



DAYANANDA SAGAR
UNIVERSITY



SCHOOL OF
ENGINEERING

SOE - "The Weekly Buzz"

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



Week#05 (Jan 27 to 01 Feb,2025)

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 Computer Science and Engineering

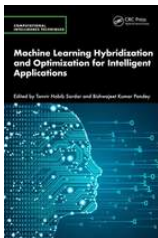
- Dr. T Gayathri, Assistant Professor, Department of CSE has successfully Published IEEE scopus indexed conference paper with the title, “Bottom-Up Cracks Detection in Road Pavement in Artificial Neural Network”, in the 2024 First International Conference on Software, Systems and Information Technology (SSITCON) during January 2025.



- Dr. Tanvir Sardar, Associate Professor, Department of CSE has successfully participated & completed AICTE Training and Learning (ATAL) Academy Faculty Development Program on “Deep Learning Intelligent Video Analytics and Computer Vision” at P.A. COLLEGE OF ENGINEERING from 21/01/2025 to 27/01/2025.



- Dr. Tanvir Sardar, Associate Professor, Department of CSE has published a edited book titled “Machine Learning Hybridization and optimization for Intelligent Applications” with the publisher CRC press Taylor and Francis group during January 2025.



- Prof. Sasikala N, Assistant Professor, Department of CSE has successfully completed an online course in Kaggle with the title “Intermediate to Machine Learning” on 29th January 2025 and “Data Visualization” on 31st January 2025.



Department Of Aerospace Engineering

On 29th Jan 2025 Prof Sripad Kulkarni Assistant Professor in the Department of Aerospace Engineering at Dayananda Sagar University participated in KSCST: Golden Jubilee Celebration webinar series which was held in online mode, this webinar provided a overview on Emerging Science, Technology and Innovation (STI) Ecosystems KSCST and its contribution to the society.



- Dr. Santosh Kumar J published a patent on "AI-Driven Multi-Modal Framework for Enhanced Diagnosis and Personalized Treatment of Rheumatoid Arthritis" (Application Number: 202541002351 A).



Department Of Electronics and Communications Engineering

- Dr. Supraja Eduru Assistant Professor, Department of Electronics and Communication Engineering has successfully completed the transcription editing task using the Machine Learning Tool - Chitralkha for the NPTEL course "Cloud Computing and Distributed Systems (106104182)" offered by IIT Kanpur. The task involved meticulous editing and verification of course content, contributing a total of 5.5 editing hours. This accomplishment demonstrates her commitment to fostering accessible and accurate educational resources. Congratulations to Supraja Eduru for this commendable achievement and for supporting open learning initiatives.



- Dr. Arun Balodi Professor and Chairman, Department of Electronics and Communication Engineering, School of Engineering, Dayananda Sagar University, Bengaluru, attended the IEEE SPS Forum on "Green Signal Processing for AI: Balancing Innovation and Sustainability" at HARMAN International, Bengaluru. The event emphasized sustainable AI development through insightful keynote sessions by industry leaders, including Ratnakar Rayavarapu (Samsung), Praful Pai (MathWorks), and Dr. Amod Jai Ganesh Anandkumar (HARMAN).
- A thought-provoking panel discussion on "Building Sustainable AI", moderated by Sibi Charley (HARMAN), featured experts from IBM Watsonx Labs, Samsung R&D, and IEEE SPS. The discussion highlighted responsible AI development practices. Dr. Balodi also participated in the IEEE SPS Bangalore Chapter Annual General Meeting and commenced his tenure as Vice Chair (Academia) for 2025. He remains committed to fostering innovation and sustainability in AI development.



Student Activities

Department Of Computer Science & Technology

- Mr. Manoj N (ENG21CT0024), Mr. Manikanta (ENG21CT0022), Mr. Thanmay (ENG21CT0021), Mr. Tarun Pradeep (ENG21CT0045) and Prof. Ramandeep Kaur, Assistant Professor published a research article titled “Improving Healthcare Data Security through Federated Learning and Blockchain Framework” at the 9th International Conference on Smart Trends in Computing and Communications on 29 - 31 January 2025.



- Mr. Hemal (ENG21CT0009), Ms. Sohana (ENG21CT0037), Mr. Tarun Pradeep (ENG21CT0045) and Dr. M. Shahina Parveen, Professor published a research article titled “Predictive Modelling of Childhood Fever Prevalence: Leveraging Machine Learning in Maternal and Child Health” at the 9th International Conference on Smart Trends in Computing and Communications on 29 - 31 January 2025.





**SCHOOL OF
ENGINEERING**

**Edited by :
Office of Dean SOE,
Dayananda Sagar University
Deverakaggalahalli, Kanakapura Road Ramanagara Dt.,
Karnataka - 562 112**