



DAYANANDA SAGAR  
UNIVERSITY



SCHOOL OF  
ENGINEERING

## SOE - "The Weekly Buzz"

The Official Weekly Newsletter of **School of Engineering**



Week#37 (Sep 09 to 14, 2024)

[www.dsu.edu.in](http://www.dsu.edu.in)

# SCHOOL OF ENGINEERING

## VISION

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

## MISSION

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

# Partnership and collaboration with Industry

The Dayananda Sagar University (DSU) signed a significant MoU with NASSCOM on 6th September 2024, at the School of Engineering (SOE) campus in Harohalli. This collaboration is set to bridge the gap between academia and industry in a rapidly evolving technological fields such as artificial intelligence, cloud computing and data science. NASSCOM's industry-leading resources and expertise contribute to the career prospects of DSU students and further creating an innovation ecosystem. The event marks an important milestone in DSU's consistent efforts to equip the students with an exposure to cutting-edge, industry-relevant knowledge.



# Faculty Contributions

## Department of CSE

Dr. Savitha Hiremath, Associate Professor, Department of CSE served as a member of the Advisory Committee for the 3 Days Faculty Development Program on “Inculcating Best Research Practices” during August 2024 at Vivekananda College of Engineering and Technology, Puttur, Dakshina Kannada, Karnataka.



Dr. Gokulkrishnan S, Assistant Professor Department of Computer Science Engineering has successfully completed Faculty Development Program on “MERN Stack Web development” from Microsoft India & SAP India led under Tech Saksham Program from “20th to 24th August 2024”.



# Departmental Activities

## Department of CSE

Department of Computer Science & Engineering has organized a talk on “The Spark that ignited: how research fueled my passion” on 14th Sep 2024 for the 5th & 7th Semester Students. The resource person was Nyrika Bhargavaram Renuka, Software Engineer II (AI/ML) at Lucid Motors Education, MS in Computer Science, Boston University, Specializing in AI/ML applications in the automotive industry.

The Faculty Coordinators for the session were Dr. Rajesh T M & Praveen Kulkarni, Associate Professor, Department of CSE and Dr. Renukadevi M N, Assistant Professor, Department of CSE. The Spark that Ignited of an inspiring session was the transformative potential of research in academic and professional life.



**DAYANANDA SAGAR UNIVERSITY**  
School of Engineering  
Deventerganahalli, Hosur Road, Bangalore Road, Bangalore Dist - 562 112  
Department of Computer Science and Engineering

**Alumni Talk series**  
Session - 1

**Topic:** "The spark that ignited: how research fueled my passion"

**Resource person**  
Nyrika Bhargavaram Renuka  
Software Engineer II (AI/ML) at Lucid Motors Education, MS in Computer Science, Boston University

**Facility Coordinators**  
Dr. Rajesh T M  
Associate Professor, Department of CSE  
Dr. Praveen Kulkarni  
Associate Professor, Department of CSE  
Dr. Renukadevi M N  
Assistant Professor, Department of CSE

**Objectives**

- To motivate the youngsters to pursue higher studies.
- To do research in Multidisciplinary domains.

**Chairs**  
Dr. Jayashree Hebbar  
Dr. Anand Kumar  
Dr. Shikha S S



## Industry Visit "IBM"

The Department of Computer Science Engineering has organized an Industry Visit "IBM" on 5th September 2024. The team included six Faculty members from the Department of Computer Science and Engineering and Mr. Nagendra Nithin, Communication Lead.

The primary objective of the visit was to gain insights into IBM's ongoing research projects, innovations, and market trends in areas such as AI, cloud computing, quantum computing, and cybersecurity. Additionally, the visit aimed to explore potential academic-industry collaborations and gain a deeper understanding of the technologies shaping the future workforce.

The visit was highly productive and provided an opportunity for future collaborations with IBM integrating valuable outputs for the students and the faculty.

### Key Highlights:

- Interaction with IBM Leaders.
- Focus on Emerging Technologies.
- Collaboration Opportunities.
- Curriculum Alignment
- Networking and Future Engagements.



# Internal Hackathon

Department of Computer Science & Engineering, a one-day event on “Internal Hackathon” for all the registered teams on 6th September 2024. The event was conducted as per the guidelines of SIH 2024 committee. 37 (Thirty Seven) Teams registered for the hackathon.

The six number team included the students of school of Engineering from different branches viz: Electronics and Communication Engineering (ECE), Computer Science and Engineering (CSE), Artificial Intelligence and Machine Learning (AI& ML), Data Science (DS), Computer Science and Technology (CST), Aerospace Engineering and Cyber Security and Mechanical Engineering. .

**DAYANANDA SAGAR UNIVERSITY**  
SCHOOL OF ENGINEERING  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
Smart India Hackathon 2024

Time: 9:00 am onwards  
Date: 06-09-2024  
Venue: U-3, Block A

**Internal Hackathon 2024**

**Organized by:**  
Dr. Kavitha Hiremath  
Associate Professor, CSE, SOE, I  
Prof. Neeladi K  
Assistant Professor, CSE, SOE, I

**Co-ordinators:**  
Dr. Kavitha Hiremath  
Associate Professor, CSE, SOE, I  
Prof. Neeladi K  
Assistant Professor, CSE, SOE, I

**Guests:**  
Uthage Ramana Reddy H K  
in-charge, SOE, DSU  
Girish G S  
Deputy and Chairman, CSE, SOE, DSU

Ministry of Education  
Smart India Hackathon 2024  
SCHOOL OF ENGINEERING

**Jury Members**

**Dr. Hanumanth Sastry Sista**  
Professor in Department of Computer Science Engineering (Artificial Intelligence (AI) and Machine Learning (ML))

**Smt Sneha Dabbadi Lakkhigasthi**  
Delivery Manager at SST GLOBAL, PRESTIGE SHANTINAGAR, Bangalore

**Dr. Rupan Bhaduri**  
Professor in Department of AI & ML

**Dr. Nagaraja S R**  
Professor & Chairman in the Department of Aerospace Engineering

**Vasu M Deshpande**  
CEO at Easyfly Software Pvt. Ltd. and Finerage Technologies Pvt. Ltd.

DSU



## Department of ECE

ELECTROBLITZ Club Under the Department of Electronics and Communication Engineering of Dayananda Sagar University conducted the event “PCB Designing Workshop Using KiCad” on 5th and 6th September 2024. The event took place under the guidance of Prof. Divyashree H B, Assistant Professor, ECE Dept. Convener, ELECTROBLITZ CLUB. The hosts of the event were Ms. Aarthi Nayak Ullal (PRESIDENT) and Mr. Pramath Gopal Bhat (VICE PRESIDENT) of the ELECTROBLITZ CLUB. 70 students registered and participated in the event.



ELECTROBLITZ Club Under the Department of Electronics and Communication Engineering of Dayananda Sagar University conducted the event “SDP-Hands on session on Communication Systems and Antenna Design” from 12th to 14th September 2024 . The event took place under the guidance of Prof. Divyashree HB, Convener, ELECTROBLITZ CLUB and Dr. Supraja Eduduru, Assistant Professor, Dept. Of ECE. The hosts of the event were Ms. Aarthi Nayak Ullal (President) and Mr. Pramath Gopal Bhat (Vice President) of the Electro blitz Club.



**ELECTROBLITZ CLUB PRESENTS**

## STUDENT DEVELOPMENT PROGRAM

12-09-2024 to 14-09-2024

### HANDS ON SESSION ON COMMUNICATION SYSTEMS & ANTENNA DESIGN USING MATLAB

**Organized By**

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



**Dr. Divyashree HB**  
ASSISTANT PROFESSOR  
DEPT. OF ELECTRONICS AND COMMUNICATION ENGINEERING  
DAYANANDA SAGAR UNIVERSITY



**Dr. Supraja Eduduru**  
ASSISTANT PROFESSOR  
DEPT. OF ELECTRONICS AND COMMUNICATION ENGINEERING  
DAYANANDA SAGAR UNIVERSITY

**COORDINATOR:**  
MS. AARTHI NAYAK ULLAL, ASSISTANT PROFESSOR  
DEPT. OF ELECTRONICS AND COMMUNICATION ENGINEERING  
DAYANANDA SAGAR UNIVERSITY

**PROFESSOR:**  
DR. AMRITH GOWDAR, ASSISTANT PROFESSOR  
DEPT. OF ELECTRONICS AND COMMUNICATION ENGINEERING  
DAYANANDA SAGAR UNIVERSITY

**CONVENOR:** MS. AARTHI NAYAK ULLAL, ASSISTANT PROFESSOR  
**COLLEGE:** DAYANANDA SAGAR UNIVERSITY  
**FACULTY IN CHARGE:** DR. SUPRAJA EDUDURU, ASSISTANT PROFESSOR  
**DEPARTMENT:** DEPT. OF ELECTRONICS AND COMMUNICATION ENGINEERING  
**THOUGHT CO. - DAYANANDA SAGAR UNIVERSITY**  
**ADDRESS:** DAYANANDA SAGAR UNIVERSITY, BANGALORE



## Department of Mechanical Engineering

Mr. Bhuvaneshwar, the Safety Manager at BOSCH Bidadi, addressed students on the crucial topic of industrial safety on 2nd September, 2024. With a wealth of experience in ensuring workplace safety, Mr. Bhuvaneshwar emphasized the importance of adhering to safety protocols to prevent accidents and protect lives. And also discussed various safety measures, including the use of personal protective equipment (PPE), proper training, and the importance of creating a safety-conscious culture in industrial environments. His insights aimed to equip students with the knowledge and awareness necessary to navigate and contribute to a safe working environment as a vital aspect of everyday operations.



# Student Activities

## Department of CSE

Mr. Chandan N S (ENG22CS0038), 5th semester CSE student has successfully completed the self-paced training courses on MATLAB Onramp on 10th September 2024 and Image Processing On ramp on 13th September 2024 by MathWorks Training Services.



Mr. Hrushikesh Raghavendra (ENG22CS0321), 5th semester CSE student has successfully completed ISRO online course on-AIML for Geodata Analysis from 19th to 23rd August 2024.



Mr. Yash Soni (ENG22CS0211) 5th semester, Ms. Manavi P (ENG23CS0101) 3rd Semester CSE student have won the first prize in website making competition “Web Wizard” based on Halloween theme organized by IEEE ComSoc, IEEE Student branch on 13th September 2024.





**SCHOOL OF  
ENGINEERING**

**Edited by :  
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