



DAYANANDA SAGAR  
UNIVERSITY



SCHOOL OF  
ENGINEERING

## SOE - "The Weekly Buzz"

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



Week#1 (Dec 30 2024- Jan 04, 2025)

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# 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 & Engineering

- Prof. Mala B A, Prof. Suvika K V, Prof. Arpita Paria, Assistant Professors and Dr. George Fernandez I, Associate professor presented a paper online in the Scopus indexed conference with the title “UDuctor: Enhanced Assistance and Monitoring of noncommunicable diseases using Pervasive Computing”, in the Fifteenth International Conference on Advances in Engineering and Technology, AET 2024 Jointly organized by the IDES and Association of Computer Electrical Electronics and Communication Engineers (ACEECom) online on 30th December 2024 in NCR, Delhi, India and it will be published in the GRENZE International Journal of Engineering and Technology (GIJET).



# Department Of Electronics and Communication Engineering

- We are delighted to announce that Dr. Theodore Chandra S, Associate Professor, Department of Electronics and Communication Engineering has successfully completed the AICTE-QIP-PG Certificate Programme in Machine Learning conducted between 01 July to 24 December, 2024 at the Centre for Continuing Education, Indian Institute of Science, Bengaluru, Sponsored by AICTE, New Delhi. He was one of the 48 selected out of 593 applicants after a national level selection process."



- We are proud to announce that Mr Nadeem Pasha, Assistant Professor, Department of Electronics and Communication Engineering successfully presented a research paper titled "QoS-Driven Cluster Head Selection Optimization in Heterogeneous Wireless Sensor Networks for IoT Applications" at the 2nd IEEE International Conference on Innovations in High-Speed Communication and Signal Processing (IEEE-IHCSPP 2024). The event took place from 6th to 8th December 2024 at Maulana Azad National Institute of Technology, Bhopal. The presentation showcased innovative research on optimizing cluster head selection in IoT-enabled wireless sensor networks, emphasizing enhanced Quality of Service (QoS). We congratulate Mr. Nadeem Pasha on this remarkable achievement and his valuable contribution to this prestigious conference.



## Department Of CSE (Cybersecurity)

- Dr.Mubeen Ahmed Khan, has actively participated and completed the below modules from Researcher Academy
- Demystifying Permissions, Authorship, Why you can't afford to ignore publication ethics, Plagiarism Decision making & dealing with grey-zones across academic fields & What is Plagiarism and how to avoid it on 31.12.2024.



## Department Of CSE (Data Science)

- Prof. Monish L and Dr. Shaila S G, presented a Conference Paper ID: 198 titled, Electroencephalogram Signal Processing based Emotion Analysis and Recognition using and Deep Networks the International Conference on Healthcare Innovation and Smart Systems (ICHISS 2024) Organised by the Department of Computer Science and Engineering, Shri Shankaracharya Institute of Professional Management and Technology, Raipur, Chhattisgarh, India, during 29th-30th December 2024.
- Prof. Monish L, Dr. Shaila S G, Dr. U. Pavan Kumar presented a Conference Paper ID: 201 titled, Piezoelectric Sensor based Apnea Disorder Prediction IoT using Monitoring System the International Conference on Healthcare Innovation and Smart Systems (ICHISS 2024) Organised by the Department of Computer Science and Engineering, Shri Shankaracharya Institute of Professional Management and Technology, Raipur, Chhattisgarh, India, during 29th-30th December 2024.



# Departmental Activities

## Research Paper Drafting and Publication

- Workshop on Research Paper Drafting and Publication by Dr. C. P. Ravi Kumar was conducted on 2nd January 2025, from 10:00 AM to 03:00 PM in LH 2, SOE, DSU, Harohalli. organized by Dr. Pramod Kumar Naik, Chairperson (AI and Robotics Engineering), Dr. Bharath Kumar S Assistant Professor, Dept. of AI and Robotics Engineering More than 50+ faculties have registered and participated in the event.
- Details of the Resource Person Dr. C.P. Ravikumar obtained a Ph.D. in Computer Engineering from the University of Southern California, an M.E. in Computer Science from the Indian Institute of Science with the highest scores, and a B.E. in Electronics Engineering with a Gold Medal from Bangalore University. He worked as a Professor of Electrical Engineering at IIT Delhi for 10 years before moving to Texas Instruments, where he has completed 23 years and has performed various roles such as Senior Consultant in VLSI Test, Director of University Relations, and Director of Technical Talent Development. Dr. Ravikumar has published over 250 research papers and is the author/coauthor of over 15 books. He has 4 US patents in the area of VLSI Test.
- Objectives of the event, For Personal or Professional Development in Research: Conduct research for personal or professional development, such as exploring new areas of interest or developing expertise, Publishing in reputable journals: Strategies for selecting suitable journals, navigating the submission process, and responding to peer review comments, Importance of Research Activities and Problems Faced during Research activities.



# Student Activities

## Department of Computer Science & Engineering

Ms. D N Padmashri, Ms. Boomika B, Ms. Deepthi S V , Ms. B Saishree, 5th semester CSE students under the guidance of Prof. Suvika K V, Assistant Professor, presented a paper online in the Scopus indexed conference with the title “Comparative Analysis of Machine Learning Algorithms for Enhanced Clinical Prediction of Fetal Health Status”, in the Fifteenth International Conference on Advances in Engineering and Technology, AET 2024 Jointly organized by the IDES and Association of Computer Electrical Electronics and Communication Engineers (ACEECom) online on 30th December 2024 in NCR, Delhi, India and it will be published in the GRENZE International Journal of Engineering and Technology (GIJET).



Mr. Jaice Joseph (ENG21CT0011) published a research article titled “A Survey on transforming 2D images into immersive 3D Models” at the International Conference on Advances in Engineering and Technology (AET-2024), jointly organized by ACEECom, AMAE, ACEE, on 30th December 2024.



# Department of CSE (Data Science)

- Venkat Nivas Reddy K participated at the Asian Youth Summit held on 28th & 29th December 2024 in the Indo-Nepal Cabinet Committee as Prime Minister of Nepal and having secured BEST DELEGATE along with received Cash prize of Rs.4000/-



- VinuRaj Vamshi presented a Conference Paper ID: 109 titled, Mobile Net-based Driver Drowsiness Detection and Monitoring System the International Conference on Healthcare Innovation and Smart Systems (ICHISS 2024) Organised by the Department of Computer Science and Engineering, Shri Shankaracharya Institute of Professional Management and Technology, Raipur, Chhattisgarh, India, during 29th-30th December 2024.





**SCHOOL OF  
ENGINEERING**

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