

Dayananda Sagar University
School of Engineering
Department of Electronics and Communication Engineering

News and Events:

- 1. Certificate of Appreciation from IEEE**
- 2. Arduino Workshop on 19th December 2018.**

The IEEE student branch of Dayananda Sagar University organised an "Arduino Workshop " for the students of Metropolitan School on December 19th, 2018. The workshop was conducted by the senior students of DSU who are pursuing their B-Tech degree in the branch of Electronics and Communication. Their knowledge and experience was passed on to the school students who were happy to be receiving it while still in grade 12. The workshop lasted 4 hours and the students participated actively by posing some questions to the seniors. After the talk, the students were shown some of the applications of the Arduino, courtesy the projects that were developed by DSU students. The students were impressed by the applications of the Arduino and even took up a mini-project for which they were assisted by some of the staff members.

The main objective of conducting such workshops was to inspire the younger students to take up science and make our society better by making some life-changing inventions. The students also gained exposure and were given an opportunity to pitch in their ideas which could be implemented in the future.



DSU Talent Search Exhibition 2018

M.Tech (AES) 2nd Sem Project Exhibition 2018

3."Road Safety Training for Youth" on February 5th, 2019.

The IEEE student branch of Dayananda Sagar University organised the event "Road Safety Training for Youth" on February 5th, 2019. The speaker was Mr. Mangesh from Mash Foundation, Pune. He started by giving some examples that can occur around us on the roads and why it is so important to get the required first aid as soon as possible as life could be on the line.

The main agenda of the talk was about safety of youth on the roads. The speaker mentioned the various activities performed by youth on the roads which could turn out to be life threatening. He explained how important life is and that these activities only give momentary satisfaction and pleasure.



4.INDUSTRIAL VISIT TO ISRO SDSC–SHAR, Sriharikota on 8th February 2019.

The IEEE student branch of Dayananda Sagar University organized an industrial visit to Sriharikota SDSC-SHAR ISRO on 8th February 2019. The students accompanied by faculty departed from Dayananda Sagar University on 7th February towards Sullurupeta.

The group arrived at Hotel Lathika on 8th February. They had breakfast and departed for SDSC-SHAR ISRO visit at 9:00am. The students and faculty went through a security check before entering the famous SDSC-SHAR ISRO campus. Luggage and electronic gadgets were deposited in respective counters before proceeding for the visit.

A short inaugural video about SDSC-SHAR was shown to the students in the auditorium. The video described about its major contributions to the Indian society and magnificence of SDSC-SHAR.

The group was then taken to the Machine Control Centre(MCC) where the launch of the rockets (i.e.PSLV, GSLV) is controlled using various systems that are associated with working of different parts of the rocket. The students learned about the activities and procedures that take place at the Machine Control Centre during the launch period. The stages

of rocket launch and the respective procedures performed in the Machine Control Centre were explained.

The campus has two operational launch pads. The group was taken to the second launch pad where rockets like Geosynchronous satellite launching vehicle (GSLV MK-1 and GSLV MK-2) with 3 stages of launch are launched. The rockets launched from the second launch pad were assembled at the Assembly building and then transported to the launchpad for the ignition. The group departed for Srikalahasti Temple after having lunch. Upon arrival at the temple, the students and faculty enjoyed the marvelous architecture of the centuries old Srikalahasti Temple.

The group left the temple town at 9pm to depart for Bangalore. Arrival at DSU campus, Kudlu gate was at 6am.



5. Workshop on ROBOTRIX 1.0 on 9th, 10th of March 2019.

The Robotrix Workshop and Challenge took place on the 9th and 10th of March, 2019 at the Dayananda Sagar University campus. The workshop was attended by students from all branches of DSU School of Engineering. The event saw a huge turnout of participants from across all years and branches that were segregated into 18 teams of 4 members each. Each of the teams was provided with a kit that could be carried away with them and was provided with ample assistance from the trainers and volunteers in addition to hands on training on hardware and software components of the workshop.



6.A guest lecture on “LECTURE ON AWARENESS AND APPLICATIONS OF CONTROL SYSTEMS IN PROCESS INDUSTRY” was held on 15th March 2019.

A guest lecture on “LECTURE ON AWARENESS AND APPLICATIONS OF CONTROL SYSTEMS IN PROCESS INDUSTRY” was held on 15th March 2019. The guest lecture has been organized by the “IEEE student branch of Dayananda Sagar University” to provide the students with an opportunity to gain knowledge about the practical applications of control system in process industry.

The lecture was attended by the 2nd year students from the Department of Electronics and communication. Along with the students, Dr Vaibhav A Meshram, Chairman Department of ECE school of Engineering, DSU; Mrs. Mukti Chaturvedi, Assistant Professor, Department of ECE and Mrs. Kanmani Assistant Professor, Department of ECE were also present.

Welcome speech was given by Mrs. Mukti Chaturvedi, Assistant Prof Dept. of ECE. She gave the introduction about the guest speaker Mr. Chandramouli, Yokogawa India Ltd.

The guest lecturer Mr. Chandramouli was heartily welcomed by Dr. Vaibhav A Meshram by presenting a memento of appreciation.

The session was then continued by Mr. Chandramouli, who began with an introduction of ‘What is a control system and different types of control systems’ and ‘What are the process variables involved in an control systems and the relation between them’. He educated the gathering by briefing them about the process of making sugar by different control systems in sugarcane plant through visual media. He also introduced to the gathering, the idea of smart cities and the role they would likely have in our future.

He thanked the Management for providing the platform to organize guest lectures. He appreciated Faculty members, Students Volunteers and Students for the successful conduction of the event. The session ended with a vote of thanks given by Mrs. Kanmani. Prof Dept. of ECE.



7. Welcome Meet For New Members.

The Welcome Meet for the New Members of the IEEE-DSU CHAPTER of Dayananda Sagar University was interactive and a success. With the introduction to the IEEE-DSU CHAPTER for the new members and a detailed discussion of the events that take place in the Student Branch, an interactive session of finalising agenda for the upcoming events was also conducted. The IEEE Student Chair made sure to clear various doubts. The students were also promised assistance in their field of interests in IEEE DSU Student Branch.

As the Student Branch is a vital part of every student's journey in DSU, IEEE DSU Student Branch aims to keep them inclined towards learning. It also increases curiosity, which is an important quality in a student. The new members were assured that IEEE DSU Student Branch looks forward to providing support to the students in every way.



8. IEEE XPLORE Library event on the 5th of April, 2019

The IEEE XPLORE Digital Library event was held on the 5th of April, 2019 at Gallery Hall - 2, A Block, DSU Innovation Campus. The gathering for the even was addressed by

MrDhanuPattanashetti of IEEE Client Services. MrDhanuPattanashetti spoke about the benefits of the subscription to IEEE Xplore Digital Library which provides access to highly cited, peer reviewed research from Journals, Conferences from over 4.5 million articles. The gathered students and staff were provided with tips and tricks to make decisions faster by accelerating the research and problem solving with various search functionalities. They were given an insight into time saving features for their research which would help them to focus only on relevant articles.

MrDhanuPattanashetti also spoke about the various tools to discover relevant articles while going through the best article. He emphasized the importance of staying at the forefront of technology with alerts on new articles/journal issues in the desired area of interest. The speaker wrapped the session up by demonstrating a quick and easy way of reading which will help interpret articles in less than 60 seconds.



9.Election of IEEE Student Branch

The IEEE student branch of Dayananda Sagar University organized an election amongst IEEE members for the posts of Chair, Vice Chair, Treasurer, Joint Secretary, Secretary and Webmaster under the guidance of Branch Counselor DrPushpa Mala. The IEEE members gathered together to elect the candidate for the particular post through an online voting portal which was provided to the members. After the election procedure commenced, the candidate who held the maximum number of votes was elected for the respective post as contested.

There was a presentation ceremony wherein the elected members were presented with a badge, signifying their respective posts. The IEEE Student Branch members were extremely thankful for the guidance and support given by Dr. Pushpa Mala. The elected members took an oath to serve the student branch and perform their duties with due dedication and will. As the token of appreciation for their time and support the members were offered refreshments following which the procedure was wrapped up.



10. Workshop on HF RF simulation tool WAVE May 2019.

Department of Electronics and Communication engineering conducted 2days FDP on "Simulation Capabilities of WAVE -a high-frequency 3D electromagnetic simulation tool". This was conducted by Engineer from LG Electronics Russia R&D Lab exclusively for DSU/DSI faculty. During the training, 3 specific RF system design problems were given to the participants. The tool will be available for use free of cost for the research and industry consulting work.

11. Keynote speaker and Guest in ICSPCEC-19 on on 3-4th May 2019.

Prof. Payal Verma Invited as a keynote speaker and Guest in International Conference on Signal Processing, Communication and Embedded control (ICSPCEC-19) on 3-4th May 2019 at A.P.S College of Engineering, Bengaluru .



12. Industrial Visit Industrial Visit to CMTI, Bangalore on 09th May 2019.



13. Farewell day on 3rd June 2019



Department of Electronics and Communication engineering arranged Farewell day for 2015-2019 graduating students on 3rd June 2019. There were some cultural functions and distributed mementos for all graduating students.

Department wise Photo session was arranged on the same day.

14. A three day National Level workshop on Design and development of Nano Satellite Sept 2019.

Department of Electronics and Communication Engineering arranged 3 days National level workshop on “Design and Development of Nanosatellites” in collaboration with Department of Aerospace Engineering, R&D Innovation center, Dayananda Sagar University, Bangalore and in association with IEEE student section, Bangalore and Planet Aerospace, Bangalore.

There were about more than 90 participants across India, who have attended this workshop. Prof Vinod K Agarwal, was the convener for entire event.

First day of workshop was inaugurated by P S Goel, Ex- Scientist , ISRO and we other delegates from Planet Aerospace. There were around 15 sessions on different topics of Nanosatellite by ISRO delegates. We have one more chief guest Vasugam, Ex-scientist, ISRO

on Valedictory function. On 3rd day all the participants were taken to Satellite Ground Station, Bayalalu, Bangalore.



15. Internship on “Autodesk Fusion 360” from 8th - 12th July 2019.

Autodesk Fusion 360 was organized by IEEE DSU student branch and was conducted by Mr. Vinayak at Autodesk lab. This internship was conducted from 8th July 2019 to 12th July 2019 for a period of 2 weeks. The purpose of this internship was to give the students a basic knowledge about Fusion 360.

Fusion 360 is a cloud-based CAD/CAM tool for collaborative product development that combines industrial design, mechanical engineering, and machine tool programming into one software solution.

This internship was very useful for students and it got very good response from the student's side. The students were then given a certificate of competency which would support professional growth.

16. BOSCH REXROTH WORKSHOP

The IEEE student branch of Dayananda Sagar University in collaboration with IEEE Young professionals Bangalore section organized a 4-Week Summer internship program about Industrial Automation.

Industrial automation is based on Programmable Logic Circuits or PLCs. The students were taught about PLCs and were also given a hands-on experience on them. The students used Indralogic software in this workshop, which is developed by BOSCH.

The students performed simple functions on the PLCs using switches which act like true or false states.

Students were also taught about automation that encompasses different products that allows various companies to manufacture their products in a faster and efficient manner. The trainer explained more about automation by giving real-time examples such as automobile assembly line, parcel sorting system, batch brewing system, amusement park ride, bottling lines, etc.

At the end of the workshop, the students were given a certificate of competency which would support their professional growth.

17.HIGH Performance Edge Computing/Robotics with JETSON

The IEEE student branch of Dayananda Sagar University in collaboration with IEEE Young professionals Bangalore section organized a 4-Week Summer Internship program detailing NVIDIA JETSON NanoDevelopment boards.

The NVIDIA Deep Learning Institute (DLI) offered hands-on training in Artificial Intelligence and accelerated computing to solve real-world problems. The students gained practical experience working with the NVIDIA GPUs, with guidance from the tech expert team.

The students also acquired a hands-on experience in design and development of algorithms and programs in machine learning and implementing them on the NVIDIA JETSON NANO development boards.

The students worked on an Autonomous robot using image processing and machine learning. This course opened a sea of opportunities for the students and upgraded their knowledge about Artificial Intelligence and Machine Learning.

The students were then awarded a certificate of competency at the end of the workshop, which would support their professional growth.

18.Internship on “DEEP LEARNING” on 09th July 2019

The internship activities have been taken up by DSU and IEEE DSU to promote scientific and research temper among the students and to encourage them to pursue learning of new concepts on campus itself.

The IEEE student branch of Dayananda Sagar University organized a 4-Week Summer internship program about Deep Learning.

This workshop was conducted by the Intel AI Team. The course provided an introduction to deep learning on modern intel architecture. The students learned about the new techniques, terminology, and mathematics of deep learning.

The speakers were expert in their fields. The response from the participants was good. The workshop went smoothly and was very efficient. The feedback given by the participants was positive and the participants were looking forward to more such activities.

The participants were then given a certificate of competency which would support professional growth.

19.“WORKSHOP ON ANALOG DEVICES” from 09th -12th July 2019 .

The IEEE Student branch hosted a 1 week work shop on “ANALOG DEVICES” where B.Tech students of 1st and 2nd year participated. The Event was held from July 9th to July 12th 2019. The purpose of these workshop is to expose the students to different analog devices and understand their need for the society and how it is used in different industries. It was a very good opportunity for the students of ECE as it is their core subject. The students got a very good exposure on analog devices as to how it works, the use of the device and where it can be implemented.

Students were firstly explained about all the analog devices. Then they had hands on experience on some of the device and practically taught how it works and where it is used. Students implemented some mini experiments using those devices and they got an idea about every device by working practically. Learning about analog devices and getting hands on experience made the student more effective and knowledgeable about the subject, and helps the student in terms of projects works and other paper and thesis submission.

Equipment like CRO, step-up & step-down transformers, signal generator, resistors, capacitors were given to them and students were made into groups and taught some experiments. They were indulged in doing group discussion, take seminar on given topics, quiz, tasks, lectures and other few activities. Students showed their keen interest towards all the activities and programs conducted and actively participated in all events, the students gave a hundred percent.

Finally, the faculty gave a thank you note, and shared his/her experience about workshop and students interest & participation. Students gave oath of thanks. He thanked everyone for the opportunity. Then students were asked to share their experience. The event was successful and had a good turnout.

The students were then given a certificate of competency which would support professional growth.



20. Talk About Entrepreneurship By Dr. Ashwini Appaji

Dr. Ashwini Appaji gave a detailed information about entrepreneurship. Ma'am shared her own experience and very valuable information about entrepreneurship, like how to become a successful entrepreneur, advantages of being an entrepreneur, penalties of an entrepreneur, functions of an entrepreneur, types and classifications of an entrepreneur.

The concept of entrepreneurship was discussed in detail and there were many icebreaking sessions to understand the concept of entrepreneurship.

Classic real time examples were taken in the course of the event for better understanding of entrepreneurship.

The event got a very positive response and it turned out to be a very interactive event.

The students gained a lot of knowledge from this event and are looking forward for other similar events.



21. Guest Lecture by Gill Instruments Pvt Ltd July 2019



22. Keynote speaker

Prof. Payal Verma has invited as a keynote speaker in International Conference on Embedded, Power system control and communication On 26-27th July 2019 at Vemana Institute of Technology, Bnagalore.



23. The IEEE Student Branch of Dayananda Sagar University hosted a 2 Day Workshop on “Blockchain Technology” at NVidia Lab, Dayananda Sagar University August 2019.

The IEEE Student Branch of Dayananda Sagar University hosted a 2 Day Workshop on “Blockchain Technology” from 09-08-2019 to 10-08-2019. The event was organized by the members of the Student Branch and Counselor who strived to make it a successful learning experience.

The speakers were Mr. Girish Nuli, Founder - CEO of Antara technologies, a company specializing in Blockchain Consulting and Training, Mr. Prahalad B and Mr. Kishore A T. Mr. Girish Nuli has an experience of over 4 years in the blockchain industry. He has also conducted training workshops on Blockchain for Business, Ethereum, and Hyperledger.

Vote of Thanks was given by Amulya S, ECE department. And a token of appreciation was given to both the speakers by IEEE - DSU Student Branch Counselor, Dr. Pushpamala and Student Chair - Mr. Abhishek Reddy. At the end, a group photo was clicked, and the session was wrapped up with a rendition of the National Anthem.



24.IEEE MEMBERSHIP DRIVE On 24th August 2019.

The IEEE Student Branch of Dayananda Sagar University organized a membership drive on 24-08-2019.

This was organized by the Student branch and advisor and a number of volunteers, making this a successful learning experience.

The Chair of IEEE Student Branch of Dayananda Sagar University addressed the crowd.

IEEE DSU Student branch offers opportunity to IEEE members to build their technical career and offer the members a chance to attend technical events which helps them to gain a lot of knowledge.

A good amount of people have taken the membership. Many students have shown interest in taking up the IEEE membership.



25.BLOOD DONATION CAMP BY BMST on 31st August 2019.

On 31st August, 2019 a blood donation camp was organized by The IEEE student branch of Dayananda Sagar University in collaboration with Engineers without borders of Dayananda

Sagar University. The event started at 11:00 AM and the Camp was inaugurated by Pro VC Dr. Janardhan, Vice Chancellor Dr. Shankpal and Mr. Manu. A group of doctors checked if the volunteered donors were fit enough to donate blood and then sent for the donation. In this camp Overwhelming number of Volunteers from different department of university has participated with Vivacity for the blood donation. All the donors were provided with juice and biscuits. And the donors were also awarded with certificates too. The event was guided by Dr.Pushpamala and sport coordinator Bhagyajhoti and along with few volunteers from IEEE and EWB student branch members. The camp ended at 3PM with 48 donors. The event got a positive response and it was conducted without any hassle.



26.STUDENT TRANSITION AND ELEVATION PROGRAM – STEP on 14th September,2019.

The STEP event was a platform provided to the students, to help them in the transition from a student to a Young Professional. It was organized by **IEEE Student Branch of Dayananda Sagar University** along with **IEEE Young Professionals** on 14th September,2019 to provide the students with an opportunity to gain knowledge and understand about the process of paper writing and innovation.

The fascinating and informative session was then wrapped up by the distribution of certificates to all the participants.



Inauguration of Computer Vision Research Centre Sept 2019

27.IEEE DAY CELEBRATIONS on 1st October 2019.

International IEEE DAY is celebrated globally on the 1st of October, observing which even the DSU IEEE student branch lined up a series of interesting events to celebrate this day. A large number of participants including the members and non-IEEE members joined the celebrations.

The day was wrapped up with a thanksgiving talk by Sai Saahas S and an ample amount of photographs were taken.



28.“Interview-WiE Committee” on 24th October 2019.

IEEE DSU student branch open a new student chapter and had submitted petition for IEEE WiE. Which was later approved by IEEE WiE. There was an interview for the office bearers of WiE committee which was held on 24-10-2019 from 2:45 to 4:45 by Dr.Pushpa Mala S and all the IEEE DSU execom members. All the candidates had to apply with the help of

google forms which were available to everyone. The response from the google forms was good with a decent amount of registrations. The candidates were questioned with various questions depending on the post they had applied. After the interviews of the candidates the selection board came up with their decisions. Thus, forming the WiE committee members.

29. “EXECOM MEET –WiE COMMITTEE FORMATION” on 25th October 2019.

The IEEE DSU EXECOM members along with Dr. Pushpa Mala S, Branch Counsellor, IEEE DSU met together on 25th October 2019 to have meeting regarding the EXECOM positions for IEEE WiE. An opinion on whoever had applied for the posts were put forward by the EXECOM members based on the interviews that was conducted for them. After the discussion, the branch counsellor took the final decision as to who would form the WiE EXECOM. The names of the newly formed execom members were announced during the IEEE DSU WiE and SIGHT inauguration.

30. “EXECOM MEET –SIGHT COMMITTEE FORMATION” on 26th October 2019.

On 26th October, 2019 the IEEE DSU EXECOM met together to have meeting regarding the EXECOM positions for IEEE SIGHT. The meeting was headed by Dr. Pushpa Mala S , Branch Counselor, IEEE DSU. The EXECOM members put forward their opinions on whoever had applied for the SIGHT posts based on the interviews that were conducted for them. After the discussion, the branch counselor took the final decision as to who will form the SIGHT EXECOM. The names of the newly formed execom members were announced during the IEEE-DSU WiE and SIGHT inauguration.

31. “EXECOM MEET-IEEEINTERNAL CHAIR IN ELECT POSITIONS” on 30th October 2019.

On 30th October, 2019 the IEEE DSU EXE-COM met together to have meeting regarding the internal committee positions for IEEE DSU Student Branch. The meeting was headed by Dr. PushpaMala S, Branch Counsellor, IEEE DSU. The EXECOM members put forward their opinions on whoever had applied for the posts based on the interviews that were conducted for them. After the discussion, the branch counselor took the final decision as to who would form the IEEE internal committee office bearers. The names of the newly formed execom members were announced during the IEEE DSU WiE and SIGHT inauguration.

32. “TECH-TALK ON VLSI DESIGN TECHNOLOGY” on 31st October 2019.

The ‘Tech talk on VLSI Design Technology by Dr.Rudraswamy was organised on 31st October by IEEE DSU student branch.

The chief guest of the event, Dr Rudraswamy S B obtained his Doctorate degree from Indian Institute of Science, Bangalore in 2015. He graduated from Kuvempu University in 2002 and obtained Masters' Degree from Vishveshvaraya Technological University in 2006. He was a Commonwealth postdoctoral research fellow at the University of Manchester, United Kingdom in 2016-17.

The lecture was about VLSI Design Technology, comprising the basics of VLSI Design and the Industrial Standards followed today. It was an informative session where the students upgraded their knowledge about VLSI Design and had their doubts cleared. It was an interactive session and the students were also motivated to pursue VLSI Design as a career.

The speaker was given token of gratitude by DSU branch counsellor, Dr Pushpamala at the end of the session.



33.“EXECOM MEET-WiE INTERNAL COMMITTEE FORMATION” on 7th November 2019.

On 7th November, 2019 the IEEE DSUEXECOM sat together to have meeting regarding the internal committee positions for IEEE WiE. The meeting was headed by Dr. Pushpa Mala S, Branch Counselor, IEEE DSU. The EXECOM members put forward their opinions on whoever had applied for the posts based on the interviews that were conducted for them. After the discussion, the branch counselor took the final decision as to who would form the WiE internal committee office bearers. The names of the newly formed execom members were announced during the IEEE DSU WiE and SIGHT inauguration.

34.“EXECOM MEET-SIGHT INTERNAL COMMITTEE FORMATION” on 8th July 2019.

On 8th november, 2019 Dr. Pushpa Mala S, Branch Counsellor, IEEE DSU the IEEE DSU EXECOM members had assembled to decide for the internal committee positions for IEEE SIGHT. The EXECOM members put forward their opinions on whoever had applied for the sight posts based on the interviews that were conducted for them. After the discussion, the branch counselor took the final decision as to who would form the SIGHT internal committee office bearers. The names of the newly formed execom members were announced during the IEEE DSU WiE and SIGHT inauguration.

35. “INAUGURATION OF WIE AND IEEE SIGHT STUDENT BRANCH” on 11th November 2019.

The WIE and IEEE SIGHT Student Branch of Dayananda Sagar University was inaugurated on 11th November, 2019. The event was organized by the student branch and advisor and a number of guests had arrived to encourage the opening of a new chapter.

The guest of honor was DR.Soma Pandey, General Manager-JIO and Treasurer- WIE, Bangalore Section and Mr. Abhishek Appaji, IEEE SIGHT Chair, Bangalore.

Along with the guests were Dr. Srinivas, Dean SoE-DSU, Dr. Vaibhav A Meshram Chairman, Dept of ECE, SoE- DSU to support and encourage the event

The start of the event was done by an invocation song followed by the lighting of the lamp by the dignitaries. Welcome speech was given by Mrs. Shwetha M P, Asst. Prof Dept. of ECE, DSU.

Mr. Abhishek Appaji had addressed the gathering and handed over the Sight Plaque to DSU.

Mr. Darshan Halliyavar Asst. Prof Dept. of ECE had introduced the IEEE EXE-COM Members.

Handover of scroll card of IEEE DSU Student Branch was done.

Trophy Distribution for Outstanding Contributors of IEEE Student Branch was given by the Chief Guests.

Ms.Navya Asst. Prof Dept. of ECE had introduced the WIE Committee Members.

Mr. Sharanbasavaraj, Asst. Prof Dept. of ECE had introduced the IEEE Sight Committee Members.

Mrs Gayathri Asst. Prof Dept. of ECE had introduced the EWB Panel Members.

Dr. Soma Pandey, addressed the gathering and shared her views and motivated the IEEE members for their future activities.

Awards was given to all the winners on the occasion of IEEE Day by the Chief guests.

Dr. Vaibhav A Meshram, Chairman Dept. of ECE SoE-DSU addressed the gathering, shared his views and encouraged the gathering for the upcoming events based on IOT and machine learning.

Dr. Srinivas Dean SoE DSU gave few remarks on the IEEE-DSU student branch plans and encouraged the members to be active in all events organized by IEEE.

The presidential address was given by Dr. Srinivas Dean SoE DSU gave few remarks on the WIE-DSU student branch and IEEE Sight plans and encouraged the members to be active in all events organized by IEEE.

The vote of thanks was given by Dr. Pushpa Mala S, Asst. Prof Dept. of ECE and IEEE Branch advisor, DSU.

DAYANANDA SAGAR UNIVERSITY
Kudlu Gate, Hosur Main Road, Bengaluru - 560068




IEEE - DSU CORDIALLY INVITES YOU FOR THE
INAUGURATION
OF
WOMEN IN ENGINEERING (WIE)
AND
SPECIAL INTEREST GROUP ON HUMANITARIAN TECHNOLOGY (SIGHT)

Guests:

Mr. ABHISHEK APPAJI
IEEE SIGHT CHAIR
BANGALORE SECTION

DR. SOMA PANDEY
GENERAL MANAGER-Jio and
TREASURER-WIE
BANGALORE SECTION

Presided By:
Dr. A. Srinivas
Dean, SoE-DSU

ALL ARE WELCOME

Chief Patrons

Dr. Pushpa Mala S
Branch Counselor

Dr. Vaibhav A Meshram
Chairman, Dept of ECE, SoE-DSU

Dr. Puttamadappa C
Registrar, Dayananda Sagar University

Dr Shankapal
Pro Vice Chancellor, Dayananda Sagar University

Date: November 11th 2019, Time: 2pm, Venue: Gallery 1, A Block



36. “WORKSHOP ON MENTOR GRAPHICS” on 13th November 2019.

The Workshop on Mentor Graphics was conducted on 13th November 2019 by Dr. Pushpamala and Mr. Darshan Asst. Prof Dept. of ECE for the students from different schools located in Bangalore.

The students were taught about the basics of programming in VHDL and how to design VLSI circuits for Mixed Signal Circuits using EDA tools like Mentor Graphics.

Dr.Pushpamala had given a detailed information to the participants to do their research and development activities in the area of VLSI Design and related applications and the efficient way of using the EDA tools.

The students were also encouraged to do future projects using Mentor graphics tools. The students were motivated and also simulated few programs on the software.

37. Industrial Visit to CMTI Penya Bangalore Feb 2020



38. Report on International Skill Enhancement Programme 2020 Webinar Series on Programming and Simulation Software from 22nd-27th June 2020.

During this unprecedented time of temporary and sustained education institutes closings, educators across the globe are quickly transitioning to remote learning. In this regard, the Department of Electronics and Communication Engineering, School of Engineering, Dayananda Sagar University, Bengaluru glad to inform you that, ECE-SOE-DSU has thought of organizing an International Skill Enhancement Programme 2020 on Programming and Simulation Software (ISEP-2020 PASS) from 22nd-27th June 2020 with three sessions everyday. The ISEP-2020 PASS a FREE webinar series introduces the participants from various disciplines of engineering and management to different Programming and Simulation Software, to explore the research and academic activities. This webinar series is designed by educators and industry experts, for educators, and based on educator input capturing current challenges. The programme was specifically designed for those who are new or have diminutive acquaintance to programming and handling of simulation software. The webinar series explained and demonstrated programming and simulation skills, increased the confidence in research and help learners to comprehend the courses. This ISEP-2020 PASS provided the participants a platform to involve in learning, interact with technology and experience hands-on sessions. At the outset, I wish to thank the Vice Chancellor Dr. K. N.

Balsubramanya Murthy, Registrar Dr. Puttamadappa C., Dean Dr. A. Srinivas and Department Chairman Dr. Vaibhav A. Meshram, for permitting me to host the webinar series in association with IEEE Bangalore Section for all the support extended to me in organizing this one week mega event with total of 18 sessions, and 18 resources persons and 18 different simulation tools to learn, explore and take it forward in research or academics. Special thanks to Dr. Pushpa Mala S., IEEE MDC Member to get us permission to use IEEE Bangalore Section logo. We had an overwhelmingly response with total of 640+ registrations from various streams of engineering and around 80+ participants participating in each session with the choice of their field and discipline.

39. 3-Days Online FDP on “RECENT TRENDS IN PHOTONICS” June 30th to July 2nd, 2020

The 3 days online FDP on "Recent trends in photonics" organized by Department of ECE was a success. We had 511 registrations, 100+ participants who watched live stream , 600+ viewers .

Sessions were live streamed on Youtube. We had totally 7 sessions by 4 external resource persons and 3 internal faculty. The coordinators have taken feedback of each session by the end of every day and a small quiz was also conducted. 250+ participants have given us the feedback with overwhelming response and 311 participants have taken quiz. The event was organised by Prof.Sapna V M, Prof.Meenakshi M, Prof.Nandini Rao G, Prof.Shwetha M P, Dept. of ECE, SoE,DSU.

All the sessions are available in Youtube with the link

<https://www.youtube.com/channel/UC4kK7HnoZHVS1rrBKg5DQuQ>

40. Two Day Workshop on “Research and Publication Ethics” on 5th - 6th August 2020

It is our pleasure to place on record the successful completion of the Two days online workshop on “Research and Publication Ethics” conducted on 5th August and 6th August 2020 by the Research Cell, School of PG Programs in Management and Department of Electronics and Communication Engineering, School of Engineering, Dayananda Sagar University, Bengaluru. Mode of conduction was Zoom platform. Registration was restricted to 300 participants due to the Zoom account limit. The numbers of Active participants were 170 comprising Ph.D Research scholars from DSU, Management Students at DSU and Faculty members from various National colleges and Universities. The workshop consisted of four sessions handled by eminent resource persons from reputed institutes such as IIM-Kolkata, Indian Statistical Institute, MAHE and DSU who shared their expertise on the topics of PHILOSOPHY AND ETHICS; PUBLICATION ETHICS AND SCIENTIFIC CONDUCT; OPEN ACCESS PUBLISHING; SOFTWARE TOOLS; DATABASES AND RESEARCH METRICS.

Registration link:
https://docs.google.com/forms/d/e/1FAIpQLSdOrsIbecADoGYN4VJVNl8mb3GNcHrIdabG07J30qHGuc9A/viewform?usp=ef_link

Dayananda Sagar University Bengaluru
 Research Cell
 School of Management Studies
 Dept. of ECE, School of Engineering
August 5th and 6th 2020
Session 1: 10:30 AM -12:30 PM & Session 2: 1:30-3:30 PM
Inauguration: 10:00 to 10:30 AM on August 5, 2020

RESOURCE PERSONS:

Dr. Krishna Kumar Rao
 Prof. Krishna Kumar Rao is a professor of Human Resource Management and Marketing. He is Management Consultant and has a Ph.D. and MBA from IIM-C, Kolkata. He specialized in Strategic Management. Various areas in Marketing, HRM with Leadership and Team Development.

Dr. V. Chaitanyam Reddy
 Dr. V. Venkatesham Reddy is a Professor at Department of Commerce, Manipal Academy of Higher Education (MAHE). His research interests are Research Methodology, Economics, Business Analytics, Business Statistics, Quantitative Techniques and Data Analysis Methods.

Dr. Madalah Krishnamurthy
 Dr. Madalah Krishnamurthy is Assoc. Prof. of Info. Science at the Documentation Research and Training Center, Indian statistical Institute, Bangalore. He was Awarded Fulbright Fellowship to carry out research at University of Illinois, USA. His areas of specialization are Applications of ICT, Digital Library, Institutional Repository, Open Access.

Dr. Prathima Guruprasad
 Dr. Prathima Guruprasad is Associate Professor at the Department of Computer Science, SOE, Dayananda Sagar University. Her areas of interest are Document Image Processing, Data Mining, Pattern Recognition and Deep learning.

Dr. K. N. B. Murthy
 Vice Chancellor

Dr. M. K. Banga
 Dean, Research

Dr. A. Srinivas
 Dean, SOE

Dr. Puttamadappa C.
 Registrar

Prof. (CAPT.) A. Nagaraj Subbarao
 Dean, PG Management Programs

Dr. Valbhav Meshram
 Chairman-ECE

Registration is FREE
Attendees will get e-Certificates

PRESENTS
Two-Days' Workshop
On
RESEARCH AND
PUBLICATION ETHICS

WORKSHOP HIGHLIGHTS
Objective: To comprehend Publication Ethics and Publication Misconducts; Indexing and Citation Databases, Open Access Publications, Research Metrics (Citations, h-index, Impact Factor, etc.) and Plagiarism Tools.

TOPICS OF DISCUSSION:
 RESEARCH PHILOSOPHY AND ETHICS
 SCIENTIFIC CONDUCT
 PUBLICATION ETHICS
 OPEN ACCESS PUBLISHING
 PLAGIARISM SOFTWARE TOOLS
 DATABASES AND RESEARCH METRICS

JOIN ZOOM MEETING
"LINK TO BE ADDED"

Convener and Coordinator:
Dr. Rajashree Narendra, Prof. ECE, SOE, DSU
 9844446824, rajashree-ecce@dsu.edu.in
Dr. Payal Vortica, Assoc. Prof. ECE, SOE, DSU
 9820461843, payal-ecce@dsu.edu.in

41. Virtual Labs Workshop on 12th - 14th August 2020

A Three days online workshop on “Virtual Labs” was conducted on 12th August to 14th August 2020 by the Department of Electronics and Communication Engineering, School of Engineering, Dayananda Sagar University, Bengaluru and Electrical Engineering Department, IIT Roorkee.

Mode of conduction was Webex platform. Number of online Registration was 1541 participants. Also it was transmitted in real time on IIT Roorkee YouTube. The number of Active participants for the sessions were 1352 comprising ECE, ME, AE, CSE, CT and BCA Students at DSU and IS&E students at DSATM and faculty members from DSU and DSATM.

The workshop consisted of 3 days sessions handled by eminent resource persons Prof. R. S. Anand Principal Institute co-ordinator, Virtual Labs, IIT Roorkee, Mr. Chetan Dhiman, Mr. Amit sharma, Mr. Jasbir Singh, Mr. Rajeev Kumar and Ms. Priyanshi Agarwal from IIT Roorkee who shared their expertise on the topics of Virtual Labs for ECE, ME, AE, CSE, CT and BCA branches.

Workshop Team members include Mrs. Anna Merine George, Dr. V. Revathi, Dr. S. Manoj, and Mr. Sripad Kulkarni from various branches of DSU.

The workshop familiarized students and faculty with virtual lab platform for conducting experiments in their domain.

42. Virtual Conclave on Computer Vision Impelled Technology-Brief Summary on 11th and 12th September 2020.

Two days virtual conclave on Computer Vision Impelled Technology was conducted on 11th and 12th September 2020 Jointly by Department of Electronics and Communication Engineering, School of Engineering, Dayananda Sagar University and Atal Incubation Centre (Atal Incubation Mission, NITI AAGog, Govt of India) - Dayananda Sagar University, Bengaluru. The key objectives of the conclave was to create an inquisitiveness among the budding engineers and technology aspirants on the emerging intelligent systems and perception technologies. The discussions on fundamental concepts, evolution and progresses and futuristic scope were through different modes and capacities. The mode of conduction was the Zoom platform. We had an online Registration of 260 participants. The number of Active participants for the sessions were 225 comprising Department Students, Faculty, Ph.D Research scholars and faculty members from various National colleges and Universities. The Conclave consisted of Ten Technical sessions and Two Workshops handled by eminent resource persons from Google Research, Intel Technology India Pvt. Ltd., Siemens, MNIT Jaipur, DataWeave, Cimpres, Akaike Technologies, IITB, A* STAR, Singapore, IRTT, Erode. Total 25 Papers were presented in the conclave which will be published in a book with ISBN titled Annals of Computer Vision Impelled Technology. The feedback from the conclave was overwhelming and the initiative is likely to take a leap in the subsequent years.

43. Six Day Workshop on Machine Learning and its Application from 21st-26th September 2020.

The workshop aims to build up each participant's overall understanding of the basics of ML and its related applications. The workshop was conducted for six days from 21-09-2020 to 26-09-2020. The workshop was conducted through online mode and organised by Dr S Sivaramakrishnan ,Dr Chandrasekar, Mrs. Devakarani, Assistant Professor, Department of ECE.

Topics covered and Speakers for Workshop:

- 1."Introduction to Python and its Application in Building Chat bot", by Prof. T. B. Dharmaraj, HoD, CSE, Christ The King Engineering College, Coimbatore
2. "Computer vision applied to Image classification using CNN ", by Mr. Deepak Pradhan, Data Scientist, Bangalore
3. "Medical Application using Machine Learning ",by Ms, SrishtiGautam, Research Scholar, UiT, The Arctic University of Norway, Tromso
4. "CNN and its Advances ",by Mr. MunenderVarshney, Research Scholar, IIT Kanpur
5. "Customer churn Analytics using ML algorithms ",by Dr. M. Thenmozhi, Associate Professor, Department of IT, SRMIST
6. "Speech Signal Processing with Machine Learning and CNN "by Dr. Vishnu Yarlagadda, Senior Assistant Professor, School of CSE, VIT Vellore

Youtube Live streaming link for each session:

Day 1: 21-Sep-2020: <https://youtu.be/wxt43CjkXBM>

Day 2: 22-Sep-2020: https://youtu.be/R_CYsITVT5E

Day 3: 23-Sep-2020: <https://youtu.be/eDf0EpNEtXk>

Day 4: 24-Sep-2020: <https://youtu.be/ozP13IfWCIs>
Day 5: 25-Sep-2020: <https://youtu.be/YoM3W5xgpCg>
Day 6: 26-Sep-2020: https://youtu.be/l_z1ZbMJ560

44. Invited talk on MEMS on 25th September 2020.

Prof. Payal Verma has invited as resource person in the AICTE Training and Learning (ATAL) during FDP on “The World of Wonderful Sensors” organised by Department of Telecommunication Engineering, at Dr. Ambedkar Institute of Technology, Bengaluru during 21-25th September 2020.



45. Workshop on Documentation Using Latex on 09th October 2020.

The workshop is to help the Research scholars and the students to prepare the documentation using the Latex software. Latex is a high-quality typesetting system; it includes features designed for the production of technical and scientific documentation. Latex is the de facto standard for the communication and publication of scientific documents. Latex is freely available software. Target Audience were Research Scholars, UG and PG Students. Event organised by Dr S Sivaramakrishnan, Dr Chandrasekar, Mrs. Devakarani, Assistant Professor, Department of ECE. Event Conducted in Online through google meet.

YouTube link: <https://youtu.be/Hqiqw8QzkWk>

46. Student techno cultural club : ElectroBLitz Club inaugural ceremony on 18th January 2021

Electroblitz is a student techno cultural club formed under department of Electronics and Communication Engineering, with a motive of providing a platform for students to exhibit their co-curricular and extra curricular skills. The activities of the club enhance the technical skills and personality development of the student apart from the academics. The electroblitz

club includes, Organizing chair, faculty coordinator and student executive council members. The selection of Club name and logo was based on the competition held for students. The club activities started off with inaugural ceremony on 18th January 2021 under the guidance, support and encouragement of Dr.Vaibhav Meshram, Chairman, Department of ECE. Logo and Name of the club was launched by the dignitaries and the executive council members on the day of inauguration.

Faculty Coordinators of the Club are Dr. Vaibhav M, Chairman – ECE, Head of the Club, Dr. Gayathri K M, Faculty – ECE, Faculty Coordinator, Kanmani B S, Faculty – ECE, Faculty Finance Manager. Students coordinators of the club are Mazhar S B, President, Sandhya ill, Vice President, Harshitha Divakar, Secretary, Atharv D NaiK , Treasurer, Indraneel Mukherjee, Vasudev G Kulkarni, Karthik Sanjay, Adithya, Volunteer's and All ECE Students are the Members of the club.

The various activities planned under the club includes technical events like Quiz, Circuit debugging, idea presentation, project building etc and cultural event like fine art exhibitions, cookery and so on.

Naming Competition for the club was held on 11th January 2021. Suraj Yadav T K won the competition by giving the beautiful name to the club “Electroblitz club” through pooling.

Logo competition was organised on 12th January 2021 Priya G Shastry and Krupanka B P won the cometion through pooling.

Next club conducted Election for club chairs on 15th January 2021, through elections. All the Faculties and Students of ECE Department have actively participated in elections and gave their votes. Mazhar S B, President, Sandhya ill, Vice President, Harshitha Divakar, Secretary, Atharv D NaiK , Treasurer were elected as club chairs.

Much awaited Inauguration of Club was held on 18th January 2021.

Then a series of events were conducted by the club for students. Mandala Design Competition was organised on 23rd January 2021, many students were participated and best two Mandala art were awarded. Mrs. Manasa K R , Assistant Professor, Department of ECE Was the judge to this competition. Meghana S won 1st place and Sandhya Ili won 2nd place.

Next it was into brain hacking Circuit Debugging Competition held on 30th January 2021, 1st Place awarded to Priya G Shastry and Monica K S and 2nd Place awarded to Revathi R and Hamsa S. Dr. Arungalai S, Associate Professor, Department of ECE was judge to this competition.

Technical Quiz was organised on 17th January 2021 and faculties Dr. Rajashree N, Dr.Theoder Chandra, Dr. Devaraju R, Dr, Chandra sheker, Dr. Bhawani

Mr. Abhinav Karan, Mr. Darshan S gave the inputs and framed the questions to this competition. 1st Place awarded to Vasuprada G and V R Harika and 2nd Place awarded to Aryan Jain and Gopinath D K.





47. Technical talk on “Recent Trends in Electrical Engineering: Significance & Scope” by Dr. R. C Mala, Associate Professor, M.I.T Manipal on 30th Jan 2021.



Electrical engineering is a dynamic field that is incessantly expanding due to advancing technologies, and improvisations in design, techniques and existing models. From electric dynamo and light bulbs to Smart LED's and Smart grids has illuminated and connected the world.

Department of Electronics & Communication Engineering, SOE, DSU organized a guest lecture on “Recent trends in Electrical Engineering: Significance & Scope” by Dr. R. C Mala, Associate Professor, Department of Electrical Engineering, M.I.T Manipal on 30th Jan 2021. The lecture was arranged to motivate 1st year students studying Basic Electrical Engineering on the challenges and the recent advancements in the area of electrical engineering. Around 400 students and few faculties attended the guest lecture. The transformation and upgrading nature of technology has influenced the electrical engineering industry to work towards better ways to generate, store and use electrical energy. The lecture highlighted the power scenario in India and discussed the trends in Green Energy Sources, Energy Storage Technology, Smart Grid Technology and Electric Vehicles. Some of the concepts discussed in the lecture helped the students to correlate with the topics included in electrical engineering course.

The lecture was organized by Mrs. Anna Merine George, Mr. Sharanabasavaraj, Mrs. Nandini Rao, Shwetha M.P & Navya R of ECE Department. The session was around 90 minutes and was organized online through Zoom meeting with YouTube live streaming.

Students quoted “Very informative session for budding engineers on the role of electric vehicles, smart grids, fuel cells etc.,”

YouTube link: <https://youtu.be/KcoA7LPPhOM>

48. Workshop on Virtual Labs 4th February 2021

Virtual lab is an initiative of Ministry of Education under the National Mission on Education through ICT. It provides a complete learning management system where the students can avail the various tools for learning, including additional web sources, video lectures, animated demonstrations and self - evaluation. Virtual lab provides remote access to Labs in various disciplines of Science and Engineering.

The 3rd workshop on “Virtual Labs” was conducted on 4th February 2021 by the Department of Electronics and Communication Engineering, School of Engineering, Dayananda Sagar University, Bengaluru in collaboration with Electrical Engineering Department, IIT Roorkee.

The objective of this workshop is

- To provide remote-access to Labs in various disciplines of Science and Engineering. These Virtual Labs would cater to students at the undergraduate level of ECE, CSE/CT, AE, and Mech .

- To entuse students to conduct experiments by arousing their curiosity. This would help them in learning basic and advanced concepts through remote experimentation.
- To provide a complete Learning Management System around the Virtual Labs where the students can avail the various tools for learning, including additional web resources, video-lectures, animated demonstrations and self-evaluation.
- To share costly equipment and resources, which are otherwise available to a limited number of users due to constraints on time and geographical distance.

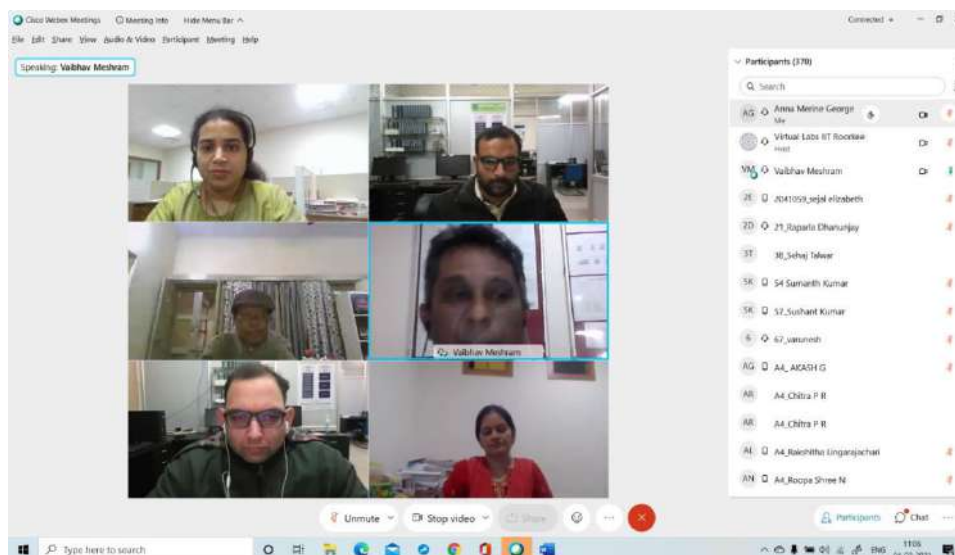
The mode of conduction of the workshop was Webex platform with YouTube livestreaming. The number of Active participants for the sessions were 504 first year Students of DSU.

The workshop consisted of sessions handled by eminent resource persons: Prof. R. S. Anand, Principal Institute co-ordinator, Virtual Labs, IIT Roorkee, Mr. Chetan Dhiman and Mr. Amit sharma, from IIT Roorkee who shared their expertise on the topics of Virtual Labs followed by Demo of Physics, Chemistry, Basic Electronics, Digital Electronics, Mechanical Workshop related experiments on virtual labs.

The workshop was organized by Dr. Saara K, Nodal coordinator of Virtual labs for DSU and Mrs. Anna Merine George of ECE Department.

Students quoted “The workshop provided an excellent hands-on experience to work with experiments of Physics, Chemistry, Basic Electronics lab etc.,”

YouTube Link: <https://youtu.be/titpO01dDd0>



49. Technical talk on “5g Technique and challenges” by Dr.Lingaswamy, Technical lead at HCL technologies on February 13th 2021.



Fifth-generation wireless (5G) is the latest iteration of cellular technology, engineered to greatly increase the speed and responsiveness of wireless networks. 5G networks and services will be deployed in stages over the next several years to accommodate the increasing reliance on mobile and internet-enabled devices.

The Department of Electronics and Communication Engineering organised a guest lecture on “5g Technique and challenges” on February 13th 2021. Guest speaker, Dr V Lingaswamy,

Technical Lead and RF Engineer at HCL technologies Limited, worked in ISRO-RESPOND Project, IGTL Saudi Arabia Limited, Riyadh, Kingdom of Saudi Arabia, GTL Limited, Chennai, India gave Guest lecture on the 5g technologies and challenges. The topic covered on the guest lecture were various deployment scenario, use cases, challenges and opportunities, simulation and testing, design and testing tools.Emphasis were also on implementing the 5G technologies in developing country like India.

The event was organised by Dr S Sivaramakrishnan, Dr Chandra Shaker Balure and Mrs. Devikarani, Assistant Professor’s, Department of ECE. The session was around 90 minutes’ duration and was organized online through google meet and YouTube live.Targeted Audience were UG/PG students, Faculties, Research scholars.

Students quoted “It was an eye opening to the UG students” and students gave a good feedback on the session as it was the latest technology.

Research scholar also appreciated “The session as the guest lecture were relating the challenges faced in implementing the technology in India.”

You Tube live link:<https://youtu.be/Yf6ZxHPP4do>

50. Invited Talk on “Synergising Electronics and Computing” February,2021



Dr. Vaibhav A Meshram
Professor and Chairman,



Dr. Gayathri K M
Assistant Professor



Mrs. Mukti Chaturvedi
Assistant Professor

Atria Institute of Technology, the CSE Department invited our Professor's Dr. Vaibhav A Meshram Professor and Chairman, Dr. Gayathri K M, Assistant Professor, Mrs. Mukti Chaturvedi, Assistant Professor, ECE department as resource speakers for a webinar

” Synergising Electronics and Computing” on February, 2021 between 10:00AM - 1PM.

Targeted participants are 3rd semester students, that affords meaningful beyond-the-classroom learning opportunities to refine their subject knowledge and hands-on practical skills in the subject.

The topics covered are “Mission of Electronics and Computer Engineering, Need to Synergise, Targeted Applications, Industry 4.0, Analog Electronics Why study analog in the digital world?, Digital Electronics, Simulation Hands-on Session with TINA Software.”

The event organisers extended their gratitude for our Professor's for their active participation and timely information, They also appreciated for the positive responses to the webinar from participants for the valuable words.

51. “Farewell day” on 13th March 2021

A beautiful quote on Farewell by William Shakespeare, “Farewell! God knows when we shall meet again”. Every new beginning comes from some other beginning's end. The Department of Electronics and Communication Engineering organised Farewell function for the second batch ECE students(2016-2020).

The Undergraduate Study period is the Golden period in one's life. This is a stage where the mind is open to new ideas and the innovative mind is cultured to dream and work towards higher goals of life. The friends during the UG studies of 4 years will remain for decades. With today's connectivity, the bondage will only get strengthened as years go by.

To celebrate the success and to thank all for their contributions to the campus as the "SECOND BATCH", Department has organized a simple "Farewell" function on 13th March 2021 (Saturday).

Students were excited to be the part of the Farewell function and there were so many appreciation from students. Abhishek S quoted “The knowledge that you imparted to us is one of the most valuable things in our lives. This knowledge that you gave us will be our weapon for the life ahead. Respected teachers, you occupy a very high status in the life of every student.”

Fiona Aljo expressed her feelings like “It’s not just memories but also the lessons will have a great impact on our transformation to be an adult and our college without a doubt has made me an independent person and tough enough to face the difficulties that will come over time.”

Tejaswani words are “It seems like yesterday when we joined this college like reluctant caterpillars when our parents dropped us off at the college hostel. And then time just started to fly so quickly. The four years of our lives just flew away fast. When we look back at this wonderful journey, we remember the morning bell, lunch hours where the day scholars used to get extra tiffins for the hostellers, those long queues in the cafeteria, the evening walks, night time snacks, night-long chats and many more.”

“It is the supreme art of the teacher to awaken joy in creative expression and knowledge.” – Albert Einstein. The faculties of Department of ECE supports and guided students in all the way and expressed few words for students.

Dr Vaibhav A Meshram, Chairman quoted “The best thing about department is that they teach you to think outside the box. No problem in life is big enough as long as you have that ability. Farewell!”

Dr.Theodore C, Associate professor quoted “Farewell to the most amazing class ever. This institute will always miss you so dearly. May you be victorious in all spheres of your life!”

Mrs.Kanmani B S, Assistant Professor wished students like “You have gained all the knowledge, skills and wisdom you need in life. From now on, it’s all about continuous self-improvement. Happy Farewell!”



DAYANANDA SAGAR UNIVERSITY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



BATCH OF 2016 - 2020

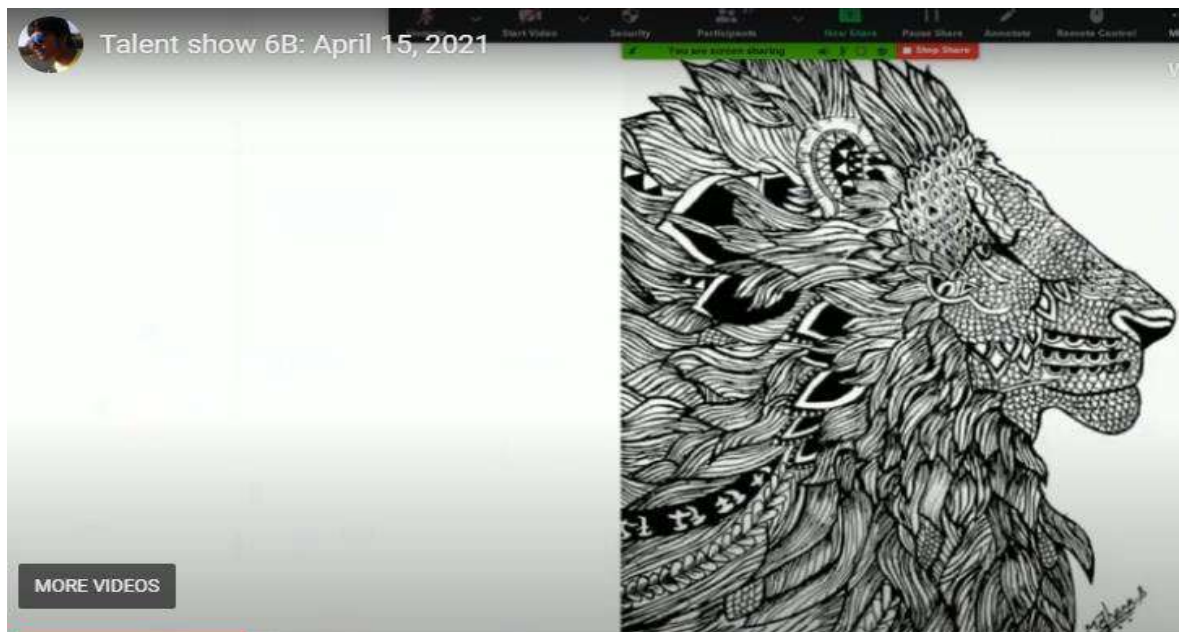
52. The Industrial Visit to Gill Instruments on 30th March 2021

The Industrial Visit to Gill Instruments proposed by Dr. Saara K gave the exposure to learn more about IoT in the practical domain. We visited the Gill Campus situated in Electronics City, Bangalore on the 30th of March 2021. Mr. Gurjit Singh Gill, the founder of Gill Instruments, very patiently explained about all their products and upcoming projects in detail. Some of the projects learned about are Wireless Level Management, Smart Pump Controller, Smart Water Meter, Wireless Energy Monito, Diesel Generator Management, Wireless Temperature Monito, Smart Home Automation.



53. Kalakrithi- Virtual event by ECE 6th Semester students on 15th April 2021

Online classes have become the new norm for students. Pre pandemic, students would start their day journey from Canteen with a sip of tea and then rush to the first hour class at 8.45 a.m. During the weekend, we could see crowd of students cheering their friends up for a sports event or cultural vaganza. Amidst the pandemic, we wanted to cherish those memories again, rejuvenate our rigid body and mind back. This thought paved the way for an online event Kalakrithi. The co-curricular activity was held to bring out the artist in every student. Many students had performed, exhibited their art work, skills with Rubik's cube etc. These performances were broadcasted online through Zoom and also streamed on Youtube. The main goal behind Kalakrithi was to bring out organizational skills and self confidence among our young buds. Saransh Oberoi had hosted the whole event wonderfully under the guidance of Prof.Nandini Rao Asst.Prof. EC dept.





54. Digital Communication Mini project Online Demo on 24th April 2021.

Digital Communication Mini project online demo for 6th semester ECE students was held on 24th April 2021. Students presented the project in team and best 3 projects was selected. Event was organised by Dr. Saara K, Associate Professor, Mrs. Divyashree H B, Mrs. Navya R, Mrs. Shwetha M P and Mr. Puneeth S, Assistant Professor.

Dayananda Sagar University
School of Engineering,
Kudlu Gate, Bangalore

Department of Electronics & Communication Engineering
Organizing

**DIGITAL
COMMUNICATION
MINI PROJECT
ONLINE DEMO 2021**

**24TH APRIL 2021,
9:00 AM-1:00 PM**

Links for joining the Project Demo
meet.google.com/dxu-aupd-ypq
<https://meet.google.com/dox-eixc-ger>
<https://meet.google.com/anh-jhne-cdy>
meet.google.com/iuw-zxbw-uni
<https://meet.google.com/ovk-rqrc-buv>

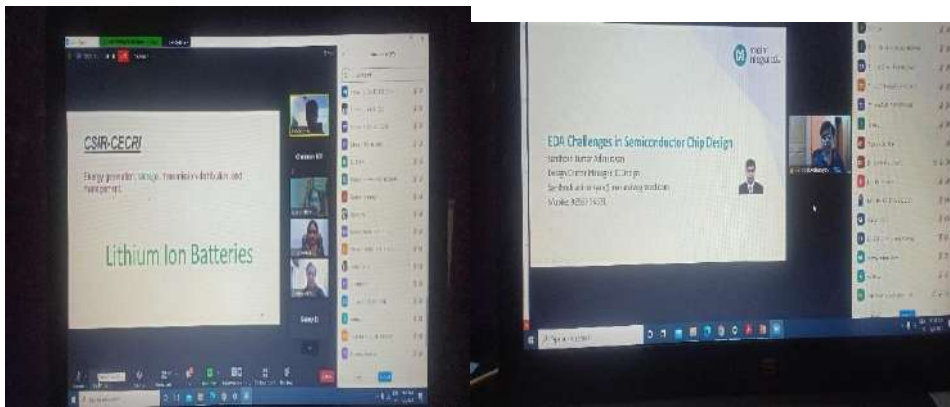
<p>For Enquiries Contact: DC Lab Incharges</p> <p>Dr. Saara K, 9620461641 Mrs. Divya H B, 9945180357 Mrs. Navya R Mrs. Shwetha M P Mr. Punith S</p>	<p>Eligibility: 6th sem students of ECE</p> <p>Guidelines: Students must prepare a presentation and exhibit a demo of their projects. 3 Best projects will be selected and certificates will be awarded for the same.</p>
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55. CONFERENCE ON RECENT TRENDS IN ENGINEERING -NCRTE 2021 on 3rd, 4th May 2021

A Two-day NATIONAL CONFERENCE ON RECENT TRENDS IN ENGINEERING (NCRTE 2021) was organized by the Department of Electronics & Communication Engineering, School of Engineering, DayanandaSagar University, Kudlu Gate, Bengaluru on May 3 – 4, 2021. NCRTE 2021 was a forum for engineering graduate and undergraduate

students, Research scholars & delegates to present their research work as well as exchange knowledge on recent trends and developments in engineering. The Conference included Invited Lectures on Photonic Sensors, Embedded Systems, Augmented/Virtual Reality, Artificial Intelligence and Nanotechnology from eminent Academicians, Industry experts in addition to technical paper presentation sessions by the participants. The organizing chairs of this conference were Dr.Saara K, Dr.RajashreeNarendra and Mrs. Anna Merine George of ECE Department.

In the two day conference, five key note talks were delivered virtually on Zoom by eminent experts from Research Organisations, Academics & Industry such as Dr. J. Vinoth Kumar from CECRI, CSIR Chennai, Dr. P.C. Srikanth Professor at MCE, Hassan, Mr. Santhosh Kumar Adinarayan from Maxim Integrated India Pvt ltd., Dr.Rajkumar, Senior Scientist from CSIR-CSIO Chandigarh and Mr. MayankChakraverty, Senior Staff Engineer, AMS AG on various emerging technologies. Also 50 high quality plagiarism checked research papers were selected to be presented virtually on Google Meet in six parallel paper presentation tracks out of 72 research paper received. NCRTE-2021 was a great success and provided a medium for the interchange of knowledge on recent trends and developments in engineering.





56. PROJECT EXTRAVAGANZA on 5th May 2021

Department of Electronics & Communication Engineering, DayanandaSagar University, School of Engineering, Kudlu Gate, Bangalore, conducted project exhibition-“ONLINE PROJECT EXTRAVAGANZA” for its final year ECE students, on 5th May 2021. In view of the pandemic situation, the event was conducted over video conferencing platform which had over 85 participants. The event included invited lectures from external experts and project work presentation by the students in diverse fields. The co-ordinators of this event were Dr.Saara K and Dr. Gayathri K M., Dept. of ECE.

Eminent personalities from Industry and Academia Dr AnandRaghavendra Rao, from Otis Elevators, Mr. Gurjit Singh, from Gill Instruments, Dr. T.C Manjunath from DSCE and Mr. Santhosh K. Adinarayan, from Maxim Integrated India Pvt ltd., joined the event as Chief Guests and addressed the students on latest technological developments and future scope in the field of Medical, Agriculture and IOT. The students made poster presentations for 38 projects in 4 parallel tracks. The hardware and simulation results were demonstrated online to external and internal panel members. The projects content was focussed on various fields of engineering and technology finding application in, Defence, Medical, Environment and so on. The Experts panel evaluated the projects and declared the best project in each track.

The ‘Best Project award’ was given to: 1) Mr. Harshith K, guided by Mrs. DivyaShreeHB for his work on “Unmanned aerial vehicle ground control software” supported by Centre for Artificial Intelligence and Robotics, DRDO, Bangalore, 2) Mr.Alen Stein Reji, Ms.Arptha BS, Mr.Ashish TS Ireddy&Ms.GanaPriya V, guided by Dr. Gayathri KM for their work on “Medical Multi Parameter Monitor”,Patent filed 3) Mr.Rakesh kumar K, Mr.Rakshak P R, Mr.Robin Banerjee& Mr. Sagar S, guided by Dr.ChandrShekerBalure for their work on “Assisting health workers to avoid COVID-19 infection using IOT”, 4) Ms. Sneha, Ms.Snehashree M&Ms.Suhiephasameer, guided by Dr.Pushpamala S for their work on “Image Analysis Based Particle Pollution Estimation”.

DayanandaSagar University management is immensely glad and appreciates the efforts of its young soldiers for their enthusiasm and inclination towards creativity and innovation.

Photos:

Dayananda Sagar University
School of Engineering,
Kuvalli, Bangalore

Department of Electronics & Communication Engineering
Organizing

ONLINE PROJECT EXTRAVAGANZA 2021

5TH MAY 2021,
9:00 AM-1:00 PM

Inauguration Link: meet.google.com/zfg-tpms-jrq

Track Links:
Track 1: meet.google.com/nkl-mzyv-jku
Track 2: meet.google.com/fer-lwzq-yow
Track 3: meet.google.com/lfs-dovk-faz
Track 4: meet.google.com/uan-xeps-qli

Experts
Dr. Anand Raghavendra Rao, OIS
Sivator:
Mr. Gurjit Singh, OIS Instruments,
Mr. Sambhoji W. Adinarayan, Maxm
Integrated India Pvt Ltd,
Dr. T.C. Manjunath, Professor & HOD,
ECE, DACE.

Eligibility:
5th sem students of ECE

Guidelines:
Students must prepare a A5 size
poster
and exhibit a demo of their projects.
3 Best projects will be selected and
certificates will be awarded for the
same

For Enquiries Contact:
Project Coordinators:
Dr. Saira K. 9620461694
Dr. Gayathri K.M. 9886598418

Organizing Committee
Team ECE

