 2024.



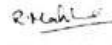
International Webinar on

**“NEXT GENERATION NETWORKS”**

## Participation Certificate

This is to certify that Mr/Ms/Dr. S GOKULAKRISHNAN  
has attended International Webinar on “Next Generation Networks”  
organized by Presidency School of Information Science (PSIS),  
Presidency University, Bengaluru on 27th September, 2024.

  
**Dr. Md. Sameeruddin Khan**  
PVC & Dean, PSIS

  
**Dr. R. Mahalakshmi**  
Associate Dean, PSIS



**Dr. Basavaraj N Hiremath**  
Professor  
Department of CSE



**Dr. George Fernandez I**  
Associate Professor  
Department of CSE

- Dr. Basavaraj Hiremath, Professor, and Dr. George Fernandez I, Associate Professor in the Department of CSE, presented a research paper titled 'Turkish Raisin Classification Through Deep Learning Prediction Models' at the International Conference on Data Mining and Information Security (ICDMIS-2024), held on October 7-8, 2024, organized by Eminent College of Management and Technology (ECMT), West Bengal, India, in collaboration with Universitas Al Asyariah Mandar, Indonesia, and in association with the International Knowledge Research Foundation. The paper will be published in the Scopus-indexed Springer LNNS series.





**Prof. Mala B A**  
Assistant Professor  
Department of CSE



**Prof. Suvika K V**  
Assistant Professor  
Department of CSE


- Prof. Mala B A and Prof. Suvika K V, Assistant Professors, Department of CSE, presented research paper titled “VISION AID – A Lightweight Blind Assistance Tool using IoT and Computer Vision Techniques” at the International Conference on Data Mining and Information Security (ICDMIS-2024), held on October 7-8, 2024, organized by Eminent College of Management and Technology (ECMT), West Bengal, India, in collaboration with Universitas Al Asyariah Mandar, Indonesia, and in association with the International Knowledge Research Foundation. The paper will be published in the Scopus-indexed Springer LNNS series.





**Dr. Rajesh T.M**  
**Associate Professor**  
**Department of CSE**

- Dr. Rajesh T. M., Associate Professor in the Department of CSE, extended his service as a Ph.D. thesis evaluator for the title 'Design and Performance Evaluation of Privacy-Preserving Data Mining Specific to Medical Images' under the University of Mysore in September 2024.

  
 UNIVERSITY OF MYSORE

FAX: + 91-821-2419396  
 Email: [rezeval@uni-mysore.ac.in](mailto:rezeval@uni-mysore.ac.in)

UNIVERSITY OF MYSORE  
 ಕ್ರಾಫರ್ಡ್ ಹಾಲ್  
 Crawford Hall,  
 ಮೈಸೂರು  
 Mysore-570 005.

ಕುಲಸಚಿವ (ಮೌಲ್ಯಮಾಪನ)  
 Registrar (Evaluation)  
 ಅ.ಸ.ಪ. ಸಂಖ್ಯೆ:  
 EX. 9.2/Ph.D./JNK/2021-22  
 Dear. Dr. Rajesh T.M

ದಿನಾಂಕ :  
 Dated: 24-09-2024

**Sub: Valuation of Ph.D. Thesis entitled "Design and Performance Evaluation of Privacy Preserving Data Mining Specific to Medical Images"**  
 \*\*\*\*\*

Please accept our thanks for agreeing to evaluate the Ph.D. thesis referred to above, a copy of which is sent herewith by Registered Parcel. Your valuation report may be sent to the Chairman, Board of Examiners, to the address given below\* within 45 days from the date of receipt of the thesis. A copy of the report shall be sent to the Registrar (Evaluation), University of Mysore, Mysore, India, simultaneously.

Examiner shall indicate clearly in the valuation report the following points in addition to giving a detailed report on the thesis:

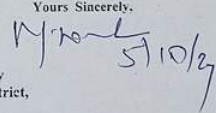
1. Whether the Degree be awarded to the candidate;
2. Whether the thesis be rejected;
3. Whether the candidate be allowed to resubmit the thesis after revision.

The Examiner may contact only the Registrar (Evaluation) for any clarification and none other including the Chairman. Kindly do not entertain any correspondence from any person in the matter other than the Registrar (Evaluation). In case anybody contacts you, the name and address of such person/s may please be intimated to the undersigned.

You are requested to treat the matter as strictly confidential.  
 Address of the Chairman, Board of Examiners:

Dr. Piyush Kumar Pareek  
 Research Guide  
 Dept. of AIML and IPR  
 NITTE Meenakshi Institute of Technology  
 Yelahanka, Bangalore-64.

Dr. Rajesh T.M  
 Associate Professor  
 Dept. of Computer Science and Engg,  
 Main Campus, School of Engineering, Dayananda Sagar University  
 Devarakaggalahalli, Harohalli, Kanakapura road, Ramanagara District,  
 Bengaluru-562112.

Yours Sincerely,  


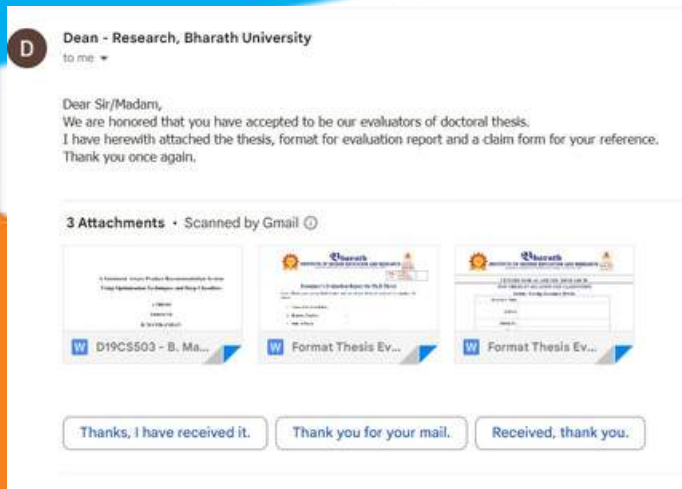
\*Note: Kindly furnish below mentioned your's details in the Remuneration Bill for processing.

1	Name of the Examiner	6	Name of the Bank
2	Examiner Address	7	SBI Account No
3	Subject	8	IFSC Code
4	A Photo Copy of the PAN Card & Pass Book	9	Mobile No.
5	Aadhar No.	10	Signature of the Examiner



**Dr. George Fernandez I**  
**Associate Professor**  
**Department of CSE**

- Dr George Fernandez I, Associate Professor, Department of CSE, extended his service as a Ph.D. Thesis evaluator for the title “A Sentiment Aware Product Recommendation System Using Optimization Techniques and Deep Classifiers”, Under the Bharath University in October 2024.



**A Sentiment Aware Product Recommendation  
System Using Optimization Techniques and Deep  
Classifiers**

**A THESIS**

**Submitted by**

**B. MANIKANDAN**

**Reg. No. D19CS503**

*in partial fulfilment for the award of the degree  
of*

**DOCTOR OF PHILOSOPHY**



**FACULTY OF ENGINEERING & TECHNOLOGY**



**Dr. Rajesh T.M**  
Associate Professor  
Department of CSE



**Dr. Praveen Kulkarni**  
Associate Professor  
Department of CSE



**Dr. Renuka Devi M.N**  
Assistant Professor  
Department of CSE

- Dr. Rajesh T. M., Dr. Praveen Kulkarni, Associate Professors, and Dr. Renuka Devi M. N., Assistant Professor in the Department of CSE, part of the DSU team, along with SPMIL Company, visited Bharat Earth Movers Ltd. (BEML) in Mysore on Tuesday, October 22, 2024, to gain further insights and exposure to the funded consultancy projects.





**Dr. Arunkumar Gopu**  
Associate Professor  
Department of CSE

- Dr. Arunkumar Gopu, Associate Professor, Department of CSE has published a South Africa patent and granted it in accordance with section 44 (1) of the Patents Act, No. 57 of 1978 with the title “A Robotic Glove System for Healing using Mudra Therapy” during October 2024.



PATENT REGISTER SHEET

REPUBLIC OF SOUTH AFRICA		REGISTER OF PATENTS		PATENTS ACT, 1978	
Official application No.	Lodging date: Provisional	Acceptance date			
21 01 <b>2023/10845</b>	22	47 2024/05/27			
International classification	Lodging date: Complete	Granted date			
51 A61H	23 2023/1/24	2024/05/26			
71 Full name(s) of applicant(s) Patentee(s)					
Prof Manasa K R Assistant Professor, Ojayantsa Sagar University, Bangalore, India Prof Kanmani B S Assistant Professor, Ojayantsa Sagar University, Bangalore, India Dr Gayathri K M Associate Professor, Ojayantsa Sagar University, Bangalore, India Dr Ravinder Singh Kuntal Associate Professor, Ojayantsa Sagar University, Bangalore, India Dr Pramod Kumar Naik Associate Professor, Ojayantsa Sagar University, Bangalore, India Dr Arun Gopu Associate Professor, Ojayantsa Sagar University, Bangalore, India					
71 Applicant substituted		Date registered			
71 Assignee(s)		Date registered			
72 Full name(s) of inventor(s)					
Prof Manasa K R Prof Kanmani B S Dr Gayathri K M Dr Ravinder Singh Kuntal Dr Pramod Kumar Naik Dr Arun Gopu					
Priority claimed	Country	Number	Date		
54 Title of invention					
<b>A ROBOTIC GLOVE SYSTEM FOR HEALING USING MUDRA THERAPY</b>					
Address of applicant(s) Inventor(s)					
Assistant Professor, Ojayantsa Sagar University, Bangalore INDIA Assistant Professor, Ojayantsa Sagar University, Bangalore INDIA Associate Professor, Ojayantsa Sagar University, Bangalore INDIA Associate Professor, Ojayantsa Sagar University, Bangalore INDIA Associate Professor, Ojayantsa Sagar University, Bangalore INDIA Associate Professor, Ojayantsa Sagar University, Bangalore INDIA Associate Professor, Ojayantsa Sagar University, Bangalore INDIA					
74 Address for service					
Wilmans and Susan Inc. 337 Surrey Avenue, Randburg, Gauteng, 2194 SOUTH AFRICA					
Reference No.					
01 Patent of addition No.	Date of first grant			Date of any change	
Fresh application based on					
Date of any change					



**Dr. Girisha G S**  
**Professor & Chairperson**  
**Department of CSE**



**Dr. Basavaraj N Hiremath**  
**Professor**  
**Department of CSE**

- Dr. Girisha G S and Dr Basavaraj Hiremath, Professors, Department of CSE has published a South Africa patent and granted in accordance with section 44 (1) of the Patents Act, No. 57 of 1978 with the title “A system for detecting diseases in plants and a method thereof” during October 2024.





**Dr. Basavaraj N Hiremath**  
**Professor**  
**Department of CSE**

- Dr. Basavaraj Hiremath, Professor, Department of CSE has published an Indian patent with the title “Prediction of Drug-Drug Interaction, Drug-Disease Interaction Induced Hypokalemia” Applicant: Dayananda Sagar University other Inventor(s) are Dr. Shiva Murthy, Ms. Aishwarya G, Ms. Manjari, Ms. Deeksha, and Ms Meghana during October 2024.

(12) PATENT APPLICATION PUBLICATION (19) INDIA (22) Date of Filing of Application: 26/09/2024	(21) Application No: 202441064342 A (43) Publication Date: 06/09/2024
(54) Title of the invention: <b>PREDICTION OF DRUG-DRUG INTERACTION, DRUG-DISEASE INTERACTION INDUCED HYPOKALEMIA</b>	
(71) International classification: G16H30/00(20190101), G16H30/00(20190101), G16H30/00(20190101), G16H30/00(20190101)	(71) Name of Applicant: Dayananda Sagar University Address of Applicant: Everakkaguballi, Harohalli, Kamalapur Road, Hanumanagara District - 562 112, Karnataka, India, NA
(86) International Application No: NA	Name of Applicant: NA
(87) International Publication No: NA	Address of Applicant: NA
(84) Patent of Addition to Application Number: NA	(72) Name of Inventor: <b>Dr. Basavaraj N Hiremath</b> Address of Applicant: # 6032, Cedar Satika Forest view, 100 ft Vapeethi Main Road, Thalaganesara PO, Bangalore-560 100, Karnataka, India Bangalore
(83) Divisional to Application Number: NA	(73) Shiva Murthy S Address of Applicant: No 57, 1st Cross 4th main, Kothmar Dosa, # Nagar 8th Phase Bangalore-560 076, Karnataka, India Bangalore
(85) Filing Date: NA	(74) Aishwarya Gangrade Address of Applicant: No-16, 6th A, Opposite to Annaram Building, Jakkur HEMP office, Dommasahalli, Bangalore-560054, Karnataka, India Bangalore
(85) Filing Date: NA	(75) Manjari K Address of Applicant: # 51, Appajewar, Naderahalli (Post), Haderahalli, Taluk, Bangalore-560067, Karnataka, India Bangalore
(85) Filing Date: NA	(76) Deeksha Y D Address of Applicant: # 21, 4th A, Cross, 2nd Main Road, Jayanagara 9th Block, Bangalore-560009, Karnataka, India Bangalore
(85) Filing Date: NA	(77) Meghana G Address of Applicant: # 2923, 6th cross 7th main, Vaidyanapura, Koramangala 14 Block, Jayanagara 9th Block, Bangalore-560014, Karnataka, India Bangalore
(57) Abstract: A method of a prediction of drug-drug interaction, drug-disease interaction induced hypokalemia 100 comprising: collecting a large amount of data on drug interactions, drug metabolism, disease status, patient characteristics, and potassium levels in the blood (101); cleaning the collected data, normalizing, and pre-processing to remove duplicate records, handling missing values, and converting data into a suitable format for analysis; and feature selection (102); creating models to predict drug interactions and disease status that cause hypokalemia (103); training the models by validating to determine their accuracy and effectiveness and testing the models on new data and evaluating their performance using appropriate metrics (104); integrating the created model into a practical solution that includes a user interface allowing healthcare professionals to input patient data and receive predictions on potential drug interactions and disease status that cause hypokalemia (105); herein the method of a prediction of drug-drug interaction, drug-disease interaction induced hypokalemia 100 provides a development of hypokalemia levels in blood profiles to diagnose the disease and monitoring of adverse drug reactions. -- FIG. 1 --	
No. of Pages: 19 No. of Claims: 5	

पेटेंट कार्यालय  
 शासकीय जर्नल

OFFICIAL JOURNAL  
 OF  
 THE PATENT OFFICE

निर्माण सं. 36/2024 ISSUE NO. 36/2024	शुक्रवार FRIDAY	दिनांक: 06/09/2024 DATE: 06/09/2024
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पेटेंट कार्यालय का एक प्रकाशन  
 PUBLICATION OF THE PATENT OFFICE

The Patent Office Journal No. 36/2024 Dated 06/09/2024

7900



**Prof. Deepak H G**  
Assistant Professor  
Department of CSE



**Dr. Basavaraj N Hiremath**  
Professor  
Department of CSE

- Dr. Basavaraj Hiremath, Professor and Prof. Deepak H G, Assistant Professor, Department of CSE has presented a lecture an “Computer Skills of medical Students”, as a part of foundation course for the MBBS students of CDSIMER on LH1, G block on 23rd October 2024.



**Department of Computer Science and Engineering**

A lecture on

**Computer Skills for Medical graduates**

(Ref: Medical council of INDIA)

as part of

**foundation course** for the MBBS students of CDSIMER

@ Lecture hall 1 “G” block On 23<sup>rd</sup> Oct 2024 conducted by

**Dr Basavaraj N Hiremath Prof in CSE : Prof Deepak H G Asst Prof CSE**

Coordinated by Dr Sangeetha and Dr Puneeth Nagendra





**Prof. Sasikala N**  
Assistant Professor  
Department of CSE



**Prof. Benaka Santhosa S**  
Assistant Professor  
Department of CSE

- Prof. Sasikala N and Prof. Benaka Santhosa S, Assistant Professors, Department of CSE have participated and certified as a Facilitator of AI for Future Workforce Program in India on October 18 2024 by DELL Technologies.





**Dr. M. Shahina Parveen**  
Professor & Chairperson  
Department of CST

- Dr. M. Shahina Parveen has reviewed the papers submitted to the 2024 IEEE International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics (2024 IEEE DISCOVER – Conference) organized by IEEE Mangalore Subsection at St. Joseph Engineering College, Mangalore, Karnataka during October 18-19, 2024. at the Distributed Computing, VLSI, Electrical Circuits, and Robotics (IEEE Conference) on July 28, 2024.





**Dr M Shahina Parveen**  
**Professor & Chairperson**  
**Department of CST**



**Dr. Sudha D**  
**Associate Professor**  
**Department of CST**

- Dr. M. Shahina Parveen, Dr. Sudha D filed a patent on "Portable Air Pollution Monitoring System" (Application Number: 202441077978).



**Dr. Santhosh Kumar J**  
**Associate Professor**  
**Department of CST**



**Prof. Chithambarathanu M**  
**Assistant Professor**  
**Department of CST**



**Prof. Ramandeep Kaur**  
**Assistant Professor**  
**Department of CST**



**Prof. Nivetha NRP**  
**Assistant Professor**  
**Department of CST**

- Dr. Santosh Kumar J, Prof. M. Chithambarathanu, Prof. Ramandeep Kaur, Prof. Nivetha NRP filed a patent on "A Method for Managing Aging in an AR/VR Model" (Application Number: 202441078399).



# SCHOOL OF ENGINEERING



## STUDENT ACHIEVEMENTS

- The students from CSE-AIML and Aerospace have won the 2nd prize in the prestigious NASA Space Apps Challenge! Working on the project “Tell Us a Climate Story,” Ameer Popat K. (ENG23AM1007), Himasree (ENG22AM0103), Sanjana Balaji (ENG23AS1001), Barath P. (ENG21AS0025), Vishweshraj M. (ENG21AS0020), and Sharan Murali Raj (ENG21AS0040) crafted an impactful narrative using NASA data, highlighting urgent climate issues with creativity and dedication.



- On October 16-17, 2024, the 4th-year Aerospace Engineering students attended the NASSCOM Future Forge 2024 event, which provided valuable insights into strategic intellectual property (IP) management, particularly for startups and small to medium-sized enterprises (SMEs). The masterclass focused on the intricate decision-making process required to determine whether to patent innovations or keep them as trade secrets.



- Mr. Keerthi Krishna Yadav (ENG20AS0007) presented a research paper titled "Numerical Analysis and Experimental Study of Harpoon Technology for Active Space Debris Removal" at the International Conference on Futuristic Advances in Mechatronics Engineering for Aerospace and Defence (ICFAMEAD 2024), held at the Symbiosis Institute of Technology (SIT), Pune, under the guidance of Dr. Avinash on October 4-5, 2024.



- Sahana H. Murthy (ENG24AS0056), a 1st-year Aerospace Engineering student, has reached the semi-finals in the U-19 girls' category at the National Ranking Table Tennis Championship in Goa.



- Nitin Prajwal R. (USN: ENG22DS0039), Viriika Olivia Soans (USN: ENG22DS0024), and Janardhan K.S. (USN: ENG22DS0004), all 5th-semester students, have been selected as 'Global Nominees' under the guidance of Prof. Shivamma D. for the 2024 NASA International Space Apps Challenge organized by NASA at Dayananda Sagar University on October 5 and 6, 2024.



- Adithya N. (ENG23DS0049), Meghana N. (ENG23DS0073), Chintha Deepak (ENG23RA0029), Praneeth (ENG23AM0225), and Nikhil (ENG23AM0258), all 3rd-semester students, have been selected for the 'Art and Technology Award' under the guidance of Prof. Shivamma D. in the 2024 NASA International Space Apps Challenge organized by NASA at Dayananda Sagar University on October 5 and 6, 2024.



- Ratan Ravichandran (ENG21AM0093) and Sayli Bande (ENG21AM0112), 7th-semester students from the Department of AI & ML, School of Engineering at Dayananda Sagar University, have secured first place in TVS Credit's E.P.I.C 6 Challenge under the IT Track, winning a cash prize of 1 lakh rupees!



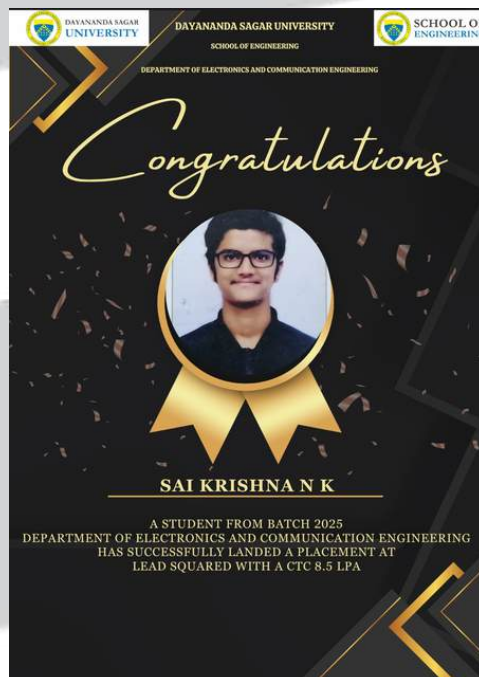
- Popat Ameer Dipak (ENG23AM1007) and K. Himasree (ENG22AM0103), 5th-semester students from the Department of AI & ML, School of Engineering at Dayananda Sagar University, have secured 2nd prize in the prestigious NASA Space Apps Challenge. Their team, Quantum Byte, worked on the project titled 'Tell Us a Climate Story,' where they used NASA data to craft a compelling narrative on climate change. This achievement highlights their dedication and innovative approach to addressing one of the most critical issues of our time—the environment.



- Ms. Mansi Prakash (ENG21EC0059), a final-year student from the Department of Electronics and Communication Engineering, has been placed at the Lead Squared with a CTC of 8.5 LPA.



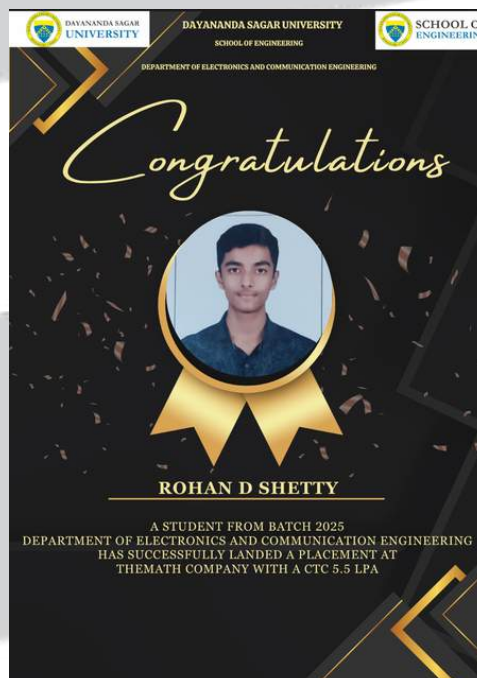
- Mr. Sai Krishna NK (ENG21EC0100), a final-year student from the Department of Electronics and Communication Engineering, has been placed at the Lead Squared with a CTC of 8.5 LPA.



- Ms. Nithyashree (ENG21EC0074), a final-year student from the Department of Electronics and Communication Engineering, has been placed at the Redant Technologies with a CTC of 5.5 LPA.



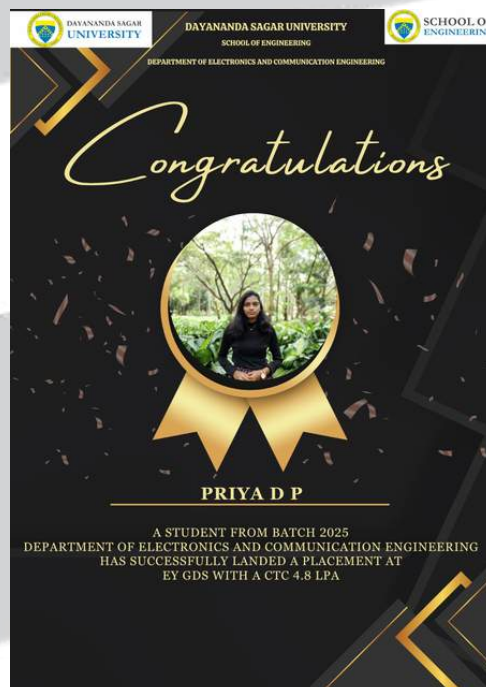
- Ms. Rohan D Shetty (ENG21EC0097), a final-year student from the Department of Electronics and Communication Engineering, has been placed at The Math Company with a CTC of 5.5 LPA.



- Ms. Sai Inchara T M (ENG21EC0099), a final-year student from the Department of Electronics and Communication Engineering, has been placed at The Math Company with a CTC of 6.0 LPA.



- Ms. Priya D P (ENG21EC0090), a final-year student from the Department of Electronics and Communication Engineering, has been placed at the EY GDS with a CTC of 4.8 LPA.



- Ms. K V Priyadarshini (ENG21EC0044), a final-year student from the Department of Electronics and Communication Engineering, has been placed at the DISH Network Technologies with a CTC of 8.6 LPA.



- Neeraja Patil, a student from Dayananda Sagar University in Bengaluru, proudly represented the institution at the prestigious Ideathon project contest organized by the Nokia-Bangalore University collaboration. The event took place on October 21, 2024, where Neeraja contributed her innovative ideas as part of a project titled 'Enhancing 5G Data Transfer Rates with Nokia mm-Wave 5G LDRS Technologies'.





- The team HORIZON GUARD, comprising Darshan Anand (7th sem - AIML), Anuj Dwivedi (7th sem - AIML), Srihari KB (7th sem - Cybersecurity, ENG21CY0043), and Naindeep Singh (7th sem - CSE), after an intense 45-day challenge with 250 participants, proudly secured 2nd place in the VTION Digital Hackathon presented by Hack Culture, taking home a cash prize of ₹75,000. The problem statement was: 'Build an application for connected TVs that can track usage of OTT platforms by logging activity, content, and playback ads.'



- Mr. Anirudh N. S. (ENG21CY0007) has successfully earned the 'Google Cybersecurity Professional Certificate. This online non-credit certificate, developed by Google, consists of eight comprehensive courses, which are aimed at preparing learners for entry-level roles in cybersecurity.









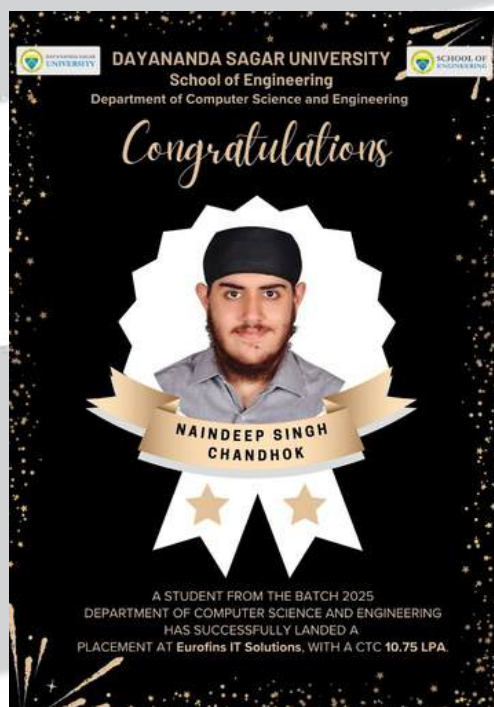
- Ms. Ridhi Golchha (ENG23CS0164), 3rd Semester CSE student, participated and volunteered at the NASA International Space Apps Challenge 2024 at Dayananda Sagar University, Harohalli, on October 5 and 6, 2024.



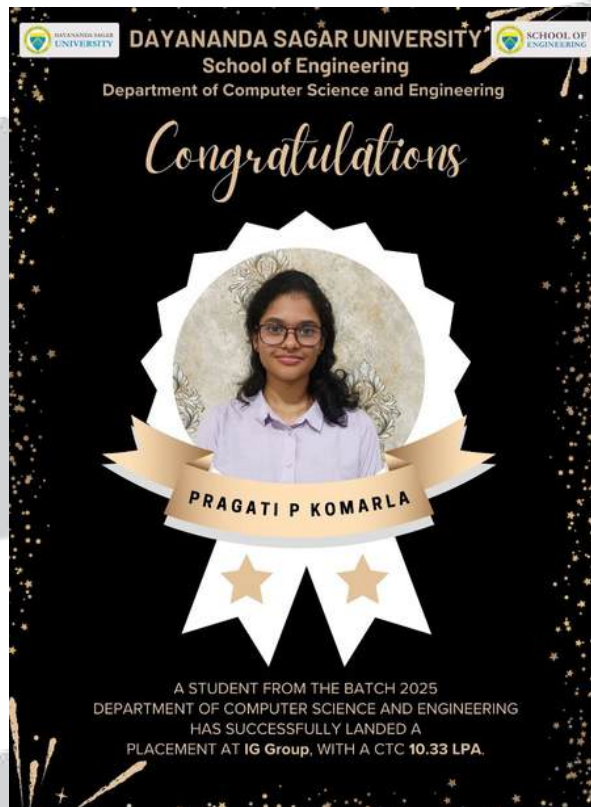
- Ms. Bukkapatnam Harshyara (ENG21CS0085), a final-year student from the Computer Science Department, has been placed at Hitachi KES, Japan, with a CTC of 35 lakhs. This is the first international placement offer received by a student from the 2025 batch.



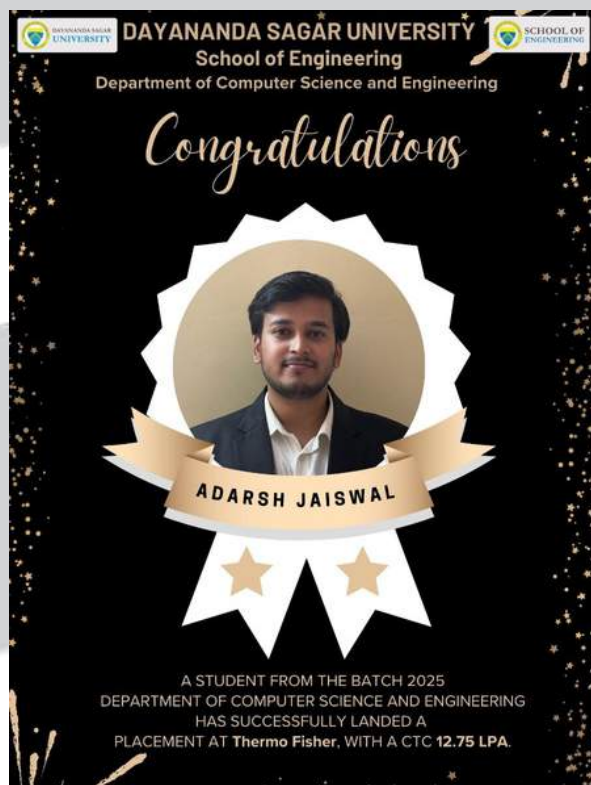
- Mr. Naindeep Singh, (ENG21CS0261) student from the 2025 batch, in the Computer Science Department, has been placed in the company Eurofins IT Solutions, with a CTC of 10.75LPA.



- Ms. Pragati Komarla (ENG21CS0300), a student from the 2025 batch in the Computer Science Department, has been placed in the company IG Group with a CTC of 10.33 LPA.



- Mr. Adarsh Jaiswal, (ENG21CS0010) student from the 2025 batch, in the Computer Science Department, has been placed in the company Thermo Fisher, with a CTC of 12.75LPA.



- Mr. Pavan Kumar G.R. (ENG23CS0131) and Mr. Arshanapally N.V.S. Srikshith Rao (ENG23CS0528), both from the 3rd Semester, participated in the NASA International Space Apps Challenge 2024 at Dayananda Sagar University, Harohalli, on October 5 and 6, 2024. Their team was selected as one of the top 10 teams for the GLOBAL Nominee from the Harohalli local event, representing India against other countries on October 9, 2024.



- Ms. Meghana H S (ENG22CS0103), from the 5th Semester, Department of CSE, has successfully completed 8 weeks NPTEL Online Certification course on " Database Management Systems", with 71% in September 2024.



- Mr. Clifford Thiyam (ENG22CS0043), a 5th-semester student from the Department of CSE, participated as the delegate of Bulgaria in the UNHRC at the People’s Conference, PES PECON'24 MUN, held on October 5 and 6, 2024





- Mr. Subbareddy Meruva (ENG17PPCS20), Research Scholar, Department of Computer Science and Engineering, under the guidance of Dr. Bondu Venkateswarlu, Associate Professor completed his Ph.D. Defence VIVA-VOCE entitled “Improving the Performance of Association Mining Techniques for High Utility Itemsets,” on 21st October 2024 in Room No A-507, A Block, SOE, DSU, Harohalli, Bangalore-562112.



Dayananda Sagar University: Bengaluru Office of the Dean Research & Innovation		
<b>Notification for Ph.D. Public Viva-Voce Examination</b>		
<b>Printed Date</b>	: 14-10-2024	
<b>Name of the Scholar</b>	: Subbareddy Meruva	
<b>USN</b>	: ENG17PPCS20	
<b>Degree / Category</b>	: Ph.D. / Part-Time	
<b>Faculty</b>	: Dept of CSE, School of Engineering, DSU	
<b>Title of the Thesis</b>	: Improving the Performance of Association Mining Techniques for High Utility Itemsets	
<b>Date and Time of Viva-Voce Examination</b>	: 21 <sup>st</sup> October 2024 (Monday) at 2:00 PM	
<b>Venue</b>	: Room No A-507, Dayananda Sagar University, Harohalli	
<b>Name and Address of the Supervisor</b>	: Dr. Bondu Venkateswarlu Associate Professor, Department of Computer Science and Engineering, School of Engineering, Dayananda Sagar University, Harohalli, Bengaluru 562112.	
<b>Name and Address of the Co-Supervisor</b>	: -	
<b>Online Meeting Details</b>	: Join Zoom Meeting <a href="https://us06web.zoom.us/j/81851818766?pwd=Qm5lcnRlc0ZlMmRlR3A0d0Q0QzR0YU.1">https://us06web.zoom.us/j/81851818766?pwd=Qm5lcnRlc0ZlMmRlR3A0d0Q0QzR0YU.1</a> Meeting ID: 818 5181 0766 Passcode: 347633	
All are cordially invited to attend the Ph.D. Public Viva-Voce Examination		
Date: 14 <sup>th</sup> October 2024		
Place: DSU, Bengaluru		
Signature of the Supervisor (Name, Date and Seal)	Signature of the Co-Supervisor	Signature of the Chairperson Principal/Dean (Name, date and seal)

- Ms. Savita Vijay (ENG16PPCS06), Research Scholar, Department of Computer Science and Engineering, under the guidance of Dr. M.K Banga, Professor, completed her Ph.D. Defence VIVA-VOCE entitled, “Efficient Network Management for IoT” on 21st October 2024 in Room No A-504, A Block, SOE, DSU, Harohalli, Bangalore-562112.



Dayananda Sagar University: Bengaluru  
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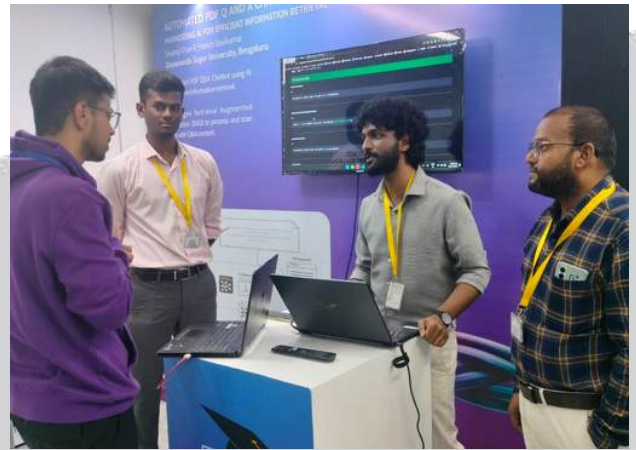
Notification for Ph.D. Public Viva-Voce Examination

Printed Date : 18-10-2024  
 Name of the Scholar : Ms. Savita Vijay  
 USN : ENG16PPCS06  
 Degree / Category : Ph.D. / Part-Time mode  
 Faculty : Engineering  
 Title of the Thesis : Efficient Network Management for IoT  
 Date and Time of Viva-Voce Examination : 21, October 2024, 11.30am, Hybrid mode  
 Venue : A504, A Block, SoE, DSU, Harohalli  
 Name and Address of the Supervisor : Dr. M. K. Banga, Professor, Dept. of CS&E, DSU  
 Name and Address of the Co-Supervisor : -----  
 Online Meeting Details : Join the Zoom Meeting  
<https://usn9web.zoom.us/j/88541860436?pwd=RB5jhwM9UjYpYjBaKOAMa2ak14f7zP.1>  
 Meeting ID: 885 4186 0436  
 Passcode: 428493

All are cordially invited to attend the Ph.D. Public Viva-Voce Examination  
 Date: 18, October, 2024  
 Place: DSU Main Campus, Harohalli, Ramanagar DT., 562112

Signature of the Supervisor (Name, date and seal)  18/10/2024 Dr. M.K. Banga Professor, Dept. of CS&E, DSU	Signature of the Co-Supervisor -----	Signature of the Chairperson/ Principal/Dean (Name, date and seal).  18/10/2024 Dr. Girisha G.S. Professor and Chairman, Dept. of CS&E, DSU Dept. of Computer Science and Engin- School of Engineering
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- Mr. Swaraj Khan and Mr. Harish Sasikumar, 7th-semester students from the Computer Science and Engineering department, participated and reached the finals of the Nokia NBUC Ideathon on October 21, 2024, with their innovative idea, "Automated PDF Q&A Chatbot - Harnessing AI for Efficient Information Retrieval". Another team Mr. Chirag Aswal, Mr. Dibyansu Singh, Mr. Kiran Gangoor, and Mr. Akshay H S – For presenting their brilliant project, "Optimized Navigation in 3D Space", in the Nokia NBUC Ideathon. which is guided by Dr. Savita Vijay (Ex. Spoc-DSU), Neeta A S (NBUC), and the present spot-DSU are Dr. Sivananda Reddy and Dr. Gokul Krishnan are witnessed the event.



- Ms. Sailaja M (ENG19PPCS08), Research Scholar, Department of Computer Science and Engineering, under the guidance of Dr. Girisha G S, Professor, completed her Ph.D. Defence VIVA-VOCE entitled “Interactive tool for prognosis of specific learning disabilities in primary school children using machine learning” on 23/10/2024 Room No 506, A Block, SOE, DSU, Harohalli, Bangalore-562112.



- Mr. C Jayaramulu (ENG17PPCS09), Research Scholar, Department of Computer Science and Engineering, under the guidance of Dr. Bondu Venkateswarlu Associate Professor completed his Ph.D. Defence VIVA-VOCE entitled “A Novel Machine Learning Framework for Outlier Detection in High Dimensional Data” on 25th October, 2024 in Room No A-507, A Block, SOE, DSU, Harohalli, Bangalore-562112.



**Dayananda Sagar University: Bengaluru**  
Office of the Dean Research & Innovation

**Notification for Ph.D. Public Viva-Voce Examination**

**Printed Date** : 23 - 10 - 2024

**Name of the Scholar** : C Jayaramulu

**USN** : ENG17PPCS09

**Degree / Category** : Ph.D. / Part-Time

**Faculty** : Dept of Computer Science and Engineering, SoE, DSU

**Title of the Thesis** : A Novel Machine Learning Framework for Outlier Detection In High Dimensional Data

**Date and Time of Viva-Voce Examination** : 25<sup>th</sup> October 2024 (Friday) at 2:00 PM



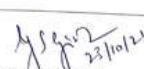
**Venue** : Room No A-507, Dayananda Sagar University, Harohalli

**Name and Address of the Supervisor** : Dr. Bondu Venkateswarlu  
Associate Professor,  
Department of Computer Science and Engineering,  
School of Engineering,  
Dayananda Sagar University, Harohalli,  
Bengaluru 562112

**Name and Address of the Co-Supervisor** : --

<https://us06web.zoom.us/j/85471417537?pwd=bnXLGih0XggkaKg8DP2PKoPokD5Jy5.1>  
Meeting ID: 854 7141 7537  
Passcode: 586698

All are cordially invited to attend the Ph.D. Public Viva-Voce Examination  
Date: 25<sup>th</sup> October 2024  
Place: DSU, Bengaluru

 Signature of the Supervisor (Name, date and seal)	 Signature of the Co-Supervisor	 Signature of the Chairperson/ Principal/Dean (Name, date and seal).
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- Ms. Sohana (ENG21CT0038) and Ms. Sarah Catherine H (ENG21CT0034) of 7th semester CST got selected in JLL Technologies Campus Placement Drive organized by Department of Training and Placement on 01st October 2024.



- Ms. Manoj Kumar R (ENG21CT0023) of 7th semester CST was selected in the Bristlecone Campus Placement Drive organized by the Department of Training and Placement on 10th October 2024.



- Ms. Khushi Shah (ENG21CT0015) of 7th semester CST was selected in the Broadridge Campus Placement Drive organized by Department of Training and Placement on 10th October 2024.



- Mr. Swaroop K R (ENG21CT0041) of 7th semester CST got selected in the LTI Mindtree Campus Placement Drive organized by the Department of Training and Placement on 21st October 2024.



- Ms. Swathi S (ENG21CT0043) of 7th semester CST was selected in the Hewlett Packard Enterprise (HPE) Campus Placement Drive organized by the Department of Training and Placement on 21st October 2024.



- Ms. Priyanka Sharma (ENG21CT0030) of 7th semester CST got selected in Consilio India Pvt. Ltd Campus Placement Drive organized by the Department of Training and Placement on 25th October 2024.



- Ms. Nandhitha N (ENG21CT0027) of 7th semester CST was selected in the Infosys Campus Placement Drive organized by the Department of Training and Placement on 30th October 2024.



- Ms. Khushi Shah (ENG21CT0015), Mr. Krutharth YG (ENG21CT0016), Dr. Sudha, Associate Professor, and Dr. Santosh Kumar J, Associate Professor published a research article titled “Predictive Analytics for Diabetes and Diabetic Retinopathy using Deep Learning on Fundus Images” at the International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT-2024 on 24-26, July 2024).

Conferences > 2024 Third International Conf... ?

## Predictive Analytics for Diabetes and Diabetic Retinopathy Using Deep Learning on Fundus Images

Publisher: IEEE [Cite This](#) [PDF](#)

Khushi Shah ; Krutharth YG ; Danthuluri Sudha ; Santosh Kumar J [All Authors](#)

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**Abstract**

Document Sections

**Abstract:**  
Diabetes is a chronic metabolic disorder that poses a big health risk for people around the world and due to diabetes people can also develop some complications like diabetic retinopathy (DR) which causes vision

- Ms. B. Dhivya (ENG22CT0004) successfully completed the AI and Data course at IBM Z Day 2024.

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1 October 2024



**Certificate of Completion**  
**AI & Data**  
IBM Z Day 2024



Dhivya Balakumar



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# SCHOOL OF ENGINEERING

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