



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.

INDEX

Sl No	Particulars	Page No
1	Top Stories	04
2	Partnerships and Collaboration with Industry	05
3	Student / Faculty Development Activities	06
4	Events: Department Club Activities	09
5	Professional Society News	14
6	Important Meetings	16

Top Stories

- Excited to convey that ARM University top officials delivered insightful lecture on ARM Architecture, Business model, Machine learning capabilities, innovations in ARM technology and they have assured DSU on potential collaborations including Internships, Placements and Real-time projects.
- Thrilled to announce the signing of MOU between the Department of Mechanical Engineering, SoE-DSU and Automotive Research Association of India (ARAI) - Advance Mobility Transformation & Innovation Foundation (AMTIF) on May 23, 2024 – Benefits: Student workshops, Hackathons, Start-ups, Skill-based programs, etc.
- Happy to announce the signing of NDA between the Department of AI & Robotics, SoE-DSU and M/s SPM India Limited (Special Purpose Machines, one amongst the largest global automation companies) at Bidadi, assured to provide few funded research projects to DSU.
- Pleased to announce the Department of Aerospace Engineering, SoE-DSU established the Aeronautical Society of India (AeSI) Student Chapter and was inaugurated on 22nd May 2024.



Partnerships and Collaboration with Industry

- The Department of Computer Science and Engineering along with International Affairs department organized an insightful lecture on "Exploring ARM Technologies and Opportunities" on May 22, 2024. This distinguished lecture was initiated and supported by Dr. Amit R Bhatt, Hon. Vice Chancellor, DSU. The ARM University officials were Ms. Apurva Varma, Senior Regional Manager, Academic Engagements, Ms. Aparajita Bhattacharya, Senior Director of Engineering, leading the Architecture and Technology Group.
- A Memorandum of Understanding (MOU) has signed between Automotive Research Association of India (ARAI) - Advance Mobility Transformation & Innovation Foundation (AMTIF) and DSU on May 23, 2024 in the presence of our Registrar and Mr. Sudeep Ambare, CEO of ARAI-AMTIF and this MOU was initiated by the Department of Mechanical Engineering.
- A Non-Disclosure Agreement (NDA) has signed between M/s SPM India Limited (Special Purpose Machines, one amongst the largest global automation companies), Bidadi, Ramanagara, and DSU on May 23, 2024. This NDA was initiated by Dr. Gangadhar, Dept. of AI & Robotics. The SPM India supports advanced factory automation and Industry 4.0 suitable systems and one of the pioneers in the areas of Technology Development for Automobile, Aerospace, Railway and Defence Sectors.

Student / Faculty Development Activities

International Workshop

The inaugural function of the International Workshop on "**Evolving Horizons: Synergizing Electric Vehicles, Battery Tech, Robotics and Semiconductor in the Modern Era**" took place on 20-05-2024 at Lecture Hall 2, Block A, school of Engineering, Dayananda Sagar University.

The event began with an invocation song by Miss Soundrya Jois and Mr. Sai Prasad, followed by a traditional lamp-lighting ceremony.

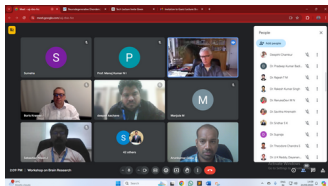
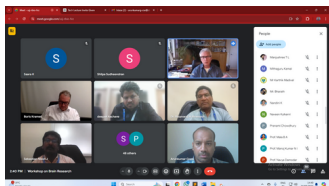
Dr. Vinayak B Hemadri welcomed participants, emphasizing the workshop's relevance in today's technological landscape. Dr. Manish Kumar Mishra outlined the workshop objectives, stressing interdisciplinary collaboration. Chief guests Dr. Anindya Deb and Dr. Wasi Uddin provided valuable insights on the theme.

The event culminated with a presidential address by Dr. Udaya Kumar Reddy KR, and Dr. Rahul Kumar's vote of thanks.



“Brain Research: A Technological Intervention”

The School of Engineering in collaboration with the Department of International Affairs organized a distinguished lecture on May 24, 2024 on the topic: **“Brain Research: A Technological Intervention”** presented by Prof. Harry W.M. Steinbusch, a renowned expert in Cellular & Translational Neuroscience and serves as a Professor at the Faculty of Health, Medicine and Life Sciences, Maastricht University, Netherlands.



“Connecting Minds, Shaping Future - HR Conclave”

The School of Engineering in collaboration with the Department of Student Affairs has organized “Connecting Minds, Shaping Future – HR Conclave” on May 24, 2024. This conclave is poised to be a landmark event, bringing together industry leaders, HR professionals, and our esteemed SOE students for enriching discussions, workshops, and networking opportunities. This event offered valuable insights and fostered a meaningful connection to all our SOE students.



Students Achievement: Technical Event

BCA 2nd semester students participated in various events in the “**Technical Event TECHKRITI 2024 at St. Francis de Sales College, Electronic City**” and won Overall Championship of the event.

Mr. Sai Shankar (ENG23CA0067) & Mr. Tushar Ghosh (ENG23CA0084) secured second place in debugging, Sanjeev Reddy (ENG23CA0071) & Sanjeev Swamy S (ENG23CA0072) secured first place in debugging and second place in debate, Richa Choudhary (ENG23CA0062) won second place in poster making, Mr. Sai Shankar D (ENG23CA0067), Mr. Tushar Ranjan (ENG23CA0084), Nithin N (ENG23CA52) & Ujwala Chikkanna (ENG23CA0090) Secured 1st place in Treasure Hunt and all together won overall championship to DSU with cash prize.



Events: Department Club Activities

Happiness Club

The Happiness Club (Department of Humanities) of School of Engineering, DSU, conducted the Tree Plantation Activity led by Dr. V Sreemathy & Team at Harohalli campus (with a group of SOE students near the cricket ground of DSU) on May 23, 2024. This has initiated a movement of planting and adopting trees by students from this 2024 year, dedicated to the well-being of our University community. The event not only aimed to enhance the greenery of our campus but to instill a sense of responsibility towards environmental conservation among students and faculty members.



Mindspark-2024

The DataScience@DSU Club, under the guidance of the faculty coordinators Dr. Shaila S G, Professor and Chairperson, Dept. of CSE(DS) Prof. Shivamma D, and Prof. Monish L, successfully organized the "Mindspark 2024: Data Science solutions for Cutting Edge IOT Problems" Project Expo on 20th May 2024 at the Harohalli Campus, A410, A Block. The event aimed to showcase the innovative projects developed by 4th-semester students from the Department of Computer Science and Engineering (Data Science) at DSU.



Echoes of Lumière (Filmmaking) Club

The Echoes of Lumière (Filmmaking) Club of SOE organized the filmmaking workshop led by Dr. Rochana Roy & Team on May 23, 2024. This workshop aimed at providing students with practical knowledge and skills essential for filmmaking. The key areas of focus were:

- **Lighting Techniques:** Use of different lighting setups to create the desired mood and atmosphere.
- **Color Theory:** Learning how to use color to enhance storytelling and convey emotions effectively.
- **Composition:** Master principles of composition to frame visually compelling shots.
- **Camera Settings:** Getting hands-on experience with major camera settings to achieve professional-quality footage.

The workshop culminated to make a Short Film Project, allowing participants to integrate all the techniques learned.



DSU Model United Nations Club

The DSU Model United Nations Club of SOE (DSUMUN – SoE) organized a conference- Edition I during May 24-25, 2024 led by Dr. Seema (Biology) and Dr. Sai Prasad (Chemistry) at the Main campus for students of all schools of DSI and outside institutions. Against the backdrop of contemporary events, the event was committed to addressing urgent issues across four dynamic committees—the UNSC, DISEC, Lok Sabha, and the WHO – with unwavering dedication and conscientiousness. This Model UN conference served as invaluable forum to foster a nuanced understanding of multifaceted issues, developing a unique perspective with boldness and sagacity, all while upholding diplomacy to achieve consensus.



“ROBOWARS” - Electroblitz club

The Department of Electronics and Communication Engineering conducted the “ROBOWARS”, a National-level Robotics event on May 25th, 2024 at Harohalli campus. This exciting competition is part of Electroblitz club of ECE department. ROBOWARS promises a day filled with innovation and fierce competition. Witness student teams from across the nation showcase their meticulously crafted robots battling it out in the arena.



Samavarthana - Farewell Function

The final year farewell event “SAMAVARTHANA” held on May 25th, 2024, at Dayananda Sagar University's, Bangalore Canopy Area, 4th Floor, A Block, SOE, was a grand celebration marking the culmination of the academic journey for approximately 900 students across various disciplines including the School of Engineering (SoE), BCA, MCA, and M.Tech programs.

Under the meticulous coordination of Ms. Shyamantha S, Deputy Director, Student Affairs, the event unfolded seamlessly, with Mrs. Nandini Rao G, Assistant Professor, Department of ECE, and Ms. Taniya from the 3rd year CST department, skillfully guiding the proceedings as MCs. Dr. Saara K, Professor, Dept. of ECE, orchestrated the group photo session and student farewell mementos, ensuring every moment was captured and cherished. The day commenced with an atmosphere of excitement and camaraderie as students, Faculty members, department chairpersons, SoE- Dean Dr. Udaya Kumar Reddy KR and Dr. Puttamadappa C, Registrar, DSU, came together for a spirited group photo session, capturing the essence of their shared experiences at DSU. Formal proceedings followed, with Dr. Amit Bhatt, Vice Chancellor, and Dr. Udaya Kumar Reddy KR, Dean SoE, delivering inspiring addresses that resonated with the graduating cohort.

The event took an emotional turn as final year students took the stage to express heartfelt gratitude and share fond memories of their time at DSU, reflecting on the growth and transformation they experienced during their academic journey. Cultural performances by acclaimed artists, including Mr. Sunil Nakod, Musician/Band, and finalists from Skoda Deccan Beats and Gana Chandana competitions, added a touch of vibrancy and entertainment to the event, captivating the audience and creating lasting memories.

The festivities continued with a sumptuous lunch served to all attendees, providing an opportunity for networking and fostering connections. The event concluded with the screening of department-wise student memory videos, offering a poignant reminder of the cherished moments and bonds formed during their time at DSU, leaving a lasting impression as the graduating class prepared to embark on new endeavors beyond the university walls.



Professional Society News

AeSI - Student Chapter

Inaugurated Aeronautical Society of India (AeSI), Student Chapter on 22/5/24. Aeronautical and Aerospace Sciences /Technologies.

Shri V Balakrishnan Vice chairman AeSI-BB, Former Executive Director (Engines), HAL joined as a chief guest and Dr. Saji D former Chief Scientist NAL joined as a Guest of honour. This event was Presided by Dr. Udayakumar Reddy, Dean SoE, DSU and Dr. Nagaraja SR Chairman, Dept of ASE, DSU.

As a guest of honor, Dr. Saji D., a former chief scientist at NAL, gave a briefing to all the students about the advantages of the Aeronautical Society of India. He covered the advantages of the poster presentation competition, lecture series featuring outside experts, and other benefits for the university and its student members.



24-hour Hackathon on “DSU Code Red”

The professional society namely, ACM student chapter of Computer Science and Engineering department organized a 24-hour Hackathon with title: “DSU Code Red – Can you survive the challenge” on May 22, 2024.

“DSU Code Red”, an exhilarating event inspired by the hit series Squid Game! Prepare to test your skills, wit, and determination as you navigate through a series of challenges reminiscent of the popular show. From the infamous Red Light, and Green Light to the showdown, teams compete for glory and a chance to win the ultimate cash prize.

The program started with a welcome by Prof Suvika KV, Assistant professor, Department of Computer Science Engineering. As well as the excitement visible among the participants. Dr. Amit Bhatt in charge Vice-Chancellor DSU, Dr. Udaya Kumar Reddy K R, Dean School Engineering, and Dr. Girisha G S, Chairperson, Department of Computer Science Engineering inaugurated the event by lighting the lamp. Also present were Dr. Basavraj Hiremath and Dr Bipin Kumar Rai, professor, Department of Computer Science Engineering. Also followed by participant and organizer of the event.



Important Meetings

- **Centre of Excellence Brainstorming Session:** The meeting on “Industry 4.0 Centre of Excellence” was conducted on May 20, 2024 in collaboration with experts Ms. Sadiya Arshad, Director of Education, Mr. Shyam Krishnan, Manager and Mr. Bhanu Prakash Dixith, Manager from CoreEL Technologies which focused on Research & Development, skill development & Industry connections. The attendees of the meeting was all department Chairpersons to brainstorm the MATLAB utility in innovation labs such as Digital Manufacturing, Additive Manufacturing integrated to Mechatronics, AR / VR, Electronic System Design & Manufacturing Lab, UAV / Drone Lab and Electric Vehicle Lab.
- **NBA Brainstorming Session:** The 2nd NBA brainstorming meeting was conducted on May 23, 2024 with all department Chairs and NBA coordinators to discuss on the following agenda: List of POs & PSOs, Curriculum structure – Processes & Components, Connection between courses and POs / PSOs, Course outcomes (COs) semester-wise, Mapping of COs with POs / PSOs and Program Articulation matrix.





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