



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 Aerospace Engineering

We are delighted to share that a collaborative research paper by a distinguished group of scientists and academics has been accepted for publication in the prestigious AIAA Journal of Spacecraft and Rockets, a Q1-ranked journal recognized for high-impact contributions in the field of aerospace engineering. Title: Passive Control of Transonic Shock-Wave-Boundary-Layer Interactions over a Blunt Nose Body Using Aerodiscs. Authors: Dr. D. B. Singh and Dr. Gireesh Y (Scientists, CSIR-NAL), Dr. G. K. Suryanarayana (Professor, Department of Aerospace Engineering, Dayananda Sagar University), and Dr. G. Jagadeesh (Department of Aerospace Engineering, Indian Institute of Science)

The article will soon be available online and can be accessed via the DOI link: <https://doi.org/10.2514/1.A36199>

Department Of Computer Science and Engineering

Dr. Bipin Kumar Rai, Professor, Department of CSE contributed as reviewer in the 3rd International Conference on Automation and Computation (IEEE: AUTOCOM-2025) organized by GRAPHIC ERA HILL UNIVERSITY , Deharadun during May 2025.



Dr. Damodharan D, Assistant Professor, Department of CSE, Dayananda Sagar University has successfully completed the 40 hours (3-Credits equivalent) Faculty Development Programme on QT-02 Foundations of Quantum Technologies during April 11- May 03, 2025 jointly organized by various Academies. This programme is funded by MeitY and endorsed by DST NQM / AICTE / UGC .



Dr George Fernandez I, Dr. Arunkumar Gopu, Associate Professors and Dr. Gokulakrishnan S, Assistant Professor, Department of CSE Published a book titled “Cloud Services Management” during 6th May 2025 with publisher “Charulatha Publications” and the ISBN is 978-93-6260-465-1.



Dr. Tanvir Habib Sardar, Associate Professor and Dr. P. Naresh, Assistant Professor, Department CSE has published a research article entitled “Facial Expression Analysis for Efficient Disease Classification in Sheep Using a 3NM-CTA and LIFA-Based Framework” in the SCIE and Scopus index journal named IETE Journal of Research from Taylor and Francis publisher during 07th May 2025.

DOI <https://doi.org/10.1080/03772063.2025.2498610>.



Dr. Damodharan D, Assistant Professor, Department of CSE, has successfully participated in the National level online Faculty Development Programme on “The Foundations and Future of Quantum Computing” from 5th May to 9th May 2025 organized by Sri Sairam College of Engineering.



Department Of Computer Science and Technology

The School of Computer Science and Engineering, Faculty of Engineering & Technology, Jain (Deemed-to-be University), organized an insightful Guest Lecture on “Data Science for IoT” on May 5, 2025, at the 219 LAB.

The session was delivered by Dr. M. Shahina Parveen, Professor & Chairperson, Department of Computer Science & Technology, SOE,DSU Under the theme “Innovate with Intelligence,” the lecture focused on the integration of data science techniques with Internet of Things (IoT) applications—highlighting key trends, challenges, and research opportunities in this rapidly evolving domain. The event was coordinated by Dr. Suresh Kallam and received active participation from students and faculty members, fostering engaging discussions and interdisciplinary learning.



We are pleased to share that two faculty members from the School of Engineering, Dayananda Sagar University (DSU) have successfully completed a prestigious national-level Faculty Development Programme (FDP) titled “QT-02: Foundations of Quantum Technologies.”

The FDP, held online from April 11 to May 03, 2025, was a 40-hour (3-credit equivalent) program jointly organized by several leading institutions under the Electronics & ICT Academies initiative, including MNIT Jaipur, NIT Patna, IIT Kanpur, IIT Roorkee, IIT Guwahati, IIITDM Jabalpur, and NIT Warangal, and funded by MeitY and endorsed by DST-NQM / AICTE / UGC.

Dr. D Sudha, Associate Professor, and Prof. Ramandeep Kaur, Assistant Professor, both from SOE-DSU, participated in the FDP. Their performance was rated as Excellent, reflecting their commitment to academic growth and emerging technologies. The training emphasized foundational concepts in quantum technologies, preparing participants to contribute meaningfully to research and teaching in this rapidly advancing field.

DSU congratulates both faculty members for their proactive participation and continued pursuit of academic excellence.



Department Of CSE (Data Science)

The Department of Computer Science and Engineering (Data Science), School of Engineering, Dayananda Sagar University (DSU), proudly acknowledges the participation of its faculty members in a national-level Faculty Development Programme (FDP) aimed at enhancing skills in industry-relevant domains. Prof. Chandrakala L and Prof. Prapti Bhattacharjee, both Assistant Professors in the Department of CSE (Data Science), successfully completed a 15-hour FDP on "Salesforce Business Analyst Professional" conducted by ICT Academy in collaboration with Salesforce. The programme was held in a live online mode from April 28 to May 03, 2025. This initiative provided valuable insights into the evolving role of business analysts in the Salesforce ecosystem and equipped participants with the competencies needed to bridge business and technology effectively.



Dr. U. Pavan Kumar, Assistant Professor, CSE (DS), has successfully completed the HP LIFE online course Data Science & Analytics on 05th May 2025.



Department Of CSE (AIML)

Dr. Lakshmanan M, Prof. Sriramkumar R, Prof. Mithaguru Assistant Professors, Department of CSE(AI&ML) has received the certificate for presenting the research paper titled Blockchain – Based HSFO Framework for Privacy Preservation of Healthcare Data Using Hybrid Algorithms in the 2025 IEEE International Conference on Research Methodologies in Knowledge Management, Artificial Intelligence and Telecommunication Engineering organized by the Department of Computer Science and Engineering, R.M.K. Engineering College, Chennai, India during 7th and 8th May, 2025



Departmental Activities

Department Of Aerospace Engineering

On May 7, 2025, the Department of Aerospace Engineering, School of Engineering (SoE), Dayananda Sagar University (DSU), successfully organized an enlightening guest lecture on the topic “Manufacturing of Low-Volume and Prototype Composite Aircraft Structures.” This initiative was part of the department’s ongoing efforts to connect academic learning with industry-driven knowledge in the field of aerospace engineering.

The session witnessed active participation from students of the 4th and 6th semesters, who gained valuable exposure to advanced concepts and techniques related to composite material applications in aircraft manufacturing. The lecture covered critical aspects such as material selection, structural design considerations, prototyping challenges, and scalable production strategies, all of which are highly relevant in today’s evolving aerospace industry.

The department extends heartfelt thanks to the esteemed speaker for delivering such a practical and inspiring session, contributing to the professional development of future aerospace innovators at DSU.



Department Of Computer Science and Engineering

The Department of Computer Science and Engineering, SoE, Dayananda Sagar University, successfully organized a three-day hands-on workshop on “Game Development and Animation VFX” from 5th to 7th May 2025. Aimed at 6th semester B.Tech CSE students and faculty, the workshop saw enthusiastic participation from 60 attendees.

The sessions covered key areas including Unity interface, C# scripting, game physics, fundamentals of 2D and 3D game development, and introductory animation and VFX techniques. The workshop was led by expert resource persons from the Asian Institute of Design, Bengaluru – Mr. Bhaskar Jyoti Bora and Mr. Ahamed Abdullah – who delivered highly engaging and practical sessions.

The Department expresses its gratitude to the Management for their support, Dr. Basavaraj N Hiremath Sir for concluding the event with his insightful address, and the coordinators Dr. Praveen Kulkarni, Prof. Shilpa Sudheendaran, Prof. Bharath B, and Prof. Prolay Biswas for their dedicated efforts in making the workshop a grand success.



Student Activities

Mr. Ankit Singh (ENG21CT0004), Mr. Aman (ENG21CT0003), Mr. Khan Samin (ENG21CT0013), Mr. Ashraf (ENG21CT0025), Prof. Junaid, Assistant Professor and Dr. Sudha, Associate Professor published a research article titled “Cloud-Based Blood Banking with Real-Time Donor Tracking Using Machine Learning” in International Conference on Intelligent Systems and Digital Transformation 2025 (ICISD'25), SRM Institute of Science and Technology Vadapalani Campus, Chennai, Tamil Nadu, 5th - 6th May 2025.



Mr. Prateep P (ENG23CY0027) has successfully satisfied the requirements for “CyberSecurity Fundamentals” in recognition of the commitment to achieve professional excellence by IBM-SkillsBuild on May 10, 2025.



Hena Basheer(ENG22AM0098), Sachin Prakash Kurup(ENG22AM0126), 6th Semester students, Department of CSE(AI&ML) has presented paper entitled Multiple Sclerosis Diseases Detection using Machine Learning approaches for Medical Imaging in 2025 International Conference on Advancement in Communication & Computing in Technology (INOACC), jointly organised by Departments of CSE, ISE, ECE, CSE (AI & ML), CSE (DS) at Sai Vidya Institute of Technology, Bengaluru, India held during 4 t h – 6th April, 2025.



Dr. Seema Tharannum, Professor and Dr. Wagdevi P, Assistant Professor from Department of Biological sciences, SOE, DSU along with Ms.Vaishnavi Sugumar and Ms.Tanya Gopal , 6th semester students of B Tech (AIML) presented a paper titled ‘ Mycotoxins: A comprehensive review on occurrence, types, symptoms, diseases and control strategies’ at Scopus indexed 4th International Health Economics and Outcomes Research Conference - Innovative Healthcare 2025: Integrating Real-World Data, Patient-Centric Research, Regulatory Advancements and Digital Transformation, dated: 24 to 26 April, 2025 organized by ISPOR India-Andhra Pradesh Chapter in association with ISPOR RIPER, India Student Chapter, Raghavendra Institute of Pharmaceutical Education and Research (RIPER)- Autonomous, Anantapur, Andhra Pradesh - 515721, India.





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