



DAYANANDA SAGAR
UNIVERSITY



SCHOOL OF
ENGINEERING

SOE - "The Weekly Buzz"

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



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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

- Dr. Bipin Kumar Rai, Professor, Department of CSE, presented research paper titled “Indian Sign Language Translator” in the International Conference on Data Mining and Information Security (ICDMIS-2024) held on 7th and 8th October, 2024 Organized by Eminent College of Management and Technology (ECMT), West Bengal, India in collaboration with UNIVERSITAS AL ASYARIAH MANDAR, INDONESIA in association with International Knowledge Research Foundation and the paper will be published in the Scopus indexed Springer LNNS series.



- Dr George Fernandez I, Associate Professor, Department of CSE, extended his service has a Ph.D. Thesis valuator for the title “A Sentiment Aware Product Recommendation System Using Optimization Techniques and Deep Classifiers”, Under the Bharath University during October 2024.

- Dr Rajesh T M. Associate Professor, Department of CSE, extended his service has a Ph.D. Thesis valuator for the title “Design and performance Evaluation of privacy Preserving Data Mining Specific to Medical Images” Under the University of Mysore during September 2024.



- Dr. Basavaraj Hiremath, Professor and Dr. George Fernandez I, Associate Professor, Department of CSE, presented research paper titled “Turkish Raisin Classification Through Deep Learning prediction Models” in the International Conference on Data Mining and Information Security (ICDMIS-2024) held on 7th and 8th October, 2024 Organized by Eminent College of Management and Technology (ECMT), West Bengal, India in collaboration with UNIVERSITAS AL ASYARIAH MANDAR, INDONESIA in association with International Knowledge Research Foundation and the paper will be published in the Scopus indexed Springer LNNS series.
- Prof. Mala B A and Prof. Suvika K V, Assistant Professors, Department of CSE, presented research paper titled “VISION AID – A Light Weight Blind Assistance Tool using IoT and Computer Vision Techniques” in the International Conference on Data Mining and Information Security (ICDMIS-2024) held on 7th - 8th October, 2024 Organized by Eminent College of Management and Technology (ECMT), West Bengal, India in collaboration with UNIVERSITAS AL ASYARIAH MANDAR, INDONESIA in association with International Knowledge Research Foundation and the paper will be published in the Scopus indexed Springer LNNS series.



Department Of Electronics and Communications Engineering

- Dr. Arun Balodi attended the 21st edition of 'Nasscom Future Forge' held on 16th & 17th October at TAJ West End Bangalore (Bangalore). Nasscom Future Forge 2024 themed on 'Accelerating Deep Tech Growth' from India for the world brings together experts, thought leaders, investors, policy makers & regulators to explore solutions for infrastructure access, regulatory reform, talent development, fostering patient capital and discussing strategies to scale the deep tech ecosystem's growth.
- Dr. Arun Balodi contributed his expertise to the 15th Nasscom Emerge 50 awards, helping to recognize and celebrate innovative startups."
- Dr. Arun Balodi served as Mentor for Tinkerpreneur 2024 in Atal Innovation Mission.6
- Dr. Arun Balodi attended the Faculty Development Program on MATLAB for Image Analysis and Pattern Recognition at Jaypee University of Information Technology, Electronics & Communication Engineering, JUIT from September 2 to 6, 2024.
- Dr. Arun Balodi contributed his expertise to the 15th Nasscom Emerge 50 awards, helping to recognize and celebrate innovative startups."



Department of Computer Science & Technology

- Dr. M. Shahina Parveen has reviewed the papers submitted to 2024 IEEE International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics (2024 IEEE DISCOVER – Conference) organized by IEEE Mangalore Subsection at St. Joseph Engineering College, Mangalore, Karnataka during October 18-19, 2024 at the Distributed Computing, VLSI, Electrical Circuits and Robotics (IEEE Conference) on July 28, 2024.



- Dr. Santosh Kumar J, Prof. M. Chithambarathanu, Prof. Ramandeep Kaur & Prof. Nivetha NRP filed a patent on "A Method for Managing Aging in an AR/VR Model" (Application Number: 202441078399).
- Dr. M. Shahina Parveen, Dr. Sudha filed a patent on "Portable Air Pollution Monitoring System" (Application Number: 202441077978).

Departmental Activities

Department of CSE (Data Science)

- The NASSCOM FORGE (Future-Ready Organizations for Growth and Excellence) Industries Connect event held on 16th October 2024, brought together key industry stakeholders to discuss strategies for fostering growth and excellence in today's fast-evolving business landscape. The event served as a platform for knowledge sharing, networking, and collaboration. Dr. Shaila S G, Professor and Chairperson from the Department of CSE (Data Science), participated in the event which focused on several key areas including digital transformation, risk management, governance frameworks, sustainability initiatives and the impact of AI and automation.
- One of the main takeaways from the event was the critical role of digital transformation in maintaining competitiveness in the FORGE landscape. Additionally, sustainable practices were emphasized as not only beneficial for corporate reputation but also for ensuring long-term profitability. The importance of continuous learning and adaptability to meet the challenges of a rapidly evolving market was highlighted with participants encouraged to apply these insights to their organizations. Collaboration opportunities discussed during the event were seen as crucial for driving future growth.
- Overall, the NASSCOM FORGE Industries Connect was a significant initiative aimed at empowering organizations to succeed amidst change with the insights and collaboration opportunities shared expected to contribute to continued excellence in various sectors. NASSCOM will continue its support through follow-up events and resources.



Department of Electronics and Communications Engineering

- The IEEE Student Branch Chapter of DSU successfully organized an engaging celebration of IEEE Day on October 1, 2024. The event brought together students and faculty to explore advancements in electrical engineering and technology. The occasion was graced by the esteemed presence of Dr. Udaya Kumar Reddy, Dean of the School of Engineering, Dr. Arun Balodi, Chairperson of the Department of Electronics and Communication Engineering and Dr. Pushpamala S, Associate Professor in the Department of ECE.



Student Activities

Department Of Computer Science & Engineering

- Ms. Nasreen Taj M B (ENG19PPCS15), Research Scholar, Department of Computer Science and Engineering, under the guidance of Dr. Girisha G S, Professor, completed her Ph.D. Final VIVA-VOCE entitled “Design and Development of Aspect Based Sentiment Analysis Model for Healthcare Sector”, on 18/10/2024 Lecture Hall 1, A Block, SOE, DSU, Harohalli, Bangalore–562112.



Department of CSE (AIML)

- Popat Ameer Dipak (ENG23AM1007), K. Himasree (ENG22AM0103) 5th semester students from the department of CSE (AI&ML), SOE at Dayananda Sagar University have secured the 2nd prize in this prestigious competition NASA Space Apps Challenge. Their team, QuantumByte, worked on the project titled "Tell Us a Climate Story", where they used NASA data to craft a compelling narrative on climate change. This achievement highlights their dedication and innovative approach in addressing one of the most critical issues of our time – the environment.



- On behalf of Dayananda Sagar University, we extend our heartfelt congratulations to Mr. Pritam Wani (USN No. ENG23AM0262), a B-Tech CSE (AIML) student, for his remarkable achievement in the Blitz FIDE Rating Chess Tournament 2024. Pritam secured the Silver medal in this highly competitive event, showcasing his strategic thinking, dedication, and skill in chess. This accolade is a testament to Pritam's perseverance and intellectual prowess. His success not only brings pride to his department and university but also serves as an inspiration to fellow students. We look forward to his continued excellence in future tournaments. Congratulations once again to Pritam Wani for this outstanding achievement!



Department of Computer Science & Technology

- Ms. Manoj Kumar R (ENG21CT0023) of 7th semester CST got selected in Bristlecone Campus Placement Drive organized by Department of Training and Placement on 10th October 2024.
- Ms. Khushi Shah (ENG21CT0015) of 7th semester CST got selected in Broadridge Campus Placement Drive organized by Department of Training and Placement on 10th October 2024.

Department of CSE (Cyber Security)

- Mr. Anirudh N S, a student from the Department of Computer Science and Engineering (Cyber Security), bearing the enrollment number ENG21CY0007, has successfully completed an online non-credit course authorized by Google. The course, which was offered through Coursera, provided a comprehensive understanding of key concepts in cybersecurity and related technologies. This accomplishment highlights Mr. Anirudh's dedication to enhancing his technical skills and staying up-to-date with the latest developments in the field. By completing this course, he has further strengthened his knowledge, which will contribute positively to his academic and professional journey in cybersecurity.



Department of Aerospace Engineering

We proudly congratulate Sahana H Murthy, a 1st-year Aerospace Engineering student (USNo: Eng24AS0056) from Dayananda Sagar University, for her outstanding performance at the National Ranking Table Tennis Championship held in Goa. Sahana reached the Semi-Finals in the U-19 Girls Category, demonstrating exceptional talent and determination.

Her dedication to the sport and her hard work have not only earned her a place among the top players but have also brought immense pride to the university. This achievement reflects her perseverance and the potential for greater successes in the future.

We wish Sahana continued success and hope she keeps shining both in academics and sports! Congratulations once again on this remarkable achievement!



DAYANANDA SAGAR UNIVERSITY

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SAHANA H MURTHY

AEROSPACE ENGINEERING (1ST YEAR)
USNo-Eng24AS0056

CONGRATULATIONS

Reaching the Semi-Finals in the U-19 Girls Category at the National Ranking Table Tennis Championship In Goa. Your dedication and hard work have made us all proud!
Keep shining!

Department of Electronics and Communications Engineering

- Neeraja Patil, a student from Dayananda Sagar University, Bengaluru, proudly represented the institution at the prestigious Ideathon project contest, organized by Nokia Bangalore University Collaboration. The event took place on October 21, 2024, where Neeraja contributed her innovative ideas as part of a project titled "Enhancing 5G Data Transfer Rates with Nokia mmWave 5G LDRS Technologies".
- Her participation in this initiative, which was aimed at leveraging cutting-edge technology for improving data transfer, highlights the ongoing excellence and involvement of DSU students in industry-leading technological advancements. This recognition underscores the university's strong collaboration with industry leaders and its commitment to fostering innovation in telecommunications and related fields.





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