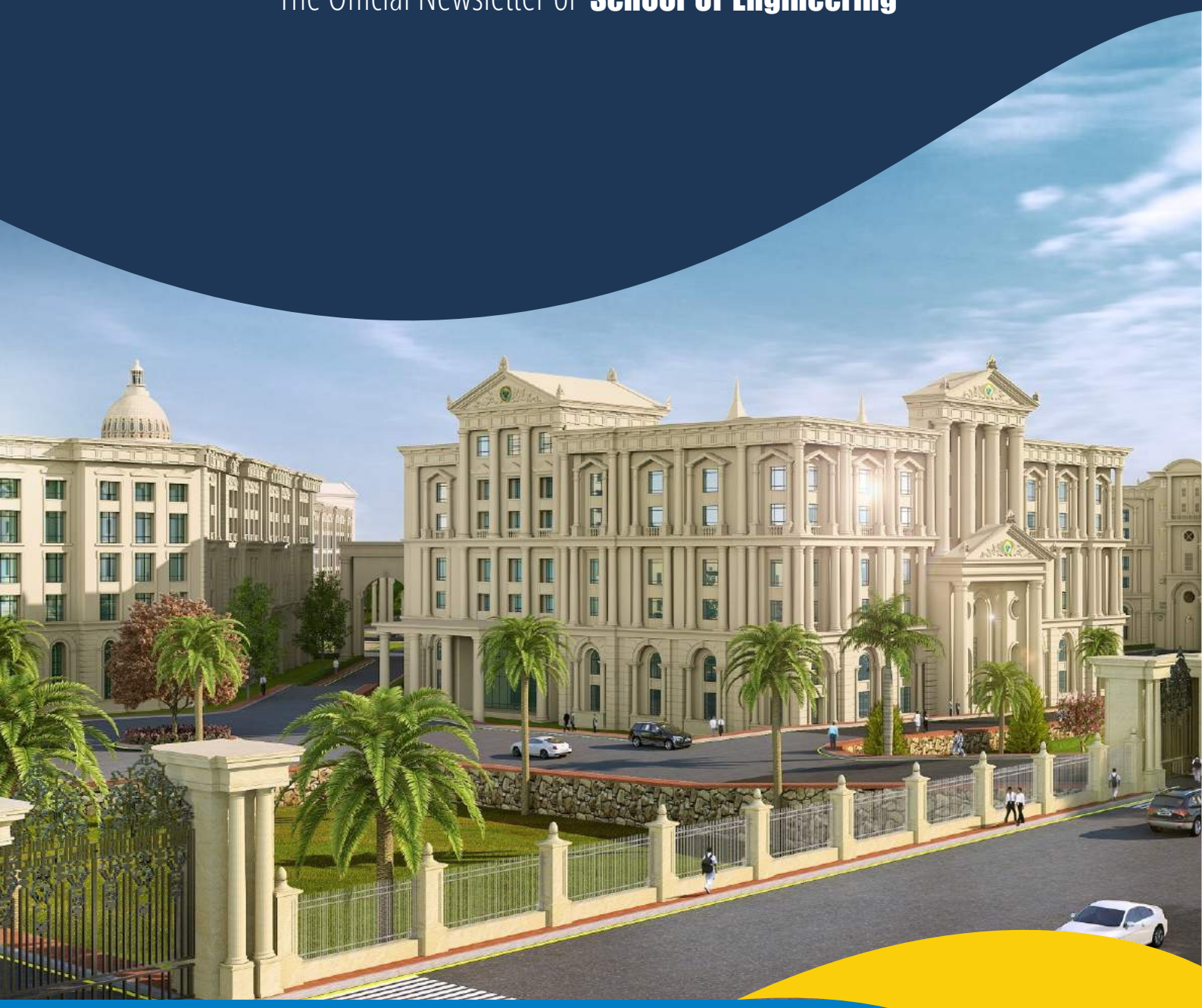
Volume-1 Issue-7

Dayananda Sagar is backed by a Six-Decade Legacy in Education & Healthcare

Dayananda Sagar University Bengaluru

SOE-BULLETIN

The Official Newsletter of **School of Engineering**



July 2023

www.dsu.edu.in

SCHOOL OF ENGINEERING

Vision

To Transform life through Excellence and Innovation on in Engineering Education and Research with an emphasis on Sustainable, Inclusive Technology and Global needs.

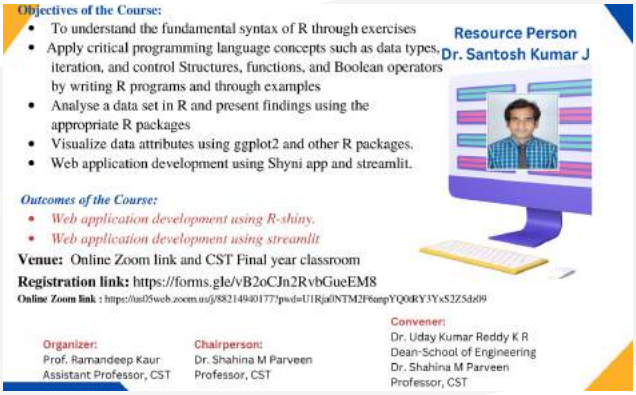
Mission

To Develop School of Engineering at Dayananda Sagar University, as Center of Excellence by imparting Quality Education and Research to generate highly Competent, Skilled and Humane manpower to face emerging Technological, Scientific and Social challenges with Ethics, Integrity, Credibility and Social concern.

TECH TALKS

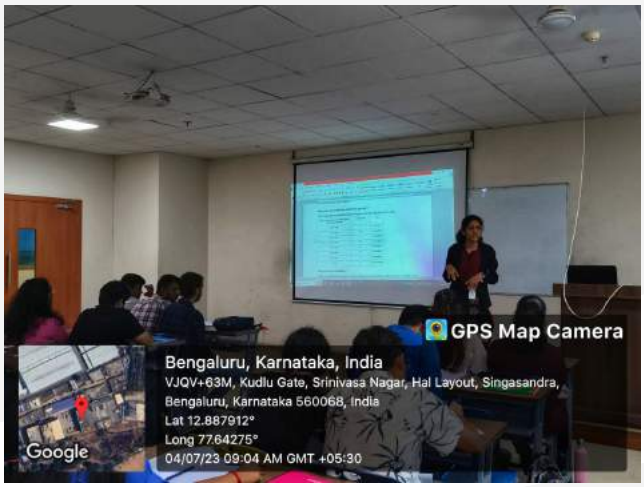
Value-Added Course on “Application Development using R-Programming and Streamlit”

The Department of Computer Science & Technology is organizing a Value-Added Course on “Application Development using R-Programming and Streamlit” from 06/07/2023 to 18/07/2023, for 30 hours. The course will be conducted in Hybrid mode 2 hours per day duration.



NAAC awareness for First Year Students

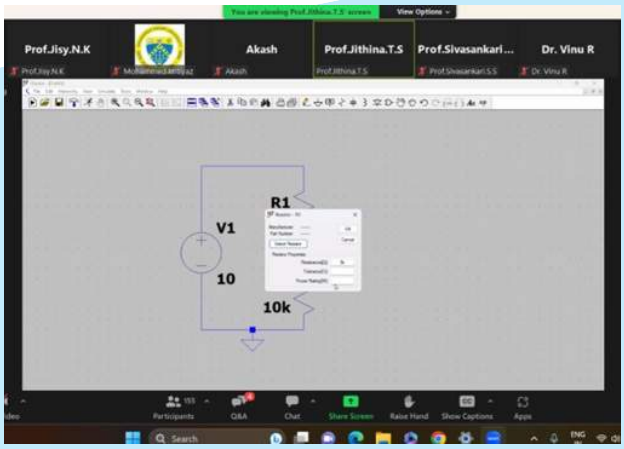
The Department of Computer Science and Engineering conducted NAAC awareness to educate students about the importance of NAAC.

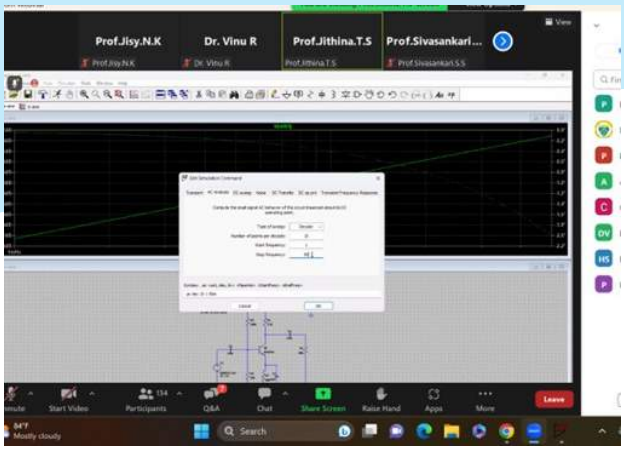


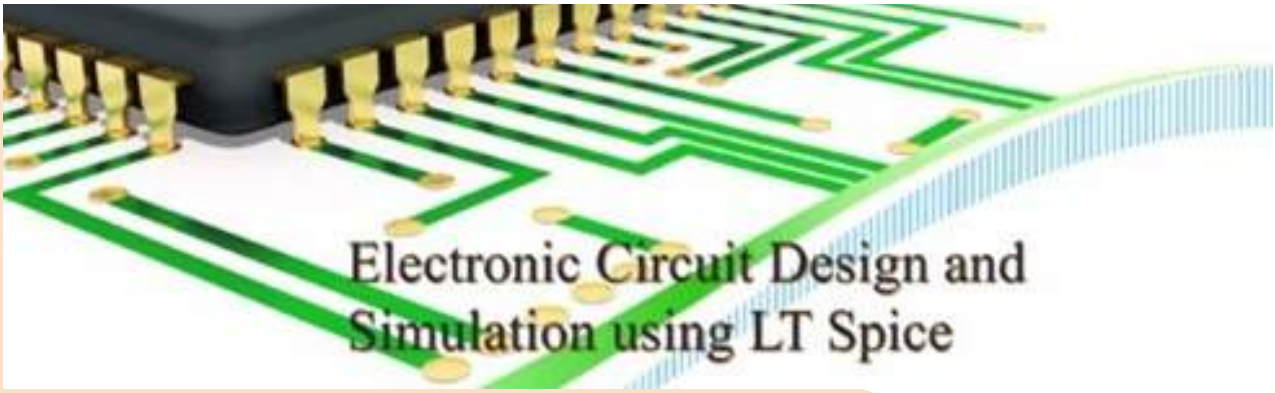
Webinar on Electronic Circuit Design and Simulation Using LTspice

The Department of Electronics and Communication organized a webinar on Electronic Circuit Design and Simulation Using LTspice for First year students on 01/07/2023 from 11.00 am to 01.00 pm through the Zoom platform. The resource person for the event was Prof. Jithina T S from the Department of Electronics and Communication Engineering, College of Engineering, Trivandrum under the Directorate of Technical Education, Kerala. This workshop aims to facilitate the students with hands-on experience in designing the electronic circuit using LTspice.

The event started with a welcome note delivered by Mr. Chetan K Murthy. Prof Jithina presented to the students on tools and techniques used in designing circuits using LTspice. She explained the designing of basic and advanced electronic circuits in the software, followed by simulation and analysis of the circuit for ac, dc, and transient responses.



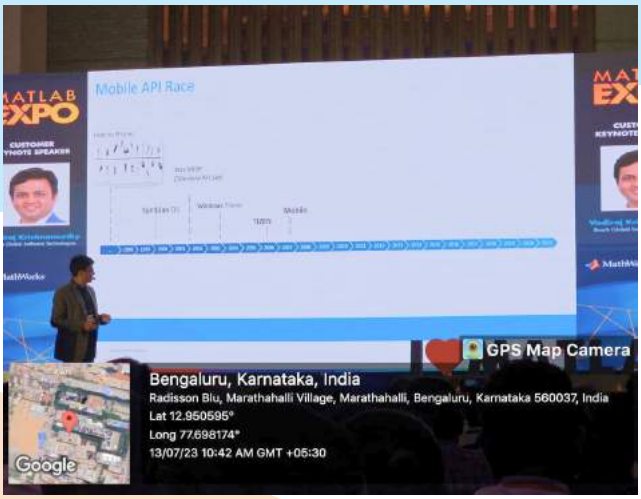




EVENTS

MATLAB EXPO 2023 Workshop - Driving into the Future: AI-Enabled Autonomous Systems organized by MATHWORKS

The MATLAB EXPO 2023 Workshop was held in Bangalore on July 13 2023 at Radisson Blu, attracting a large audience eager to learn and engage with experts from MathWorks. The MATLAB EXPO is an annual event organized by MathWorks, the company behind MATLAB, a powerful and widely used programming language and computing environment for technical and scientific computing. The expo typically brings together engineers, researchers, educators, and industry professionals to explore the latest advancements in MATLAB and its applications across various fields.



NSS Activity: Village Visit

Students of Department of Computer Science and Engineering visited village as part of NSS activity on 25th July,2023.

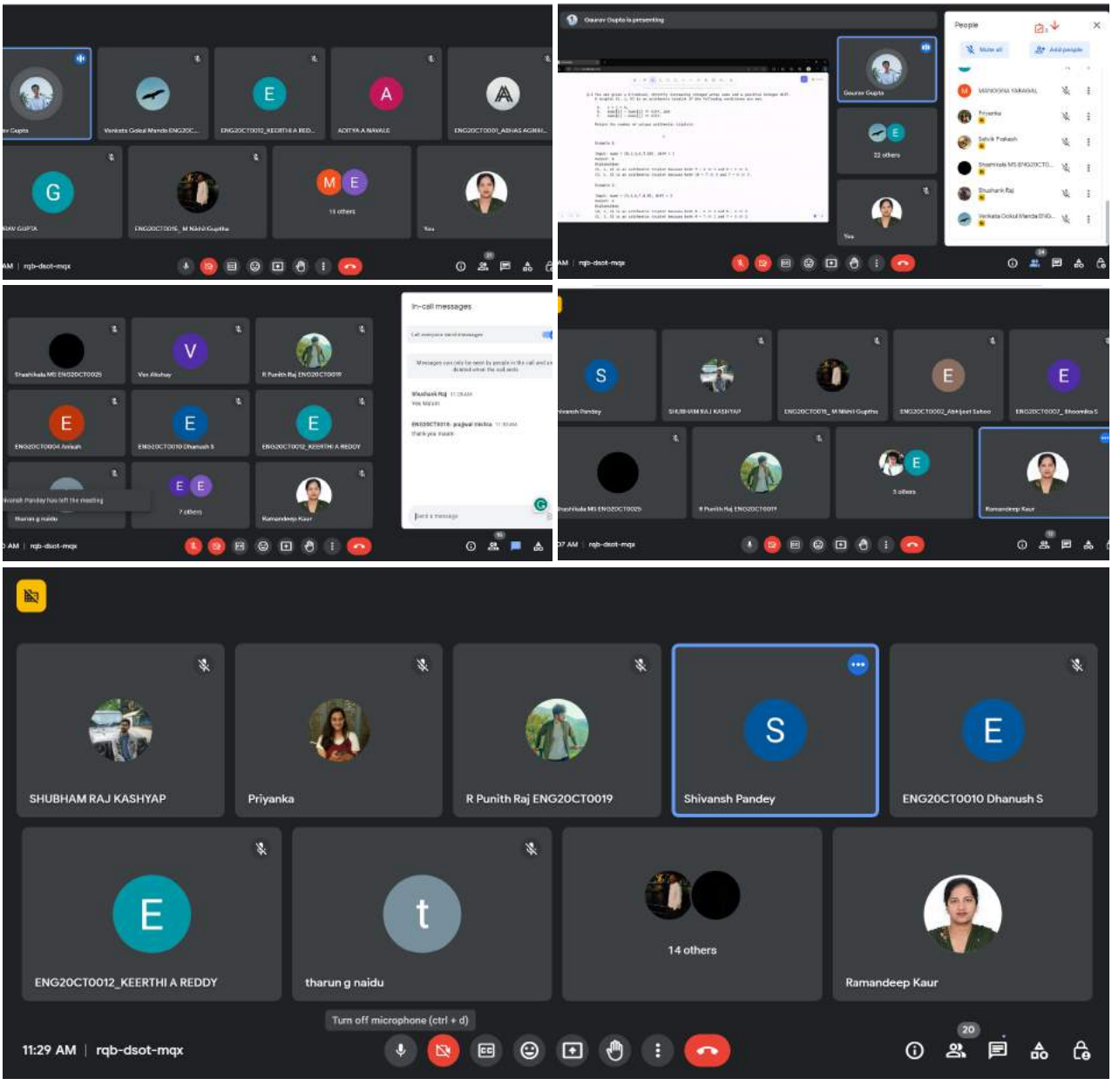
MoU with Infosys Limited

MOU is signed by Registrar Sir between Dayananda Sagar University and INFOSYS Limited Bengaluru on Infosys-Springboard on 17th July, 2023. This empowers students and faculty enablement programmes with themes of "Learn by doing", "Motivating to learn" and "Just in time learning", "Upskill and learn". Initiative taken by Dr Girisha G.S., Professor and Chairperson and Dr Basavaraj N Hiremath Professor, Department of Computer Science and Engineering.

PLACEMENT ACTIVITIES

Pre-Placement Training by Alumni

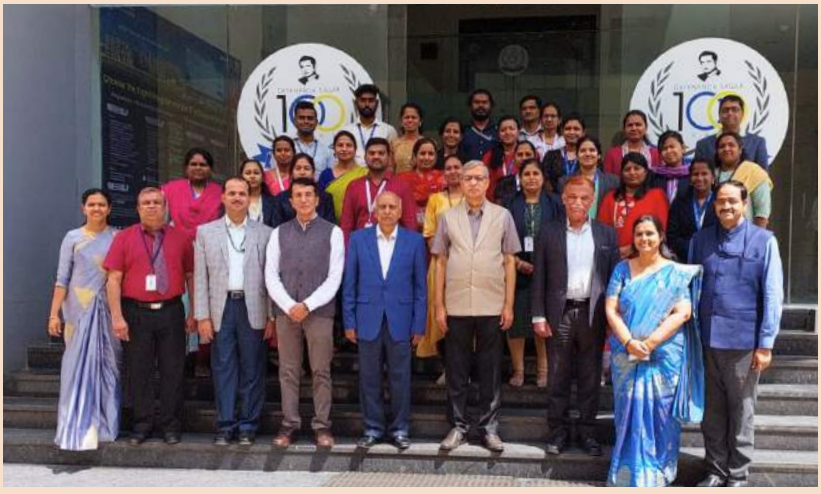
Department of Computer Science & Technology, DSU organized Pre-Placement Training for the 2024 passing out batch by refreshing the core courses that will help in preparing for placements. According to the response received from the refresher course survey it is analyzed that most of the students are facing difficulties to crack the problems in Data Structure, Algorithm courses and questionnaires.



WORKSHOPS

Workshop on “Data Analytics and Machine Intelligence for Cyber Security Threats and Challenges”

The Department of Computer Science and Engineering (Artificial Intelligence and Machine Learning), Department of Computer Science and Engineering (Data Science) and the Department of Computer Science and Engineering (Cyber Security) jointly organized one week Faculty Development Programme from 25th - 31st July, 2023 on “Data Analytics and Machine Intelligence for Cyber Security Threats and Challenges”. The FDP benefitted the faculty members of CS cluster in enhancing the knowledge of Data Science, Machine Learning and Deep Learning roles in order to tackle the Cyber Security threats and challenges. The resource persons were from reputed organizations both from Academia as well as from Industry such as TCS, Microsoft, Altimetrik, IBM, IISc, BITS Pilani, KLETECH.



Workshop on "Fundamentals of Low Frequency NVH and Automotive Applications"

From June 19-23, 2023, a Faculty Development Program (FDP) on "Fundamentals of Low Frequency NVH and Automotive Applications" was conducted by La Foundation, Dassault Systems, Pune. The program aimed to educate faculty members on Noise, Vibration, and Harshness (NVH) concepts and Finite Element Analysis (FEA) using the Abaqus software.

CERTIFICATE

OF COMPLETION

This certificate is awarded to

Dr. Rammohan Bhanumurthy
from **Dayanand Sagar University, Bengaluru**

For participating in Five Days Training on
Faculty Development Program on Fundamentals of Low Frequency NVH and Automotive Applications
organized by Dassault Systemes Foundation
from 19th June 2023 to 23rd June 2023

DASSAULT SYSTEMES
La Fondation

Hemant Gadgil
Executive Director,
La Fondation Dassault Systemes,
India

Workshop on Autodesk Fusion 360

From July 27-28, 2023, a Faculty Development Program (FDP) on "Autodesk Fusion 360" was conducted by Autodesk, Bengaluru. The program aimed to provide an in-depth understanding of the latest advancements in Fusion 360, manufacturing techniques, and generative design principles. The attendees from the Mechanical Engineering Department of Dayananda Sagar University, Bengaluru, were Dr. Shashidhara. L. C, Assistant Professor.

FACULTY ACHIEVEMENTS

Dr. Rajesh T.M
Associate Professor
Department of CSE, DSU.

Dr. Rajesh T.M. has successfully published a Patent entitled "SYSTEM AND METHOD OF CLASSIFYING EGG-CARRYING FISH " at the Intellectual Property Rights of India on 30th June 2023.

Dr. Praveen Kulkarni
Associate Professor
Department of CSE, DSU.

Dr. Praveen Kulkarni, Dr. Rajesh T M has successfully published a Patent entitled “CLASSIFIER DEVICE, SYSTEM, AND METHOD” at the Intellectual Property Rights of India on 30th June,2023.

Dr. Suresh Pittala
Associate Professor
Department of Physics, DSU.

Dr. Suresh Pittala, Associate Professor published an article in scopus indexed journal, “Chemical Engineering Journal”. The article is entitled, “N-doped graphene leaves on carbon nanotubes and NiMn2O4-graphene hybrid nanocomposites with ionogel film for flexible symmetric and asymmetric supercapacitors”. In this the authors report the efficient fusion of the various components into hybrid nanostructures in a hierarchical three-dimensional fashion as one of the significant strategies to obtain potential electrode materials for supercapacitors. https://doi.org/10.1016/j.cej.2023.144863

Dr. Anuradha Bhattacharya
Assistant Professor
Department of Mathematics, DSU

Dr. Anuradha Bhattacharya, Assistant Professor has published a paper titled “Modelling and stability analysis of SEIRS model for understanding the Tuberculosis disease dynamics” at 2nd International Conference on Recent Trends in Applied and Computational Mathematics (ICRTACM-2021).
AIP Conference Proceedings 2649, 010001 (2023) https://doi.org/10.1063/12.0012602

Dr. Rakesh Kumar Singh
Assistant Professor
Department of Mathematics, DSU.

Dr. Rakesh Kumar Singh, Assistant Professor has published a paper titled "Modeling Earth Systems and Environment:Title-Pollutant dispersion with an intermediate source in a semi-infinite aquifer"
https://doi.org/10.1007/s40808-023-01827

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