



DAYANANDA SAGAR
UNIVERSITY



SCHOOL OF
ENGINEERING

SOE - "The Weekly Buzz"

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



Week #23(June 03rd to 08th 2024)

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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.

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Top Stories

- “INAUGURATION of IEEE RAS and CIS SBC, DSU” two student chapters has inaugurated on Monday 3rd June 2024, IEEE Computational Intelligence Society (CIS) and IEEE Robotics and Automation Society (RAS). it was organised by department of CSE (AI&ML) in association with IEEE Student Branch, DSU. Both chapters deal with the most important topic in the world now and will expose students to these topics.
- “Entrepreneurship-Cell (E-Cell), SOE, DSU Inauguration”, the event has been inaugurated by the Chief Guest, Dr. Madanmohan Rao acting as Research director, Your story. Dr. Sridhar S K, E-Cell Lead, has officially announced the E-Cell, SOE existence with its objectives and future goals. Dr. Madanmohan Rao has delivered, opening address: 'The Entrepreneurship Opportunity in India', Masterclass on 'From Problem-spotting to Product Launch - The Startup Journey', Prof. Osama Manzar has delivered Virtual session on Tech and sustainability. Mr. Vinay Dora, Founder, Crowd product has delivered session on Tech tools for Startups.
- “IEEE COMPUTER SOCIETY Execom members of student Chapter” The event began with the hopeful and sustainable act of watering the plant. Then, Sai Prasad performed his opening song to enlighten our souls. Following this, members of the respective societies introduced our chief guests: Dr. Chengappa M R, the Vice Chair of Industry and IEEE Standards; Abhishek Appaji, the IEEE SPS Chair of the Bangalore Chapter; Dr. D N Sujata, the IEEE Computer Society Chair of the Bangalore Chapter; and Dr. Ashwini Appaji, Headmistress at Holy Child Convent, Bangalore, and former Chair for Young Professionals of the Bangalore Section in 2020. Dr. Pushpamala then shared her knowledge on IEEE and the perks of being an IEEE member.

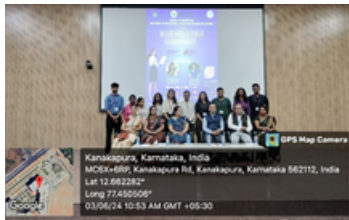


Student / Faculty Development Activities

INAUGURATION CEREMONY OF IEEE RAS and CIS SBC

The ceremony was held in presence of Dr. Sumona Ashok, Chair IEEE CIS Bangalore, Dr. Mangala Gowri S. G., Secretary IEEE RAS Bangalore, Dr. Udaya Kumar Reddy K R, Dean SoE DSU, Dr. Jayavrinda Vrindavanam V, Chairperson CSE (AI&ML) SoE DSU, Dr. Arun Balodi, Chairperson ECE SoE DSU, Dr. Pushpa Mala S, IEEE Student Branch Counsellor DSU, and Prof. Subhash Mondal, Faculty Advisor IEEE CIS & RAS SBC, DSU.

After the ceremony, students also got to attend talks from Dr. Sumona Ashok on the topic “Computational Intelligence: Advances, Challenges and Future” and from Dr. Mangala Gowri S. G. on the topic “Advanced Application on Robotics and Automation”.



Inauguration Entrepreneurship Cell (E-Cell), SOE, DSU

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The 8 student teams have delivered their Market potential Startup pitches in front of expert panel members and received a great appreciation.



IEEE Computer Society Student Chapter, DSU

The event was organized to inaugurate the Computer Society while also striving to enhance our understanding of IEEE and explain the benefits it offers to its members. Through informative sessions, discussions, and interactions with esteemed guests who are part of IEEE, the event sought to provide participants with a comprehensive overview of IEEE's significance in the realm of technology and innovation.

By delving into the various societies and their roles within IEEE, attendees gained valuable insights into the opportunities, resources, and networking avenues available to them as IEEE members. The event was not only a platform for celebration and recognition but also a medium for gaining knowledge about the IEEE community and promoting a sense of belonging and collaboration among its members.



Events: Department Club Activities

Industrial visit to GTTC

On the occasion of World Environment Day(05/06/2024), ME department had the opportunity to visit the Government Tool Room and Training Centre (GTTC) in Rajajinagar. The visit commenced with a warm welcome from Dr. Gagnadhar, the Head of the Department at GTTC. He provided an insightful overview of the institution's branches, its origins, and the impressive placement packages of its students. This introductory session set the stage for a day filled with learning and exploration.



BOSCH higher education Programs

As part of the B. Voc Industrial Automation - BOSCH higher education Programs - employees of BOSCH. orientation program on Industrial Hydraulics & Industrial Pneumatics was held in Bosch Rexroth Innovation Lab on Saturday 8 th June, 2024. The program was led by Ms.K.Sudha Deepthi, Manager – Bosch Rexroth Innovation Lab.

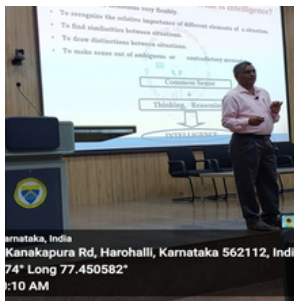


Expert Talk on “Machine Learning and Neural Networks”

The DataScience@DSU Club, the Department of CSE (Data Science) organized a Workshop on Beginner's Guide to Machine Learning and Neural Networks held on 8th June, 2024 at 9:00 AM- 1:00 PM organized by Dr. Shaila S G, Professor and Chairperson (DS), Prof. Shivamma D, Assistant Professor, Dept. of CSE (Data Science), and Prof. Monish L, Assistant Professor, Dept. of CSE (Data Science). More than 40+ students have been registered for the event.

The event began with an overview of AI and neural networks, emphasizing their ability to simulate brain function with billions of interconnected nerve cells. Key topics included Static Neural Networks, their structure, and the role of threshold and activation functions in processing inputs. The seminar also covered Artificial Neural Networks (ANN), explaining their architecture and training processes.

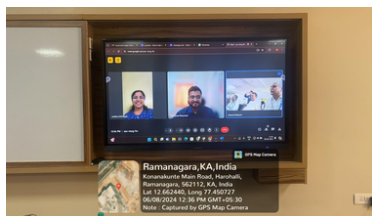
Participants learned about the perceptron model and the importance of multilayer neural networks in capturing complex data patterns. Interactive workshop sessions provided practical experience, enhancing participants' understanding of neural network applications in machine learning.



Important Meetings

Department of Aerospace - BoS Meeting

The Board of Studies meeting was conducted on 8/6/2024 at Department of Aerospace Engineering Dayananda Sagar University, the main agenda was to discuss the scheme and syllabus for the batch pf 2023-2027,2024-2028 and also for the higher semester for the batches 2021-225 and 2022-2026. Dr. K. Balamurugan Principal Scientist & Group Head,Dept of Mechanical Systems, Design Group, NGL, Bengaluru, Dr. Sudha Srinivasan Scientist G,Group Director (IV&V-WS)Aeronautical Development Agency, Mr. Rishabsai Jr. Executive CSS-MRO, Lufthansa Technik Services India joined for the meeting and reviewed all the scheme and syllabus & shared their suggestions and comments which will be incorporated in the action taken report based on the minutes recorded during the meeting.

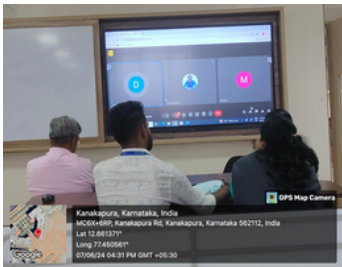


Department of CSE (Data Science) - BoS Meeting

These discussions and reviews are essential for ensuring the quality and relevance of the department, the recommendations and guidance provided will help in enhancing the educational experience for students and aligning the curriculum with industry standards and best practices.

Vision and Mission of Computer Science and Engineering (Data Science), Program Educational Objectives (PEOs), Program Specific Outcomes (PSOs), Stakeholder feedback on curriculum (students, faculty, parents), Review and discussion of the 2022 scheme and Choice Based Credit System (CBCS) syllabus for the 5th - 8th semester of B.Tech in Computer Science and Engineering (Data Science), Review and discussion of the 2023 scheme and CBCS syllabus for the 3rd - 8th semester of B Tech in Computer Science and Engineering (Data Science),

Review and discussion of the 2023 scheme and CBCS syllabus for the 1st - 2nd semester of B Tech in Computer Science and Engineering (Data Science)



Department of Mechanical Engineering - BoS Meeting

Board of Studies- Department of Mechanical Engineering, Hybrid Mode, Lecture Hall 6: I Floor Block A, DSU Main Campus -Harohalli, Saturday, 08/06/2024, 10.30 am Onwards.

Dr. Vinayak Hemadri – Chairperson & Professor Department of Mechanical Engineering, SoE -DSU, Dr. Venkeshwarulu - Chief Scientist, National Aerospace Laboratories (NAL), Dr. S. Seetharam - Professor, Atria Institute of Technology; Former Director, Central Power Research Institute (CPRI), Dr. M.G. Anant Kumar - Joint Director, Central Power Research Institute (CPRI), Dr. Rammohan Bhanumurthy - Professor Department of Mechanical Engineering, SoE -DSU, Dr. Vishwanathan R. – Associate Professor Department of Mechanical Engineering, SoE -DSU.

Revised Vision, Mission, PO and PSO's of the Department, Finalization of scheme and syllabus for 2024-25 curriculum B.Tech, Mechanical Engineering, Finalization of scheme and syllabus for 2023-24 curriculum B.Tech, Mechanical Engineering from III semester onwards, Discussion on M.Tech Design Engineering scheme and syllabus for the academic year 2024-2025, Discussions on BOSCH higher education programs B.Tech Mechanical Engineering, M. Tech by research specialization in Manufacturing and BVOC Industrial automation for the academic year 2024-25



Department of CSE (AIML) - BoS Meeting

Dr. Jayavrinda Vrindavanam Welcomed all the panel members of board of studies, Prof. Pradeep briefly explained the propose of BoS & the details of the academic years for organizing the BoS. Dr. Joshuva A Dhanaraj started with the presentation of 2022-2026 Batch (5th to 8th Sem). Prof. Pradeep Kumar Started with the presentation of 2021-2025 Batch (7th & 8th sem).

Dr. Vegi Fernando started with the presentation of 2023-2027 Batch (3rd to 8th Sem).

Dr. Ramesh R Galigekere, Professor & Dean Academics, gave few inputs, Dr. Udaya kumar Reddy K.R. Dean, School of Engineering, DSU provided with the inputs for updating textbooks recent edition, External panel member gave their insights for all the batch syllabus.





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