



# SCHOOL OF ENGINEERING

## SOE-BULLETIN

The Official Newsletter of **School of Engineering**



# SCHOOL OF ENGINEERING

## Vision

To Transform life through Excellence and Innovation on in Engineering Education and Research with an emphasis on Sustainable, Inclusive Technology and Global needs.

## Mission

To Develop School of Engineering at Dayananda Sagar University, as Eminence School by Imparting Quality Education and Research to generate highly Competent, Skilled and Humane manpower to face emerging Technological, Scientific and Social challenges with Ethics, Integrity, Credibility and Leadership.

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# SCHOOL OF ENGINEERING



**WORKSHOPS / SKILL DEVELOPMENT PROGRAMS**

## WORKSHOP ON CAREER LAUNCHPAD

The Department of Computer Science and Engineering in association with Full stack development has successfully conducted a one-day workshop on "Career Launchpad: A comprehensive guide to placement, higher studies and Entrepreneurship opportunities" on November 23, 2023 at Dayananda Sagar University, Harohalli, Bangalore. The session was led by Mr. Harsh Singh, Former SDE Intern @Fidelity Investments|2023 Google Summer of Code Specialist @CodeForces|knight@Leetcode and V U Bushra, Senior Software Developer @Birlasoft, Speaker, Entrepreneur. The workshop was organized by Dr. Basavaraj N Hiremath, Dr. Pramod kumar Naik and Dr. GousiaThahniyath. Their involvement underscores the commitment of the faculty to providing students with comprehensive guidance and support in navigating career options. This workshop appears to be a valuable initiative in preparing students not only for placements but also for higher studies and entrepreneurship opportunities. It reflects the department's dedication to offering a well-rounded education that goes beyond technical skills, encompassing career development and entrepreneurship. Such initiatives contribute to the overall growth and success of the students in their academic and professional journeys.





# SCHOOL OF ENGINEERING



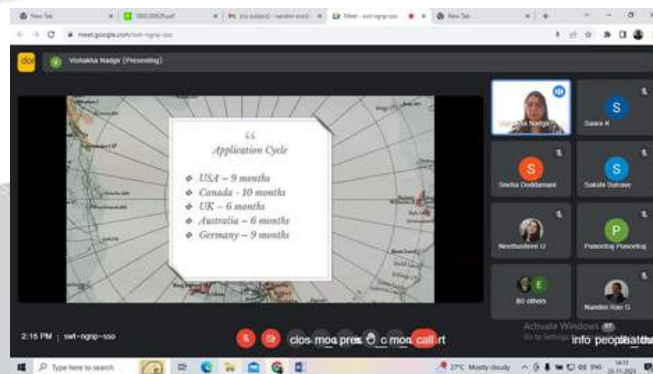
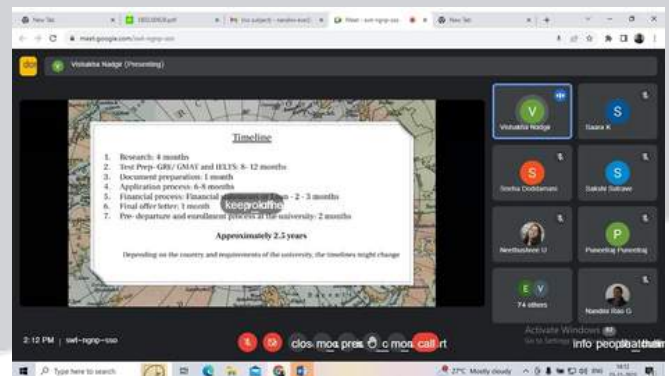
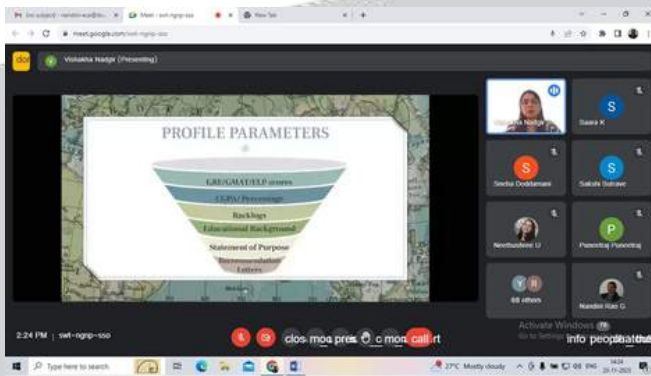
**WEBINARS / SEMINARS / TECHNICAL TALKS**

## WEBINAR ON “BEYOND BOUNDARIES - EXPLORE YOUR GLOBAL EDUCATION JOURNEY”

The Department of Electronics and Communication Engineering successfully organized a webinar titled "Beyond Boundaries - Explore Your Global Education Journey" on 23rd November 2023, commencing at 2 PM. The informative session aimed to broaden students' perspectives by delving into the significance of global education. Ms. Shruti Kulkarni, a distinguished senior counsellor from Texas Review, graced the event as the key speaker. Ms. Kulkarni provided valuable insights into education methodologies that emphasize the development of students' understanding of diverse cultures, global history, geography, and current events across the world.

### Highlights of the Webinar:

The webinar, "Beyond Boundaries - Explore Your Global Education Journey," with Ms. Shruti Kulkarni, highlighted the importance of studying abroad, covered requirements and international tests, explained application processes for major countries, discussed scholarships, profile building, visa procedures, and post-education career opportunities. Attended by 153 students, the session provided a comprehensive guide for a successful global academic journey.



# WEBINAR ON “SHAPING TOMORROW: ECE CAREERS, SEMICONDUCTORS AND HIGHER EDUCATION”

The workshop held on 20th November 2023 at DSU, Kudlu Gate, Bangalore. The resource person was our alumnus Mr. Abhinav Gullahalli Amarnath, Soc Engineer, Apple, USA. The webinar was organised by Dr. Saara K, Associate Professor ECE. The coordinators of the event are Dr Vinu R and Prof. Sivasankari S S. The active participation of the dedicated staff and enthusiastic students contributed significantly to the webinar’s success.

## Highlights of the Webinar:

The webinar explored various opportunity for the ECE graduates. Participants were introduced to various careers related to ECE domain like Electronics and Hardware Design, Telecommunications, Software Development, Robotics and Automation, Data Science and Artificial Intelligence. The agenda also included about Semiconductor Industry Overview and Wide Aspects of Semiconductor Industry. The students were given the detailed route map for doing Masters in the USA. Application Process, Financial Considerations like Scholarships and Assistantships and Work Opportunities.

**DAYANANDA SAGAR UNIVERSITY**  
SCHOOL OF ENGINEERING  
ELECTRONICS & COMMUNICATION ENGINEERING  
KUDLU GATE, HOSSUR MAIN ROAD, BENGALURU - 560114

**A WEBINAR ON**  
**SHAPING TOMORROW:**  
**ECE CAREERS, SEMICONDUCTORS, AND HIGHER EDUCATION**  
20th November 2023  
Time: 09:45 AM - 11:00 AM  
Resource Person: Our ALUMNUS

**Chief Patrons:**  
Dr. D. Hanumanthra Sagar, Chancellor  
Dr. D. Prameshendra Sagar, Pro-Chancellor

**Patrons:**  
Shri. Gulliswamy, Secretary, DSU  
Dr. K.N.S.Murthy, Vice-Chancellor  
Prof. E. Jeevarathna, Pro-Vice-Chancellor  
Dr. Anil Bhatt, Pro-Vice-Chancellor  
Dr. Puthanadappa, Registrar

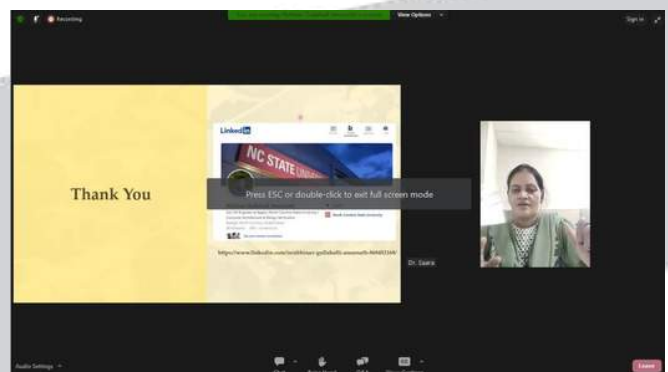
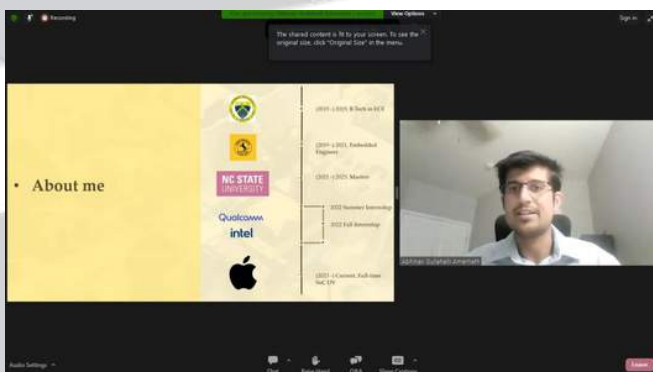
**Co-Chairs:**  
Dr. Udaya Kumar Ruddy K.K, Dean, SOE  
Dr. Arun Balaji, Chairman - ECE

**Organizer:**  
Dr. Saara K, Assistant Professor, ECE

**Coordinators:**  
Dr. Vinu R, Associate Professor, ECE  
Prof. Sivasankari S S, Assistant Professor, ECE

**Topic:**  
Career Opportunities for ECE Graduates  
• Electronics and Hardware Design  
• Telecommunications  
• Software Development  
• Robotics and Automation  
• Data Science and Artificial Intelligence  
• AI/ML  
Semiconductor Industry Overview  
• Wide Aspects of Semiconductor Industry  
• Fabrication Process  
• Design and Engineering  
• Quality Control  
• Research and Development  
• Growth Opportunities  
• Technology Advancements  
• IoT and AI Applications  
• Green Technology  
• Quantum Computing  
Overview of Doing Masters in the USA  
Application Process  
• Standardized Tests (GRE, TOEFL/IELTS)  
• Statement of Purpose (SOP)  
• Letters of Recommendation  
• Research Universities  
Financial Considerations:  
• Tuition and Fees  
• Scholarships and Assistantships  
• Work Opportunities  
Student Life and Networking  
• Cultural Adaptation  
• Networking Opportunities  
Internships and Co-op Programs  
Zoom Link:  
<https://zoom.us/j/920461841>  
For queries CONTACT:  
saara-ec@dsu.edu.in; 9620461841

**Mr. Abhinav Gullahalli Amarnath**  
Soc. DV Engineer  
Apple, USA



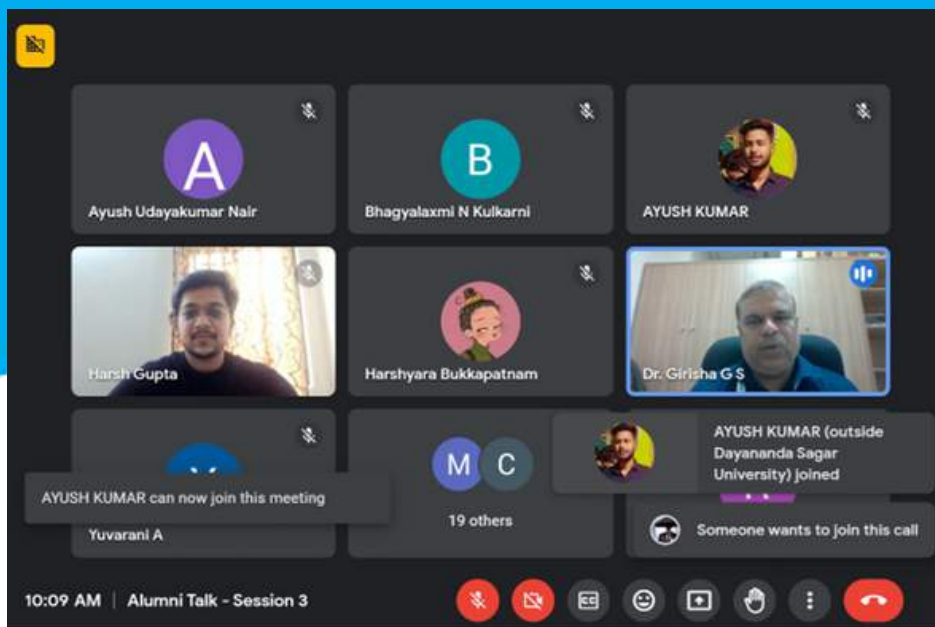
## WEBINAR ON "SUSTAINABLE WEB DEVELOPMENT"

The "Sustainable Web Development" seminar, which commenced on November 8, 2023, at 2:00 PM, was initiated with a warm welcome from the department. Professor Baskar, introduced the distinguished speaker, Mr. Trishal Dhaynanda who was an alumnus of 2021 batch. This session was attended by approximately 46 students from the third year of the CST department. Mr. Trishal Dhaynanda discussed about strategies for designing websites that minimize energy consumption and reduce the carbon footprint, the role of web hosting providers in sustainable web development, highlighting the importance of selecting eco-friendly hosting options and data centers. The seminar on sustainable web development provided a valuable platform for understanding the importance of sustainable practices in web development. Students gained insights into the principles, tools, and best practices that can be applied to create eco-friendly web solutions. Mr. Trishal Dhaynanda has given an opportunity for to students to apply for internship in his own company. Session concluded by thanking the guest, faculty and students for attending the session.



## ALUMNI TALK SERIES-SESSION 3 ON “GENERATIVE AI: BUILDING TOMORROW’S WORLD WITH AGI

The Department of Computer Science and Engineering has conducted Alumni Talk Series- Session 3 on “Generative AI: Building Tomorrow’s World with AGI” on 25th November, 2023. 53 CSE students have registered and participated in this event. The resource Person for this talk was Mr. Harsh Gupta, Founder and CEO, Snive- AI marketing solution, Bangalore. (Batch - 2017-2021) This session was organized by Alumni coordinator Prof. Rashmi Mothkur.





# SCHOOL OF ENGINEERING



**EVENTS: PROFESSIONAL SOCIETIES / CLUB ACTIVITIES**

## “Unifying Data Science: Cooperative Strategies for Tackling Complex Problems”

The Data Science @DSU Club, the Department of CSE (Data Science) organized a workshop on “Unifying Data Science: Cooperative Strategies for Tackling Complex Problems” held on 6th Nov 2023 organized by Prof. Monish L, Assistant Professor, Dept. of CSE (Data Science), and Prof. Manjula M, Assistant Professor, Dept. of CSE (Data Science).

The session was graced by the esteemed presence of Mr. Arun Kumar, the Founder and CEO Nikkibuild, who shared his wealth of knowledge and experience on how to prepare for a successful career in industry as an entrepreneur. The session commenced with an overview of the dynamic data science landscape.

A rapid prototype building with low code for industry 5.0 Interaction with every line of coding which makes learning more practical and creative. As the agenda of industry 5.0 for Human machine collaboration is implemented in more than 20 models were demonstrated in the session, such as working of Zomato, self-driving JCB model, oximeter, touch less controls.

Resource Person: Mr. Amruth Raj and Mr. Arun Kumar, Founder & CEO of Nikki Build, Bangaluru.



## YANTROVE CHAPTER-1

This event was organized to enhance the skills and ideas towards Artificial Intelligence and Robotics for DSU B. Tech Students. Yantrove chapter-1 had a guest lecture by Mr. Harsh Singhal, industry expert. Mr Harsh shared his knowledge and experience in industry with students. Students had an opportunity to clarify their doubts with Mr Harsh.

Resource Person: Mr. Harsh Singhal  
Head of AI&ML At Koo

Mode: ONLINE session  
Date: 17-11-2023  
Time: 09:00 AM to 10:00 AM

Faculty Coordinator:  
Prof. Subhash Mondal, Assistant Professor, Department of CSE (AI & ML)  
Prof. Mitha Guru, Assistant Professor, Department of CSE (AI & ML)

Convenor:

Dr. Udaya Kumar Reddy K R, Dean, School of Engineering.  
Dr. Jayavrinda Vrindavanam V, Professor and Chairperson, Department of CSE (AI & ML).

**यंत्रोवे: Chapter I**  
EVENT FLOW

**Talk by Industry expert**  
Mr. Harish Singhal  
Head of AI&ML at Koo.  
Topic: "Exploring AI and Robotics"

**Project Demonstration**  
1) Shashwat Saini will showcase his project based on AI&ML.  
2) R Sujay will showcase his project Jayayu based on Robotics.

**Colloquium**  
First 5 students who register will get a chance to deliver a presentation to our esteemed audience, where they can demonstrate their exceptional presentation skills.

**Prize Distribution**  
Celebrate innovation as we recognize and reward outstanding participation.

Person of Contact:  
Neha Anil - 3rd Semester - CSE(AI&ML) - 9873402943  
Manish Kumar - 3rd Semester - CSE(AI&ML) - 941998386

SCHOOL OF ENGINEERING  
DAYANANDA SAGAR UNIVERSITY  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (ARTIFICIAL INTELLIGENCE & MACHINE LEARNING)

**यंत्रोवे**  
**CHAPTER I**

**Date:**  
Friday  
17th Nov '23  
8:45am

Dive into the future with our AI & Robotics Symposium—an all day extravaganza that promises to ignite your curiosity and push the boundaries of innovation!

09:15 AM - 10:00 AM • Talk by industry expert  
10:00 AM - 10:30 AM • Project Demonstration  
10:45 AM - 01:00 PM • Colloquium  
01:00 PM - 01:15 PM • Prize Distribution

**Venue:**  
Lecture Hall I  
Ground Floor

Convenors:  
Dr. Udaya Kumar Reddy KR, Dean of SOE  
Dr. Anil Kumar Praveen Chandraiah, CEO  
Dr. Jayavrinda Vrindavanam, Professor and Chairperson- CSE (AI & ML)  
Dr. Harish K. Sulligotter, Dean(Academic & Technology)

Faculty Coordinators:  
Prof. Mitha Guru, Assistant Professor, Dept. of CSE(AI&ML)  
Prof. Subhash Mondal, Assistant Professor, Dept. of CSE(AI&ML)



## CELEBRATION SUVARNA KARNATAKA RAJYOTSAVA WITH ONLINE SINGING COMPETITION

On the eve of Suvarna Karnataka Rajyotsava, Music and Cultural Club of SoE in association with Department of CSE (Cyber Security) conducted Online Singing competition for Teaching and Non-Teaching Staff and their Family Members on 01st November 2023, from 5:00 PM to 6: 45 PM. Around 25 Members attended the event and 9 members participated in the competition. The list of Prize winners is as shown here.

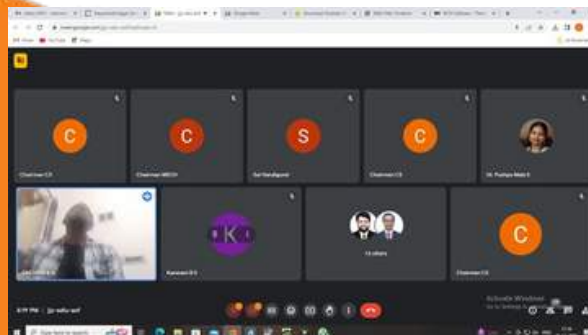
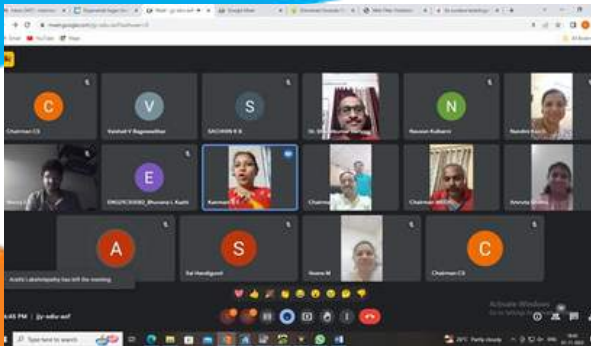
First Prize – Mrs. Aarathi L from Dean’s Office

Second Prize -- Smt. Nandini Rao, Department of ECE

Third Prize -- Smt. Vaishali Bagewadekar, Department of CSE(DS)

Consolation Prize -- Mr. Sachin, Department of CSE.

Special Prizes were awarded to Mr. Manoj (S/O Prof. Kanmani B. S.), Kumari. Surabhi (D/o Prof. Veena M) and Kumari Anagha (D/o Prof. Vaishali Bagewadekar).



## CELEBRATION OF KANAKADAASA JAYANTI AND MUSIC CLUB AUDITIONS:2023-24

On the occasion of Kanakadaasa Jayanti on 30th November 2023, Kalaaradhana, the Music Club of SOE, DSU, paid the tribute to the great saint of 15th-16th Century, who gave great messages to eradicate the casteism and preached about bringing in social Reforms, by singing some songs written by him. In the event devotional songs were sung by Mr. Tushar M. student of Dept. of CSE (Cyber Security), SoE, DSU, Mukund K. Malagi and Surabhi K. Malagi. Prof. Naveen Kulkarni was on Tabla and Vidwan. Raveendra Malagi was on Harmonium.

Later the auditions for Music Club for Hostilities were organized. The student coordinators for this event were Bhuvana L. Kashi (5th Sem CSE), Sai Prasad H. (5th Sem CSE), Tushar M. (1st Sem CSE(CS)) and Daksh Balai (1st Sem CSE). The Music Club Coordinator Dr. Kiran B. Malagi, Chairman, Dept. of CSE(CS), SoE, DSU and Prof. Naveen Kulkarni, Assistant Professor, Dept of CSE(CS), were in the selection committee. Totally 19 students [Hostilities only] registered for the event out of which 10 were selected. The Second round of selection for Day Scholars is scheduled on Monday i.e., 04th December 2023. The Cultural coordinators of SoE, Prof. Kanmani B S and Prof. Veena M were also present for the event. The event was hosted by Mr. Sai Prasad H.



## DIYA ILLUMINARE: "DESIGNING LIGHT AND BEAUTY" DESIGNING LIGHT AND BEAUTY

The Data Science @DSU Club, the Department of CSE (Data Science) organized a Diya Illuminare: "Designing Light and Beauty" Designing Light and Beauty held on 3rd November 2023 organized by Prof. Shivamma D, Assistant Professor, Dept. of CSE (Data Science). The targeted audience was B.Tech students (all Branches).

Deepawali' – a festival of light and happiness, symbolizes the victory of good over evil, brightness over darkness and truth over falseness. This festival helps people to find moments of joy and happiness amongst their jam pack daily routine. The most traditional and closer to heart way to celebrate this festival is by lighting diyas and candles. Enlighten this festival through diyas symbolizes the supremacy and consequence of brightness over darkness.

Winners of the event:

1st Place: Vaishnavi N M and Usha DK.

2nd Place: Thrisha P, Raksha U and Pragna G.

3rd Place: Manoj G Sanningammanavar, Anoop pola and Girish.



## DSU ACM STUDENT CHAPTER: BYTE BOUNTY

"Byte Bounty, hosted by our ACM student chapter in collaboration with the Computer Science and Engineering department, captivated the tech enthusiasts on November 24th, 2023. This thrilling competition brought together aspiring programmers and innovators, challenging them to showcase their coding prowess and problem-solving skills. With an electric atmosphere and a byte-sized challenge lineup, Byte Bounty not only celebrated technical excellence but also fostered a vibrant community of students passionate about computer science. Participants delved into a world of coding challenges, teamwork, and creativity, making Byte Bounty a memorable event that echoed the spirit of innovation within our academic community".



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**SCHOOL OF ENGINEERING**


DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING  
DSU ACM STUDENT CHAPTER

# ByteBounty

NAVIGATE LABYRINTHS, UNEARTH HIDDEN FLAGS, AND PROVE YOUR HACKING PROWESS IN THIS CAPTURE THE FLAG CHALLENGE

**VENUE : LECTURE HALL 6 (102)**  
**DATE: 24/11/2023**  
**TIME: 9:30 AM to 01:00 PM**

SCAN & REGISTER NOW!



Registration fee  
₹50 per team

**TEAM SIZE**  
2-3 (MIN AND MAX)

**Conveners :**  
Dr. Udaya Kumar Reddy KR  
Professor-CSE, Dean-SOE,DSU  
Dr. Girisha G S  
Professor & Chairperson,  
Dept. of CSE,SOE,DSU

**Student Coordinators :**  
EESHAAN U BHAT : 83104 26421  
AMRUTHA SHARON : 74061 11088

**Faculty Coordinators :**  
Dr. Meenakshi Malhotra  
Associate professor, Faculty Sponsor,  
DSU ACM Student Chapter  
Prof. Naitik S T  
Assistant Professor , Dept. of CSE



**SCHOOL OF ENGINEERING**

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING  
DSU ACM STUDENT CHAPTER

### Rules and Regulations

**{Particular\$}**

- Team Size: 2-3 members
- Time Limits: 180 minutes
- Eligibility: Open to all students regardless of semester or field of study.
- Registration Fee: 50 per team.

**{Skill-RequireMent\$}**

- Engage in Reverse Engineering, Forensics, and web exploitation challenges.
- Usage of Google is allowed for competition and preparation, and is highly encouraged.
- NO PRIOR EXPERIENCE REQUIRED!

**{ScORing-System\$}**

- Challenges grant points, tallied on a scoreboard.
- Winners based on total earned points, tiebreaker included.
- Watch for website updates during the event.

**{TOOl-Limit@tiOn\$}**

- Usage of Google is allowed for competition and preparation, and is highly encouraged.
- No restrictions on strategies to obtain the flag.

**{PrOHibiteD-aCtiOn\$}**

- No DDoS or server disruption attempts allowed.
- Avoid attempting to brute force flags; each question restricts attempts to 10 per minute to prevent repetitive tries



## IDEATHON 2023

This event was organized to enhance the skills and ideas towards recent technologies for DSU B.Tech Students. Ideathon 2023 had 2 sets of rounds where students are asked to present their idea for the given problem statement.

Date: 3rd November 2023

Convener: Dr. Jayavrinda V, Professor and Chairperson, Department of CSE (AI & ML)

Faculty Coordinator: Prof. Pradeep Kumar K, Dr. Mary Jasmine, Prof. Mitha Guru, Assistant Professor, Department of CSE (AI & ML)

Student Coordinators:

Mr. Anuj Diwedi, Mr. Harsha Tejas, Mr. Chethan, Ms. Neha Amin, Student, Department of CSE (AI & ML).



## **CRAFTING CAREERS: “NAVIGATING SUCCESS THROUGH CSE DEPARTMENT'S TRANSFORMATIVE PLACEMENT TRAINING”**

In a proactive step towards shaping the future careers of its students, the Department of Computer Science at Dayananda Sagar University recently organized a comprehensive placement training program for 3rd semester students. The event, held on November 15, 2023, aimed to equip students with the necessary skills and insights to excel in the competitive job market. The placement training program was tailored to meet the unique needs of 3rd semester students, providing them with a head start in their journey towards securing internships and placements. The event witnessed active participation from a significant number of 3rd semester students, highlighting their eagerness to learn and excel in their professional journeys. The success of the placement training program reflects the commitment of the CSE Department at Dayananda Sagar University to the holistic development of its students. By providing them with the tools and knowledge needed to navigate the competitive world of placements, the department is empowering its students to confidently step into the professional arena.



# SCHOOL OF ENGINEERING



**INDUSTRIAL VISITS**

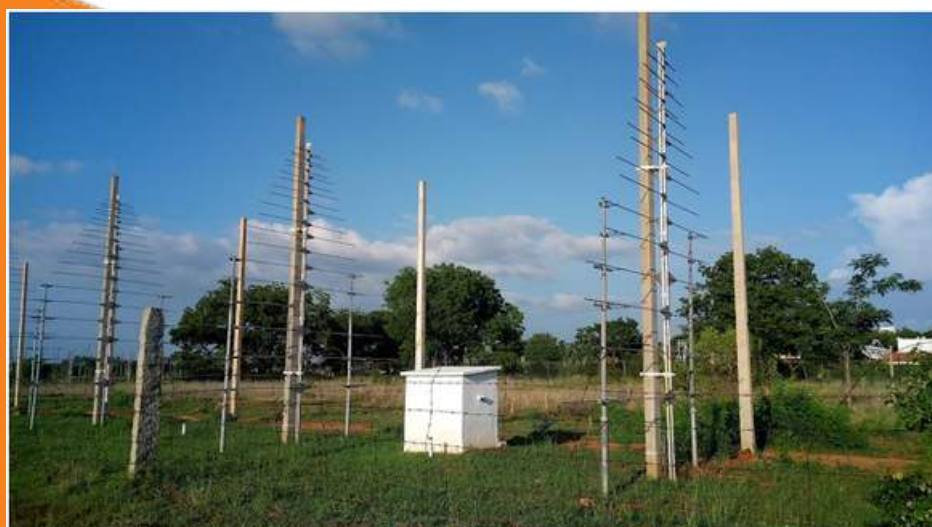
## INDUSTRIAL VISIT

Department of Electronics and Communication engineering, School of Engineering, Dayananda Sagar University had organized an industrial visit to ISRO telemetry tracking and command network at Baylalu on 31st October 2023. Sri Sankar Madhaswami, Manager, HRD, ISRO welcomed the students and explained us the basic Motto of ISRO: Service to mankind. He also showed different centres in India and their functions such as URSC, MCF Hassan, NRSC. He gave information about different types of launch vehicles and insights on Chandrayaan 2, Chandrayaan 3 also on Mars Orbit Mission. Then junior scientists from ISRO described the main function of data centre, how the images will be captured by high resolution optical cameras etc. Students were fascinated by the navigation system developed at ISRO that is NAVI-C. And then we visited the 18 m antenna and 32 m antenna which are of very high directivity and user beam waveguide. During this visit, the engineers discussed the complete downlink communication system. Along with, students were also informed about career opportunity in ISRO.



## INDUSTRIAL VISIT TO THE OBSERVATORY OF INDIAN INSTITUTE OF ASTROPHYSICS (IIA)

The Radio Observatory of IIA at Gauribidanur, near Bangalore, Karnataka operates a radio telescope. It is operated jointly by Raman Research Institute and the IAI. The observatory has been in operation since 1971. The III Sem students of the Department, led by Professors Prasanthakumar, Sripad and Harish KL visited the Observatory. The participants got an excellent exposure to latest measurement techniques used for measurement of radiation emission from the Sun and other celestial bodies.



## INDUSTRIAL VISIT ON GLOBAL BIO- INDIA 2023

Faculty, students, and researchers from the Computer Science and Engineering (CSE) Department attended the Global Bio-India 2023 event at the Majumdar Shaw Medical Foundation. Both student teams and faculty teams showcased their healthcare projects at the event. This not only highlights the department's commitment to innovation but also provides a platform for sharing their work with a broader audience. The presence of esteemed guests, including Mrs. Richa Vashishta (Manager, BIRAC), Mrs. Ankitha Kumar (Co-founder, Mocxa), and Mr. Nikhil Cartosense, suggests the event attracted notable figures in the industry. Students were encouraged to apply for E-Yuva and Sitara funding from BIRAC. This indicates a proactive approach to securing financial support for the innovative projects presented at the event. The fact that doctors with their own companies expressed interest in student resumes suggests potential internship opportunities for students within these healthcare-focused enterprises. The event provided an excellent networking opportunity, facilitating connections between students, faculty, startup CTOs, founders, doctors, and researchers. Such networking can lead to collaboration, mentorship, and future partnerships on 25th November 2023.



## INDUSTRIAL VISIT NOKIA

"On November 20th, 2023, the Department of Computer Science and Engineering orchestrated an enlightening industrial visit to Nokia, providing students with a first hand glimpse into the cutting-edge technologies and innovations driving the tech industry. The visit served as a bridge between classroom learning and real-world applications, offering students valuable insights into Nokia's operations, research, and development. It was an opportunity for our budding engineers to witness the practical application of theoretical knowledge, fostering a deeper understanding of the industry's dynamics. The visit not only expanded their horizons but also inspired a new wave of curiosity and enthusiasm within the realm of Computer Science and Engineering."





# SCHOOL OF ENGINEERING



## **FACULTY ACHIEVEMENTS**



**Dr. Monika Goyal**  
**Associate Professor**  
**Department of AI & ML**



**Prof. Aparijita Singh**  
**Assistant Professor**  
**Department of AI & ML**

- Dr. Monika Goyal & Prof. Aparijita Sinha, Springer, Contrast Enhancement of Medical Images using Otsu's Threshold, 17th Nov 2023, 5th International Conference on Communication and Intelligent Systems, NIT Jaipur, <https://scrs.in/conference/ICCIS2023>.
- Dr. Monika Goyal & Prof. Aparijita Sinha, Springer, Potential Exoplanet Detection using Feature selection, multilayer perceptron, and supervised machine learning, 17th Nov 2023, 5th International Conference on Communication and Intelligent Systems, NIT Jaipur, <https://scrs.in/conference/ICCIS2023>.
- Dr. Monika Goyal & Prof. Aparijita Sinha, Springer, Twitter Sentiment Analysis using Machine Learning Algorithm: A Survey, 17th Nov 2023, 5th International Conference on Communication and Intelligent Systems, NIT Jaipur, <https://scrs.in/conference/ICCIS2023>.



**Dr. Shaila S G**  
**Professor & Chairperson**  
**Department of Data Science**



**Prof. Monish L**  
**Assistant Professor**  
**Department of Data Science**

- Dr. Shaila S G and Monish L Presented a Tech Talk on ALTAIR DATA SCIENCE DAY organized by Altair, Bangalore on 2nd November 2023.



**Dr. Shaila S G**  
**Professor & Chairperson**  
**Department of Data Science**



**Prof. Shivamma D**  
**Assistant Professor**  
**Department of Data Science**

- Dr. Shaila S G and Shivamma D have participated “CoreEL Edu Summit 2023” on Powering AI System Simulation in collaboration with MathWorks & AMD-Xilinx held on November 28th 2023.



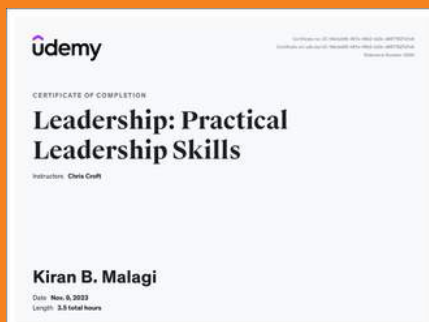
**Dr. Kiran B Malagi**  
**Professor & Chairperson**  
**Department of (Cyber Security)**

1. Completed the Online Course through Udemy:

- The Complete Agile Scrum Fundamentals Course + Certification on 9th Nov 2023
- Leadership: Practical Leadership Skills on 9th Nov, 2023.

2. Completed Course in Coursera

- Foundations of Cyber Security (First course out of 8 Courses in Google Cybersecurity Professional Certificate)





**Prof. Shivamma D**  
**Assistant Professor**  
**Department of Data Science**

- R. D. Lohith, Shivamma. D, Manju Swaroop V, Sukrutha S Rao and Sukrutha G, "Rat Swarm Optimization and Machine Learning Algorithms for Accurate Leukemia Diagnosis via Gene Expression Analysis," 2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT), Delhi, India, 2023, pp. 1-5, doi: 10.1109/ICCCNT56998.2023.10307762.



**Dr. Ravinder Singh Kuntal**  
**Associate Professor**  
**Department of Mathematics**

- MoUs: Dr. Ravinder Singh Kuntal & his team got acceptance of MoU from Mazumdar Shaw Medical Foundation-TBI by means of exchange of g-mails and telephonic conversations. Topic: "AI based applications focusing areas like AI in healthcare "
- Consultancy: Dr. Ravinder Singh Kuntal & his team applied for collaborative Research partnership in water resource optimization and management (BWSSB).
- Patent: There are 2 patents by Dr. Ravinder Singh Kuntal & his team  
(a) A SYSTEM FOR DETECTING DISEASES IN PLANTS AND A METHOD THERE OF.  
(b) A ROBOTIC GLOVE SYSTEM FOR HEALING USING MUDRA THERAPY.
- Paper Presentation: Dr. Ravinder Singh Kuntal presented a paper in the International Conference on Recent Trends in Commerce, Management, Science & Engineering jointly organised by Maharani Cluster University, Bengaluru & RSP Conference HUB, Coimbatore, T.N.



**Dr. Revathi V**  
Associate Professor  
Department of CSE

Dr. Revathi V. has been granted the UK design patent entitled “AI-ENABLED CHARGING STATION FOR ELECTRIC VEHICLES” on 14th November,2023 with submission Number 6324117.



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

Dr. Rajesh T.M. published an IEEE Conference paper titled” OrthoS Net: A framework for Identifying and Verifying Tuberculosis in Chest Radio graph images using Discrete Orthonormal Stockwell transform” indexed in Scopus on 28th November,2023.



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

Prof. S Maragatham completed a MOOC Course on NPTEL titled “Python for Data science” course duration from August-October, 2023.



**Elite**  
**NPTEL Online Certification**  
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This certificate is awarded to  
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**Python for Data Science**

with a consolidated score of **62** %

Online Assignments	25/25	Proctored Exam	36.63/75
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Total number of candidates certified in this course: 7596

*Devendra Jalilhat*  
Prof. Devendra Jalilhat  
Chairperson,  
Centre for Outreach and Digital Education, IITM

Jul-Aug 2023  
(4 week course)

*Prof. Andrew Thangaraj*  
Prof. Andrew Thangaraj  
NPTEL, Coordinator  
IIT Madras

Indian Institute of Technology Madras

swayam

Roll No: NPTEL23CS99S14640382 To verify the certificate

No. of credits recommended: 1 or 2



**Prof. Baskar Venugopalan**  
**Professor of Practice**  
**Department of CST**

Prof. Baskar Venugopalan has presented a paper titled as "A Comprehensive Survey on the role of explanation in AI: A Case Study on Prediction of Gross Value " in 2nd International Conference on Computing, Communication and Cyber-Physical Systems (IC3CPS2023), held at REVA University on 20th & 21st October 2023.



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

Reviewed papers in IEEE International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics (2023 IEEE Conference Record #58830) organized by IEEE Mangalore subsection at Sahyadri College of Engineering and Management, Adyar, Mangalore, Karnataka, Oct 13-14, 2023.





# SCHOOL OF ENGINEERING



**STUDENT ACHIEVEMENTS**

- Mr. Suchith Mohare [ENG21AS1010], Mr. Nagaraju KP [ENG20AS0014] has presented a paper titled “Model Making using Digital prototyping” at BNMIT, Bangalore on 23-24 Nov 2023, a work carried out by them under the guidance of Prof Sripad Kulkarni S.



- R. D. Lohith [ENG20DS0032], Shivamma. D, Manju [ENG20DS0023]Swaroop V, Sukrutha S Rao [ENG21AM3022] and Sukrutha G [ENG20DS0040], "Rat Swarm Optimization and Machine Learning Algorithms for Accurate Leukemia Diagnosis via Gene Expression Analysis," 2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT), Delhi, India, 2023, pp. 1-5, doi: 10.1109/ICCCNT56998.2023.10307762.
- Ms. Manjusha Kulkarni [ENG22PFCS02] completed a MOOC Course on NPTEL titled “Research Methodology” course duration from August-October, 2023.



Roll No: NPTEL23GE36S532300020

To verify the certificate



No. of credits recommended: 2 or 3



- 5th Sem CSE students Chirag Aswal (ENG21CS0096), Aditya Pandey (ENG21CS0014), Bhagyalakshmi R A (ENG21CS0071) presented their Special Topic Project in the REVA HACK 2023 (track: IOT and Machine learning and cloud) a 36-hour hackathon held from 2nd Nov 2023 to 4th Nov 2023 at Reva University, Bengaluru under the guidance of Dr. Pramod Kumar Naik, Associate Professor, CSE. They successfully concluded the development of the project: Advanced Waste Management System and won the prize (IoT kit) for the Best implementation of MongoDB.

- Mr. Chandru R., final year student (ENG21CS1004) has secured a prestigious position among the top 100 winners in the "National Level Quiz Competition" organized by Apponix Academy.
- Mr. R. Keerthish Kumar [ENG21CT0032], Mr. Pruthvi [ENG21CT0031], Mr. Manoj Kumar R [ENG21CT0023], Mr. Hemant Sudarshan Balivada [ENG21CT0010] participated 2023 IBM Z Datathon-Global Hackathon Event in Bengaluru.
- To mark the 75th anniversary of the Aeronautical Society of India a competition was held by the Society at the Yashobhoomi Convention Centre, New Delhi, during 18-19 November 2023. The event was inaugurated by the President of India and Dr. S. Somnath, Chairman of ISRO. Students of the Department, Rishi Sood [ENG20AS0024], Nischay B K [ENG20AS0016], and Jason Joseph [ENG20AS0006] were awarded the First Prize. They received the award from Dr Abhay Pashilkar, Director, National Aerospace Laboratories, Bangalore and Dr Rajkumar Pant, Professor, Dept of Aerospace Engineering, IT Bombay. The Department wholeheartedly congratulates the Team.



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