



DAYANANDA SAGAR  
UNIVERSITY



SCHOOL OF  
ENGINEERING

## SOE - "The Weekly Buzz"

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



Week#35 (Aug 26 to 31, 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.

# Faculty Contributions

## Department of CST

Dr. M. Shahina Parveen, Professor, Department of CST attended one week faculty development program on “Immersive Virtual Reality” from 26th August to 31st August 2024, organized by Department of AI and Robotics and Department of CSE, DSU, Harohalli.

Dr. Santosh Kumar and Prof. M Chithambarathanu, Department of CST attended one week faculty development program on “Immersive Virtual Reality” from 26th August to 31st August 2024, organized by Department of AI and Robotics and Department of CSE, DSU, Harohalli.

Dr. M Shahina Parveen, Prof. Ramandeep Kaur, Prof. Vinayaka, Prof. Yashaswini, Prof. Nivetha NRP Department of CST attended one-week faculty development program on “Intel AI for Future Workforce” from 13th August to 22nd August 2024, organized by Department of CST & AIML, School of Engineering, DSU, Harohalli.



## Department of ECE

- Dr. Arun Balodi Chairperson of the Department of Electronics and Communication Engineering, had an inspiring conversation with our newest members of 1st year engineering batch in the induction program on 30th August 2024 at the School of Engineering, DSU, Dayananda Sagar University. He emphasized the importance of building relationships, collaborating effectively, and embracing innovation.



## Department of CSE (CY)

- Prof.V. Vinitha, has participated in a five days faculty development program on “Generative AI & Prompt Engineering” held from 19.08.2024 to 23.08.2024 at department of Computer Science and Engineering (Artificial Intelligence and Machine Learning), School of Engineering, Dayananda Sagar University- Harohalli Campus.



# Departmental Activities

## Department of Electronics and Communication Engineering

The Department of Electronics and Communication Engineering at Dayananda Sagar University organized a comprehensive five-day workshop on "Fast Prototyping of Digital Systems using Verilog HDL" from 27th August to 31st August 2024. The workshop was meticulously designed to enhance the skills of students and professionals in the domain of digital system design using Verilog HDL, featuring a blend of lectures, hands-on sessions, and demonstrations. Post the inauguration, an industry expert, Mr. Abhra Bagchi, co-founder of fermion IC design conducted an interactive lecture session focusing on the practical aspects of Verilog HDL. The session was highly appreciated by the participants for its industry-oriented insights. The five-day workshop was a resounding success, with participants gaining valuable insights and hands-on experience in fast prototyping of digital systems using Verilog HDL. These sessions covered the design flow for FPGAs, including high-level design, simulation, synthesis and implementation. Participants were introduced to various design tools and software used in FPGA development, such as VHDL/Verilog, Xilinx Vivado. The sessions were well-received, and the participants appreciated the blend of theoretical knowledge and practical implementation. The workshop not only enhanced their understanding of Verilog HDL but also equipped them with the skills necessary for advanced digital system design. The event concluded with a valedictory session where participants were awarded certificates for their participation.



# Department of CSE

As a part of Industry-Academia Interaction, a hands-on workshop on "Python Programming Concepts" by an Industrial expert Dr. C P Ravikumar, Texas Instruments has been organised by the Computer Science and Engineering department. The Resource person has delivered information about the significance of python programming in IT industries, teaching-learning approach and problem solving methodologies through various real world problem assignments.

The 25 faculty participants expressed the joy of learning python programming essentials and completed the programming assignments. The event was concluded by proposing a vote of thanks by Dr. Sridhar SK, Faculty coordinator and the event was highly appreciated. (Date: 31.08.2024 at 9AM to 4.30PM, Venue: LAB-A404, A block, SOE, DSU)



# Student Activities

## Department of CSE (CY)

Mr.Varun Swamy & Mr.Vishwa Hegde has been certified as “Junior Penetration Tester” from eJPT- a hands-on, entry-level Red Team certification that simulates skills utilized during real-world engagements.



PROUDLY PRESENTED TO

**Varun Swamy**

**eJPT**

Junior Penetration Tester

Tracy Wallace  
Director of Content Development

Dara Warn  
Chief Executive Officer



PROUDLY PRESENTED TO

**Vishwa Hegde**

**eJPT**

Junior Penetration Tester

Tracy Wallace  
Director of Content Development

Dara Warn  
Chief Executive Officer



## B. Tech - First Year Inauguration - 2024-25

### First Year Inauguration Report 28/08/2024

The inauguration ceremony for the first-year students took place on August 28, 2024, with over 1500 students and parents in attendance. The event was graced by esteemed chief guests, Dr. Jayant Kumar, CEO and Managing Director of Nidex Advance Technology, and Dr. Shailabh Nagar, Vice President & Distinguished Engineer at Kyndryl. Both speakers provided invaluable insights and encouragement to the incoming batch of students.

Dr. Shailabh Nagar emphasized the importance of student life, highlighting the responsibilities and commitments required for success in their academic and personal journeys. He encouraged the students to make the most of their time in college, stating that these formative years lay the foundation for a successful future.

Dr. Jayant Kumar, in his address, underscored the vast opportunities available to engineering students, particularly in today's fast-evolving technological landscape. He welcomed the students, inspiring them to stay curious, work hard, and be open to innovation. His speech aimed to fuel their ambition and guide them toward achieving their goals in the field of engineering.

Dr. Udhaya Kumar Reddy, Dean of the School of Engineering (SoE), also addressed the students. He welcomed them with words of encouragement, emphasizing the institution's commitment to providing them with the best academic environment and resources. His speech focused on the importance of learning, collaboration, and building a strong foundation in the early stages of their education.

Dr. D. Premchandra Sagar, Hon'ble Vice Chairman, DSI & Pro-Chancellor DSU, who officially welcomed the students to the institution, delivered a motivational speech, emphasizing the importance of perseverance, passion, and resilience. He shared words of encouragement, urging the students to remain focused on their dreams and to view challenges as stepping stones to success.

The event concluded with a vote of thanks delivered by Dr. Naveen Babu, Associate Dean of SoE, DSU. He expressed gratitude to the esteemed guests, faculty, students, and parents for making the inauguration a memorable occasion. His closing remarks reinforced the institution's commitment to supporting the students throughout their academic journey.

The event set a positive and inspiring tone for the students' academic journey, leaving them motivated and excited for the opportunities that lie ahead.

INVITATION  
**SCHOOL OF ENGINEERING**

Dayananda Sagar University, Bengaluru

*Cordially Invites you to the Inauguration of*

**1st Year B. Tech Program 2024-25**

**Chief Guests**

**Dr. Jayant Kumar**  
CEO and Managing Director,  
Natec, Advance Technology, India

**Dr. Shankish Nayeg**  
Vice President & Distinguished Engineer,  
Ottomog Integration & Industry Solutions, Kyntrif

**Presided by**  
**Dr. R. Paramasundus Sagar**  
Hon'ble Vice Chairman, DSI & Pro-Chancellor, DSU

**With Best Wishes From**

**Dr. R. Paramasundus Sagar**  
Hon'ble Chairman, DSI &  
Chancellor, DSU

**Dr. Galanmmy**  
Secretary, DSI

**Mr. Jitendra Sagar**  
Member B.U. DSI,  
Joint Secretary, MGPW Trust

**Dr. Babhan Prasad Sagar**  
Member B.U. DSI, Trustee &  
Joint Secretary, MGPW Trust

**Dr. Vishnu Sagar**  
Joint Secretary, MGPW Trust

**Mr. Nataraju Sagar**  
Joint Secretary, MGPW Trust

**Date: 28-08-2024 | Time 3:30 pm**

**Venue: A-Block, School of Engineering, Harohalli Campus**

Vice Chancellor / Pro Vice Chancellor / Registrar / Dean  
Associate Dean / Faculty

**ALL ARE CORDIALLY INVITED**



## B. Tech- 1st Semester students with Dynamic Orientation Programme

Dayananda Sagar University held its B.Tech. I Semester Orientation/Induction Programme from August 28 to September 6, 2024, with around a thousand students attending. The programme was designed to familiarize students with the university's academic environment, its resources, and various co-curricular opportunities. It was structured in three daily sessions, each covering different aspects of student life, including academic orientation, professional, communication, personality development, and soft skills training.

The orientation featured lectures by industry experts, such as Vishwanath S from Biome Environmental Trust and Dr. Shridhar Domanal from Accenture, providing valuable insights into industry trends. Additionally, students were introduced to various technical clubs, research and innovation opportunities and international affairs.

There were special sessions focusing on gender equality, health, hygiene, and physical well-being, conducted by the university's faculty and medical professionals. Sports, cultural activities, and entrepreneurship were also emphasized, with representatives guiding students through available resources and programs. The event culminated with a campus tour, giving students a comprehensive understanding of the university facilities, including libraries, sports complexes, and dining areas.







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