

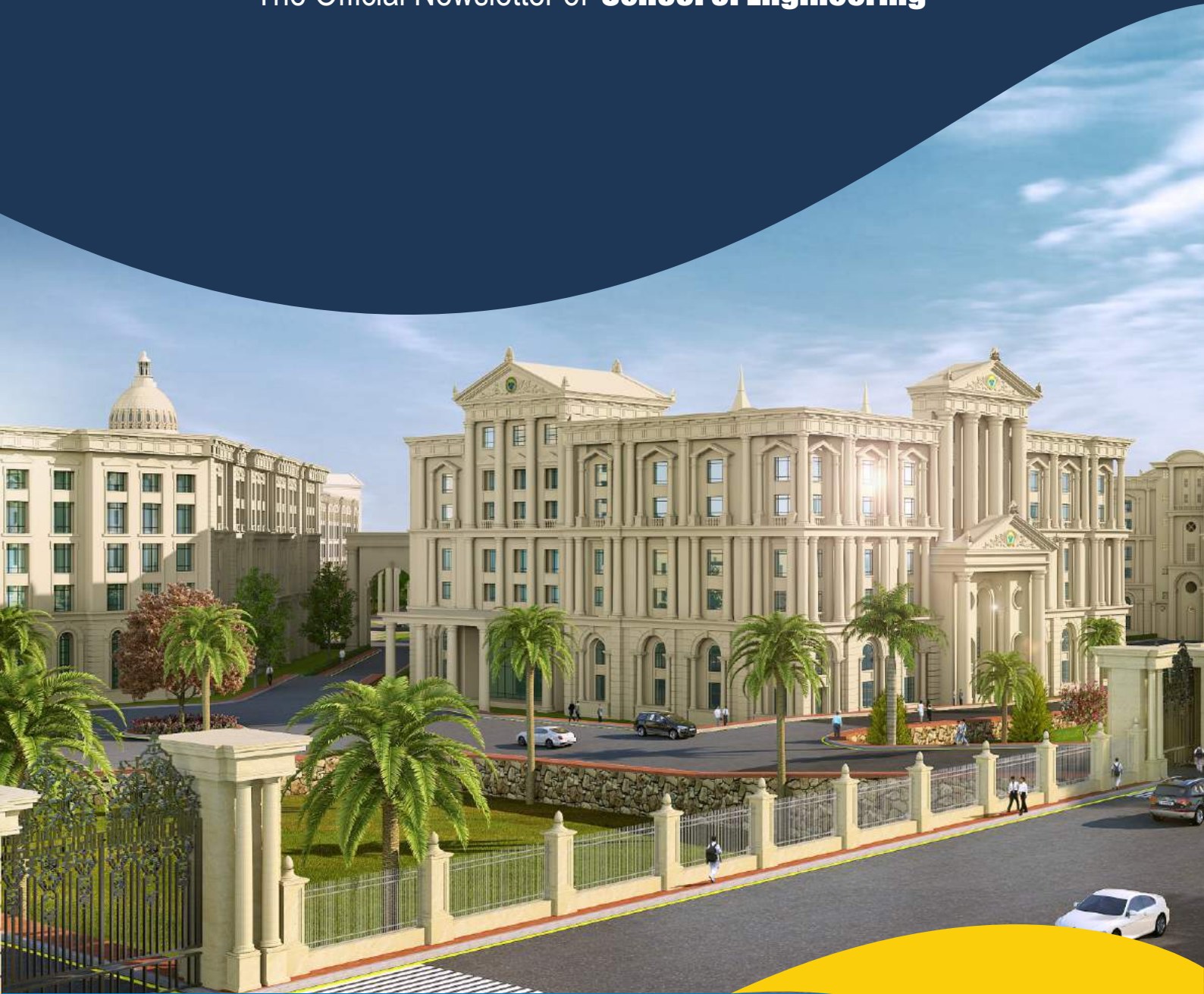


Dayananda Sagar University

Bengaluru

SOE-BULLETIN

The Official Newsletter of **School of Engineering**



SCHOOL OF ENGINEERING

Vision

To Transform life through Excellence and Innovation 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.



Department of Computer Science & Technology

(Artificial Intelligence and Machine Learning)

Talk on Placement

Talk on Placement Activities by Placement coordinator: Dr. Vijaykumar (placement officer) has given a talk about pre-placement activities on 07/02/2023 & 10/02/2023 for 6th semester AIML students.


Events from AIWorks@dsu Altair RapidMiner

Department of Artificial Intelligence & Machine Learning, School of Engineering at DSU has organized an demo version on Altair RapidMiner: which is a well-established desktop, new-gen SaaS Cloud based platform, and new-to-market cloud platform (multi-tenant and SaaS ready) strengthens Altair's current end-to-end data analytics (DA) portfolio, which offers customers the power to understand, transform, act on, and automate their data.





Webinar on ChatGPT- The future of Conversational Internet


Talk on ChatGPT-the future of conversational internet on 17/02/2023 from 10.00AM to 11.30AM (online) for 6th semester AIML students by Mr. Harsh Singhal, Head of Machine Learning, Koo.




Dayananda Sagar University
School of Engineering
Kudlu Gate, Hosur Main Road, Bengaluru - 560068
Department of Computer Science and Engineering (Artificial Intelligence and Machine Learning)



The Artificial Intelligence and Machine Learning club of Dayananda Sagar University, *AIWorks @ DSU*, cordially invites all 6th Semester CSE students for an online seminar given by **Mr. Harsh Singhal** Head of Machine Learning, **Koo**



Topic: ChatGPT - The Future of Conversational Internet
Timing: 10:00 AM -12:00 PM; Friday, 17th February 2023
Agenda: Introduction to GPT, Implementation, Comparison between ChatGPT and Bard, Future Scope, Q & A Session

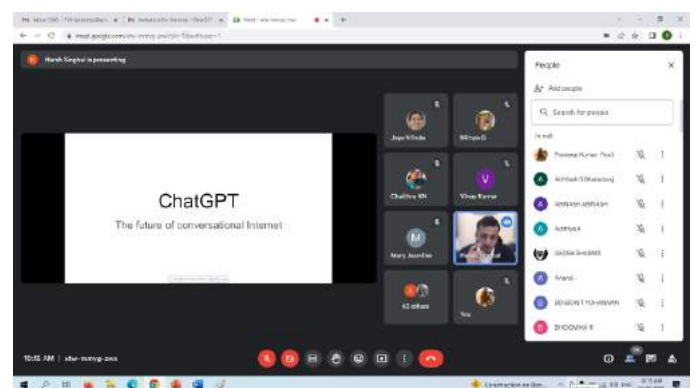
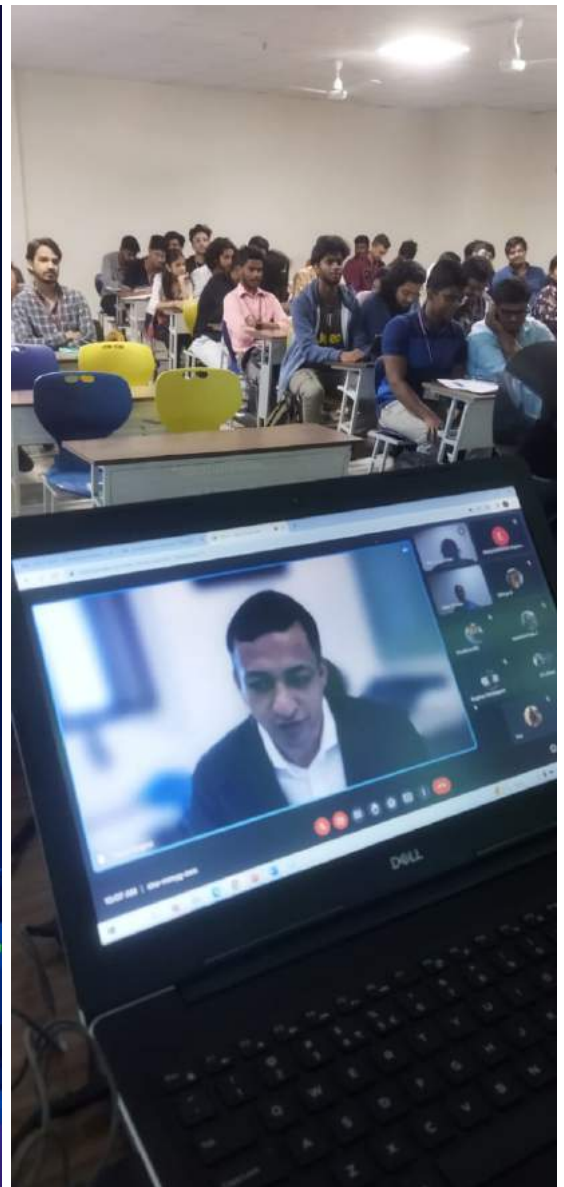


Conveners:
Dr. Udaya Kumar Reddy K R
Dean,
School of Engineering

Faculty Coordinator:
Mr. Raghavendra K
Assistant Professor,
Department of CSE (AI & ML)

Student Coordinators:
Gaurav Kamath
Harsha Tejas
Raghav Nanjappa
Raye Haarika
Rohan R

Dr. Jayavrinda Vrindavanam V
Professor and Chairperson,
Department of CSE (AI & ML)



Webinar on “Introduction to ARM Architecture”



Dayananda Sagar University
School of Engineering
Kudlu Gate, Hosur Main Road, Bengaluru - 560068
Department of Computer Science and Engineering
(Artificial Intelligence and Machine Learning)



The Artificial Intelligence and Machine Learning club of Dayananda Sagar University, *AIWorks @ DSU*, cordially invites all 6th Semester CSE (AI & ML) students for a seminar given by



Dr. Amit Bhatt
Pro-Vice Chancellor,
Dayananda Sagar University

Topic: Introduction to ARM Architecture and its applications in AI



Timing: 11:00 AM - 12:30 PM; Thursday, 23rd February 2023
Venue: Gallery Hall 3, 'A' Block

Conveners:
Dr. Jayavrinda Vrindavanam V
Professor and Chairperson,
Department of CSE (AI & ML)


Faculty Coordinator:
Mr. Raghavendra K
Assistant Professor,
Department of CSE (AI & ML)

Student Coordinators:
Gaurav Kamath
Harsha Tejas
Raghav Nanjappa
Raye Haarika
Rohan R



Dr. Bhatt also emphasized the importance of the Graphics Processing Unit (GPU) and the Digital Signal Processor (DSP), especially in the field of AI. As deep learning is all about matrix multiplications, GPUs and DSPs are the perfect fit for this purpose, as they are designed for parallel processing, which helps in speeding up the calculations. He also expressed how important it is for Computer Science students to learn concepts from Electrical, as it helps them to understand the hardware better, which in turn helps them to write better software.

Webinar on Getting Started with Microsoft Azure Report:



GETTING STARTED WITH MICROSOFT AZURE: AN INTRODUCTION TO MICROSOFT AZURE AND AZURE COGNITIVE SERVICES

ORGANIZED BY- CSE (AIML) DEPARTMENT, DAYANAND SAGAR UNIVERSITY

DATE AND TIME : 22/03/23 ----- 1:30 PM TO 4:30 PM

ARE YOU READY TO TAKE YOUR TECH SKILLS TO THE NEXT LEVEL?
JOIN EXPERT TRAINER VIVEK KUMAR IN OUR UPCOMING ONLINE SESSION ON GETTING STARTED WITH MICROSOFT AZURE AND ITS POWERFUL COGNITIVE SERVICES. GET READY TO LEARN FROM THE BEST AND DISCOVER HOW AZURE CAN HELP YOU BUILD CUTTING-EDGE APPLICATIONS, STREAMLINE WORKFLOWS, AND TRANSFORM THE WAY YOU WORK. DON'T MISS OUT ON THIS EXCITING OPPORTUNITY TO TAKE YOUR SKILLS TO NEW HEIGHTS! SIGN UP NOW AND GET READY TO SOAR WITH AZURE.

CONVENERS:
DR. UDAYA KUMAR REDDY KR
DEAN, SOE
DR. JAYAVRINDA VRINDAVANAM V
CHAIRPERSON, CSE(AIML)

FACULTY CO-ORDINATORS:
DR. MONIKA GOYAL
ASST. PROFESSOR CSE(AIML)

STUDENT CO-ORDINATOR:
ANUJ DWIVEDI



VIVEK KUMAR
EXPERT TRAINER
MICROSOFT AZURE TRAINING

Scan to Register:

Resource Person: Vivek Kumar, Expert Trainer, Microsoft Azure Training

Mr. Vivek Kumar explained the three main types of cloud computing, namely, Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS).

Webinar on “IT LAYOFFS 2023: Time to go home?”



IT industry and explores the possibility of layoffs. The seminar examined the potential reasons for such layoffs and explored ways to prepare and respond to such situations. With the COVID-19 pandemic, many businesses have been forced to cut costs, and this has led to the possibility of layoffs. The potential reasons for IT layoffs in 2023 could be due to factors such as the economic downturn, reduced demand for certain skills, mergers and acquisitions, and outsourcing. These factors can result in downsizing of companies and eventual layoffs of employees.



Publications

Anirudh Narayanan, A Kavya Sudha reddy, B G Prem Sai, M ADARSH PRYAN, Manasa Ganapa, Puthineedi MSK Raj Kumar, Rohan R, Kaparathi Gayathri, Students of 6th Sem AIML Coordinated the Event Faculty Development Program organized by Dept. of CSE, SOE, DSU from 13/02/2023 to 17/03/2023 on Cyber Security & Internet of Things.





Department of Computer Science & Engineering

Webinar on Exclusive prospect of career counseling and innovative abroad educational programs

Dr. Revathi V., Associate Professor, and Student Coordinators of Career Club, on behalf of Computer Science and Engineering, conducted a webinar entitled “Exclusive Prospect of Career Counseling and Innovative Abroad Educational Programs” on 11th February 2023. The objective of the webinar was to give students an awareness of international education, exams, the visa process, and other prerequisites. The keynote speaker of the webinar was Ms. Anjana Jain of Texas Review. She focused on the essential requirements for students desiring to study abroad.

Workshop on House of Coders: Principles of Data Structures for Tier 2 and Tier 3 Batch (SERIES-2)

Data Analytics & Visualization (DAV) Club of the Department of Computer Science Engineering conducted SERIES-2 Activity on “Principles of Data Structures for Tier 2 and Tier 3 Batch” for the 2nd and 3rd year students on 11th February 2023. The event was organized by Dr. Girisha G S, Professor & Chairman (CSE), Dr. Basavaraj N. Hiremath, Professor and Dr. Pramod Naik, Associate Professor and final year students Abhishek Krishna T M, Abhay V R, Akshay VR, Aaroodh L, Sayanthan Kumar, Yash Raj Ojha, Kavya M B, Bhagyalaxmi N Kulkarni. The Speakers of the event were all student coordinators of the event, they covered the easy computational techniques to work on large chunks of data.



Workshop on Cloud Application Development

Dr. Mouleeswaran S.K., Associate Professor on behalf of the Department of Computer Science and Engineering, organized a one-day faculty workshop on “Cloud Application Development” on 11th February, 2023, through a virtual platform. Dr. Anbunathan Ramaiah, Vice President of Sphinx Worldbiz Ltd, Pune, was the resource person who provided the workshop's technical presentation. The session aimed to offer insights into creating and developing cloud apps using REST APIs and Watson AI Services, together with Node.js, React, and JSON.

FDP on Quantum computing, tools and its applications

The Department of Computer Science and Engineering, and Department of Computer Science and Technology collaborated to organize a ONE WEEK Faculty Development Programme on “Quantum computing, tools, and its applications” from 13th - 17th February, 2023. The main goal of the initiative was to disseminate information on the concepts, tools, and software involved in quantum computing. The programme was launched on day 1 by Dr. Gopalkrishna Joshi, KSHCE Executive Director, Bengaluru. Further, two seminars on Introduction to Quantum Computing and its Applications were presented by Mr. Henry Sukumar and Dr. Asvija B, Joint Directors of C-DAC in Bengaluru. The second day began with presentations on Quantum Machine Learning by Ms. Smruthi Jain S. B., Technical Manager, Geo, Bangalore. Thereafter, Dr. Satyadhyan Chickerur, professor and director of the Center for HPC, delivered a session on Methodologies and Hands-on Problem-Solving Using Quantum Computing. Day 3 began with a presentation on the Directions and Prospects of Quantum Technology by Dr. Apoorva Patel, Professor, IISc. This was followed by a session from IBM experts who shed light on Overview of Quantum Computing Shesha S. Raghunathan, Senior Research Scientist, Sridhar Jonnala, Chief Data Scientist, Dr. Rajesh Karan, Data Scientist, and Qiskit Tool Hands-on were presented by Dr. Subarna Roy, Group Manager, Data-Science Division. Day 4 speakers included Dr. N. S. Vidhyadhiraja, Professor and Dean of Theoretical Sciences, Jawaharlal Nehru Center for Advanced Scientific Research discussed the Physics of quantum computing, including Superposition and Entanglement. Durai Karthi Ganesh, Chief Quantum Architect, BosonQ Psi, spoke on Hands on - Quantum Transfer Learning Using PennyLane. The final day speaker was Ms. Shikha Mehrotra, Principal Technical Officer, C-DAC, Bengaluru, elaborated on Introduction to QSim and QSim Algorithm Simulation. The participants were from academia and industry and gained expertise on the principles of quantum computing.



Workshop on House of Coders- Principles of Data Structures for Tier 2 and Tier 3 Batch (SERIES-3)

Data Analytics & Visualization (DAV) Club of the Department of Computer Science and Engineering conducted SERIES-3 Activity on “Principles of Data Structures for Tier 2 and Tier 3 Batch” for the 2nd and 3rd year students on 25th February, 2023. The event was organized by Dr. Girisha G S, Professor & Chairman (CSE), Dr. Basavaraj N. Hiremath Professor, Dr. Pramod Naik, Associate Professor and final year students Abhishek Krishna T M, Abhay V R, Akshay VR, Aaroodh L, Sayanthan Kumar, Yash Raj Ojha, Kavya M B, Bhagyalaxmi N Kulkarni.



Alumni Talk Series: Crafting your career in IT- Requirements and Expectations (SESSION-2)

Under the guidance of Prof.Rashmi Mothkur and Prof.Reshma B. the Department of Computer Science and Engineering held the second session of its “Alumni Talk Series: Crafting your career in IT- Requirements and Expectations (Session 2)” on 25th February, 2023. The objective of the session was to introduce students to the use of a wide range of transferable abilities they had acquired through their degree programme. The invited speaker for the session was Mr. Rohan Vijapur, Team Lead, Bimaplan, Bengaluru, who also graduated with the class of 2015–2019 batch.

STUDENT ACHIEVEMENTS

1. Ms. Shubhashree P, 8th Semester, Department of Computer Science and Engineering, was invited to serve as a judge for the BLOSSOMS Fest Extempore competition for BBA graduates on 28th February, 2023 at Christ University.



2. Mr. Suvik Sharma M. S., Mr. Vishnu S Nair, Mr. Rithvik ,8th Semester, Mr. Sehaj Talwar, Ms. Monithira C, Mr. Kiran Thomas V, 6th Semester and Ms. Spandana Das, 4th Semester, Department of Computer Science and Engineering under the Music band Vortex participated as finalists for “unmaad’23” on 26th February, 2023, organized by IIMB and also participated for Park Square Mall’s battle of bands prelims and were selected for the finals.



3. Mr. Sharath M N, Research Scholar, Department of Computer Science and Engineering, Dr. Rajesh T. M., Associate Professor, Computer Science and Engineering and Dr. Mallanagouda Patil, Associate Professor (CSE), RV Institute of Technology and Management published a paper entitled “A novel encryption with bacterial foraging optimization algorithm based pixel selection scheme for video steganography”, in Springer, Multimedia Tools and Applications on 14th February, 2023.



FACULTY ACHIEVEMENTS

1. Dr Niranjan Appaswamy, Associate Professor, Department of Computer Science and Engineering, School of Engineering Dayananda Sagar University Bengaluru, along with Dr P Deepa Shenoy Professor Department of CSE, UVCE Bangalore have formed the first ever STC-Cyber Security Special Technical Committee under the IEEE Computer Society Bangalore Chapter to address the growing needs of Practical and Actionable Information on Cyber Security expressed by Governments, Academia, Industry as well as the General Public. He also delivered a technical talk on “Cyber Security Fundamentals” in hybrid mode on 23rd February, 2023.



2. Ph.D. Awarded
Prof. Gousia Thaniyath, Assistant Professor, Department of Computer Science and Engineering, has been awarded by Ph.D. degree with the thesis titled “A Novel Intrusion Detection System for Wireless Sensor Networks” by Visvesvaraya Technological University (VTU) during Convocation conducted on 24th February 2023.



3. Prof. Chhaya S Dule, Assistant Professor, Department of Computer Science and Engineering published a paper entitled “ANALYTICAL AND INTEGRATED FRAMEWORK FOR PRIVACY PRESRVATION OF IMAGES IN CLOUD ECOSYSTEM” in Indian Journal of Computer Science and Engineering (IJCSE) indexed in Scopus, on 20th February, 2023.





Department of Computer Science & Engineering

(Data Science)

A Session by Placement Cell "Campus to Corporate for Pre-Final Year"

The DataScience@DSU club, Department of Computer Science Engineering (Data Science) has successfully organized a session by Placement Cell "Campus to Corporate". The targeted audience was 3rd year students of the Department of CSE (Data Science). The session was organized in offline mode. Around 40+ students were attended the session

Resource Person: Vijay Kumar
Deputy Director Training, Placement & Skill Development SOE. DSU



Tech Talk on "WEB 3.0 - Internet of the Future"

The DataScience@DSU Club, the Department of CSE (Data Science) organized a Tech Talk on "Web 3.0 - Internet of the Future" held on 10th February 2023 organized by Dr. Shaila S G, Professor and Chairperson, Dept. of CSE (Data Science), Prof. Monish L, Assistant Professor, Dept. of CSE (Data Science).

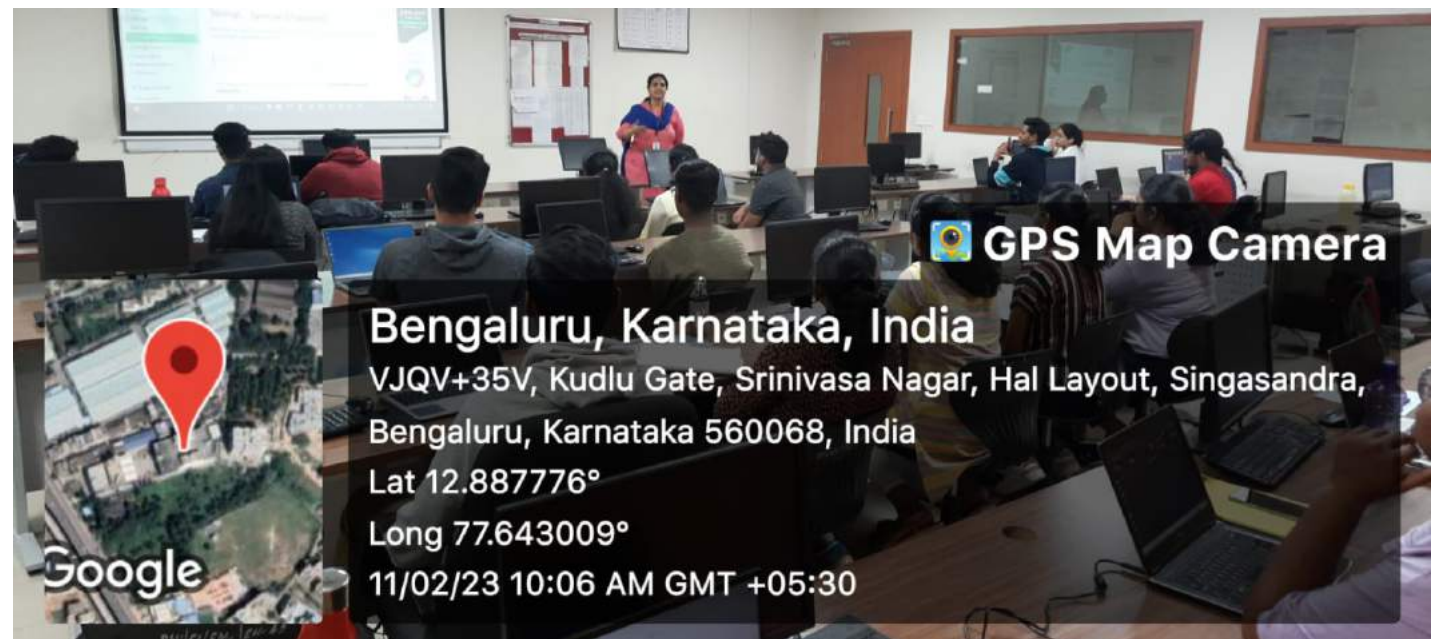
The Speaker Mr. Ashwin Prasad, Tech Lead @FLAQ gave a detailed overview of Web 3.0 technology and also explained the difference between Web 2.0 and Web 3.0

Resource Person: 1. Mr. Ashwin Prasad, Tech Lead @FLAQ
2. Mr. Muazz Khan, Operations Lead @FLAQ



Hands-On Workshop with Tips and Tricks for Competitive Coding “CODEATHON C - 2023”

Under the DataScience@DSU Club, the Department of CSE (Data Science) organized an offline “Codeathon-C” on 11th February, 2023 organized by Dr. Shaila S G, Professor and Chairperson, Dept. of CSE (Data Science), Prof. Monish L, Assistant Professor, Dept. of CSE (Data Science), and Prof. Sindhu A, Assistant Professor, Dept. of CSE (Data Science).



Workshop on Tableau and Power BI

Under the DataScience@DSU Club, Department of Computer Science & Engineering (Data Science) organized a workshop on "Revolutionary Data Analysis and Predictive Power for Business World Using Tableau and Power BI" on 22nd February, 2023. The organizers for the workshop were Dr. Shaila S G, Chairperson, Dept. of CSE (Data Science), Prof. Shivamma D, Prof. Monish L, and Dr. Kakoli Bora, Dept. of CSE (Data Science).

Resource Person: Gauthami B E

CTO and Co-founder - Cybersafe, Bangalore



Faculty Achievements

Dr. Shaila S G – Professor and Chairperson (DS)

1. Rapid Miner Academy awarded certification in "Data Engineering Professional Certification" On February 24, 2023.
2. Rapid Miner Academy awarded certification in " Data Engineering Master Certification" On February 24, 2023.

Prof. Shivamma D – Assistant Professor

1. Delivered technical talk on “Demystifying the Power of Data Science” organized by DSCASC on 11th Feb 2023
2. Rapid Miner Academy awarded certification in "Data Engineering Professional Certification" On February 17, 2023.
3. Rapid Miner Academy awarded certification in " Data Engineering Master Certification" On February 17, 2023.

Prof. Monish L – Assistant Professor

1. Rapid Miner Academy awarded certification in "Data Engineering Professional Certification" On February 01, 2023.
2. Rapid Miner Academy awarded certification in " Data Engineering Master Certification" On February 24, 2023.

Student achievements

1. Ayesha Malaika, Adithya Challa and Varun N (6th Semester I section Dept. of CSE (DS)) won the Second Place in the Eni Act 2.0 event Inter Collegiate fest annual Syntaxia organized by the Cybernetics Association on 23rd and 24th February, 2023 at St Joseph's University.



2. Pranav S S (6th Semester I section, Dept. of CSE (DS)) has successfully completed 4 weeks of project from 23 January to 21 February 2023 under the Graphene Fellowship Programme.

STAFF ACHIEVEMENT

1. Dr. Jayavrinda Vrindavanam along with students Gopika Jayadev, Harika Gandiboina got their paper, titled ""A Comparative Analysis of Machine Learning Algorithms for Agricultural Drought Forecasting"" accepted in Third International Conference on Issues and Challenges in Intelligent computing techniques
2. Dr. Monika Goyal Reviewed Papers in All India Council for Technical Education (AICTE) Sponsored and Scopus indexed INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTING, COMMUNICATION AND INFORMATION SECURITY November 25-26, 2022, Jaipur, India.
3. Dr. Monika Goyal Reviewed Papers in IEEE "International Conference on Disruptive Technologies for Multi-Disciplinary Research & Applications" - (CENTCON-2022) hosted by 'Dayananda Sagar University, Bangalore, 22-24 December 2022.

STUDENT ACHIEVEMENTS

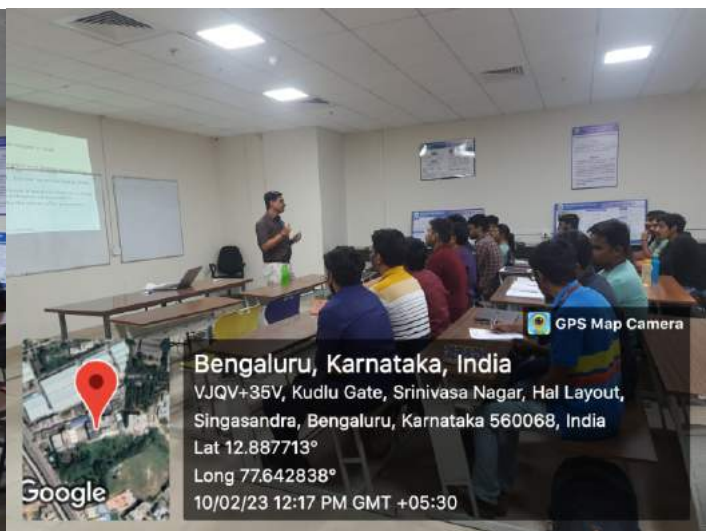
1. Raye Haarika got her paper, titled "Insect classification framework based on novel fusion of shallow and high-level features." Accepted in 3rd International conference of machine learning and data engineering.
2. Raye Haarika got her paper, titled "Diabetes Prediction using Machine Learning Algorithms" accepted in 3rd International conference of machine learning and data engineering.
3. Students of Semester 5 AIML secured First, Second and Third Prizes in College Level Debate Competition conducted by Green Warriors Club DSU on 25th November
4. Harshavardhan Gupta of Semester 5 AIML secured Third Prize in College Level Technical Quiz Competition conducted by Electroblitz Club DSU on 26th November
5. Rohan Jon Varghese of Semester 3 AIML secured Second Prize in Inter College Level Music Competition conducted by PES University.
6. Karthik Pai of Semester 5 AIML get selected for National Level Master Plan 2022 – ML for Agriculture conducted by Entrepreneurship and Venture Capital Wing of IIM Ahmedabad
7. Students of Semester 5 AIML secured Second and Third Prizes in College Level ML Competition (CODEFAI) conducted by AI Works @ DSU.



Department of
Computer Science
& Engineering
(Cyber Security)

Value Added Course – Full Stack Development

The Department of Computer Science and Engineering (Cyber Security), organized and successfully completed the Value-Added Course on Full Stack Development from 6th February 2023 to 10th February 2023. The targeted audience were 6th semester students of CSE (Cyber Security). The topics covered in the course include HTML, CSS, Java Script, Node JS and Web App Security. Most of the sessions were hands on. Students' participation was exceptional and they could learn about FSD concepts. The resource persons were our inhouse faculties: Dr. Kiran B. Malagi, Dr. Durbadal Chattaraj, Prof. Naveen Kulkarni and Prof Veena M. Prof. Vedashree coordinated the Value-Added Course.



Industrial Visit (Faculty) – Infosys Campus, Mysore

BITES (Board of IT Education Standards) 5th Annual Convention -2022 with theme was held at Infosys Campus, Mysore on 10th and 11th of February 2023 on topic industry 4.0 opportunities and challenges. Prof. Sharanbasappa Tadkal participated in convention.



Patent Grant

Patent has been granted by Republic of South Africa on an international classification number 2022/12546/G06K on the title of invention "A Novel Hardware prototype for crowd monitoring system and a method thereof". The grant was published on 25 Jan 2023. The following inventors from department of Computer Science and Engineering (Cyber Security) have contributed under the affiliation of School of Engineering, Dayananda Sagar University. Dr. Kiran B. Malagi, Prof. Naveen Kulkarni, Mr. Pratham V Kamath, Mr. Ganesh Gunjan, Mr. Yogesh Sirvi, Mr. Nachiketh U Ujjainimath.

Faculty Achievements

Prof. Manjula M. Successfully passed the examination for data engineering and Professional Certification.





Department of Computer Science & Technology

“QUANTUM COMPUTING, TOOLS AND ITS APPLICATIONS” organized by Department of Computer Science and Technology

Department of Computer science & Technology and Department of Computer science & Engineering together organizing ONE WEEK Faculty Development Programme on “Quantum computing, tools and its applications” at Dayananda Sagar University from 13-17, February 2023.

The goal of the FDP was to provide a comprehensive view of quantum computing, its applications, and research possibilities. Distinguished speakers from IISc, CDAC, etc. will give insightful discussions about quantum computing, quantum information, quantum engineering, artificial intelligence & machine learning, and QSim & QISKIT tools. The FDP's target group is faculty, postdocs, and Ph.D. scholars from various well-known institutions.

There were around 55 Participants for this FDP from various colleges along with our DSU faculties who actively participated and 12 Guest speakers were invited to deliver the sessions.



“QUANTUM COMPUTING, TOOLS AND ITS APPLICATIONS”

organized by Department of Computer Science and Technology

The Department of Computer Science & Technology in association with the training and placement office of DSU organized a 2 days bootcamp on Tableau. The bootcamp was provided by the company called Skill-Lync. The session was fully hands-on. Three employees of Skill-Lync were in the bootcamp to train the students for the entire 2 days from 27/2/2023 to 28/2/2023. The session timings were from 9.30 AM to 4.30 PM. The participants were the students of 6th and 4th semester CST. Over 63 students participated in this 2-day bootcamp. As the complete bootcamp was scheduled as a hands-on session, students were informed to bring the laptops with the installation of the tools required.

The session started with the address from the chairperson Dr M Shahina Parveen, who talked about the importance of knowing tableau in placement point of view.

Resource Persons Dr Sudharshana V Iyengar and team members Mr Lovepreet Sallan and Mr Suprakash Parihari.

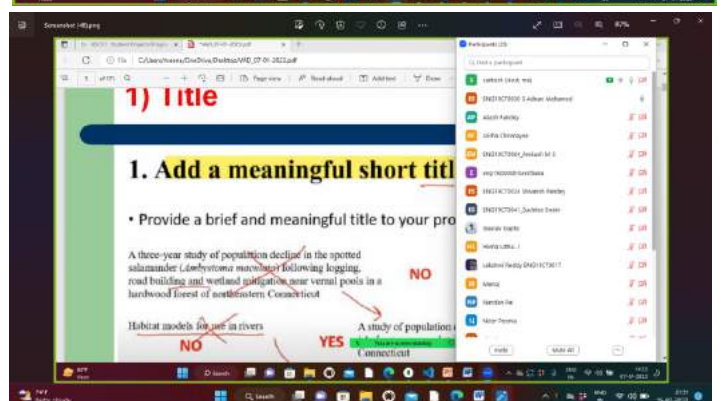
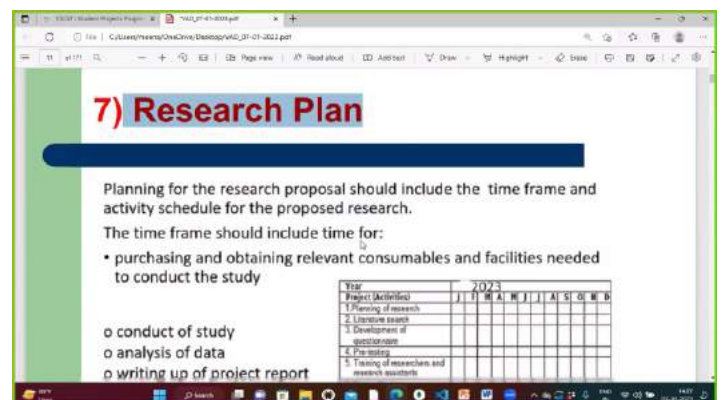
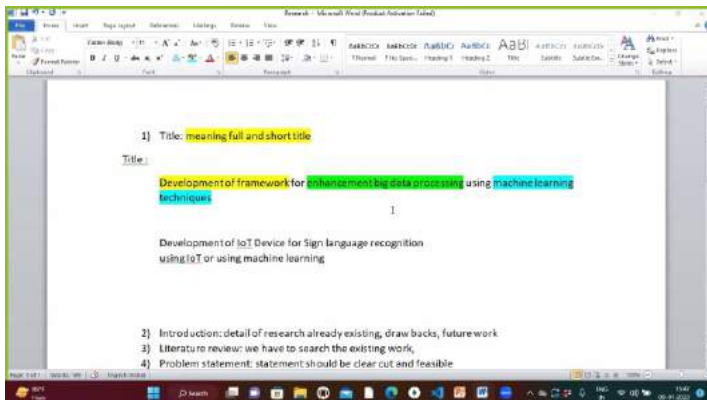


Value-added course: "Research proposal writing and funding"

Target audience 8th Semester students of Computer science and Technology

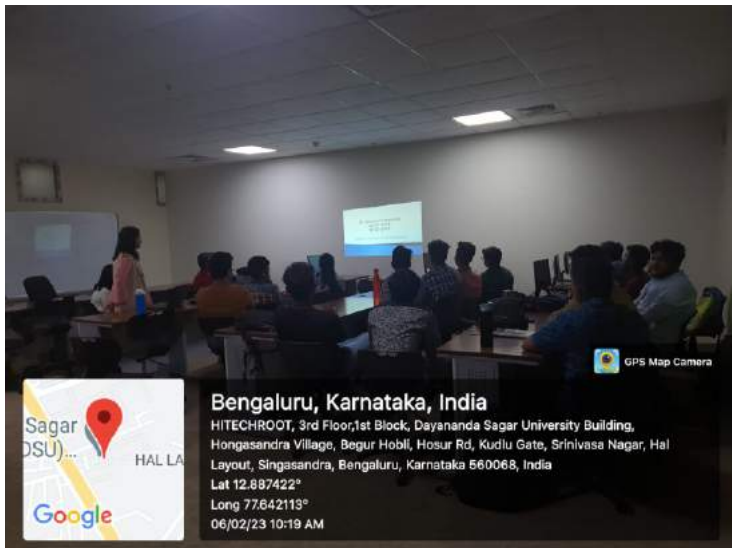
The Department of Computer Science & Technology has organized a 30 Hours Value-Added Course on "Research Proposal Writing and Funding" from 6th January to 10th Feb 2023 in Hybrid mode. Students successfully completed the value-added course and prepared proposals for DST, SERB, and KSCST, some of the proposals were submitted to KSCST 46th Series Student Project Programme (SPP): 2022 - 23 for funding.

Resource Person: Dr. Santosh Kumar, Associate Professor, CST.



CST Orientation Session

The Department of Computer Science & Technology conducted orientation sessions for 6th semester students on 6th February 2023. The session started with the address by the chairperson, Dr M Shahina Parveen, where she mentioned the department and involvement of the students in the departmental activities and also the importance of the curriculum. Next the importance of placements was explained to the students by Prof Baskar Venugopalan. He also explained regarding getting ready for the placements.





Department of Electronics & Communication Engineering

Industrial Visit to Cimtrix Systems (P) Ltd

The Industrial Visit to Cimtrix Systems (P) Ltd. proposed for 3rd year students (total 110 students) by Dr. Saara K, Prof. Navya R and Prof. Ms. Rashmita Sahoo, Dr. Godfrey, Dr. Vinu R, Dr. Arun Ananthanarayanan and Dr. Shirshendu Roy gave us the exposure to learn more about manufacturing, exporting, and supplying a quality assortment of industrial automation systems in the practical domain. We visited the Cimtrix Systems (P) Ltd situated in Peenya, Bangalore on the 27th and 28th February 2023. Mr. Omkar Upadhyay, the founder of company, very patiently explained about all their products and upcoming products in detail.



A visit to IISC to attend event “Semicon India Future Design” organized by MeitY

Union Minister of State for Skill Development and Entrepreneurship Rajeev Chandrasekhar launched the second Semicon India Future Design roadshow.

The road show held to encourage startups, next generation innovators and global and Indian Semiconductor majors to invest in the semiconductor design ecosystem of India. The minister had said that India will design and co-design NextGen devices and electronics products through the Semicon India future Design program.



IETE STUDENTS' FORUM

Department of Electronics and Communication Engineering of Dayananda Sagar University proudly inaugurated the IETE STUDENTS' FORUM on 09th February 2023 On-Campus. The Chief guest for the event was Prof. H S Bhatia (Former Chairman, IETE Bengaluru). The guest of honor for the event was Dr. C V Ravishankar (Vice chairman, IETE Bengaluru). The dignitaries included Dr. K N B Murthy (Vice Chancellor, DSU), Dr. Puttamadappa C (Professor and Registrar, DSU), Dr. UdayaKumar Reddy K R (Dean, SOE, DSU) and Dr. Theodore Chandra (Chairman, Dept. of ECE, DSU).



PCB DESIGN WORKSHOP

ELECTRO BLITZ Club Under the Department of Electronics and Communication Engineering of Dayananda Sagar University conducted the event PCB DESIGN WORKSHOP'' on 11th February 2023 from 10:30 PM to noon 05:00 PM conducted On-Campus. The hosts of the event were Mr. V. Mageshwaran (Vice President), Ms. Sahana DM (Treasurer) and Mr. Pavan HD (Secretary).

We had 14 teams registered of 2 to 4 members each. The participants were asked to assemble in the venue at 10.30 AM. The event was overseen by the club heads and the student council of the club.

Faculty Achievements

1. Ranjith B. Gowda, P. Sharan, K. Saara (2023), " Highly sensitive temperature sensor using one-dimensional Bragg Reflector for biomedical applications ", Journal of Biomedical Engineering, 30th January 2023, <https://doi.org/10.1515/bmt-2022-0482>.
2. Pushpa Mala Siddaraju - Suhiepha Sameer • Sneha Shree Manjunath • Sneha, "Digital Twin for Image-Based Particle Pollutant Matter Prognosis", Journal of The Institution of Engineers: Series B, Springer, 22nd February 2023.



Department of Aerospace Engineering

Stargazing organized in association with Jawaharlal Nehru planetarium, Bangalore

On 24 Feb 2023, the Department organized a “Sky watching session” in association with Jawaharlal Nehru planetarium Bangalore for students interested in Astronomy. The aim was to enhance knowledge on different type of telescopes used for stargazing. Dr. M Y Anand, Senior Scientific Officer, JN Planetarium gave a brief overview of the solar system and explained the recent trends in space technologies related to Astronomy. Highlight of the event was that the final year and pre-final year students of AE-Dept as well as EC-Department got opportunity to witness moon through the telescope. Engineering and Electronic Communication Engineering joined. The event was organized by Prof Ramakumar, Prof Sripad, Prof Prashantha Kumar and Prof Kartik Tandel.

Guest lecture by Mahindra Sunkra

On 20 Feb 2023, a Guest lecture on Material sciences and Engineering opportunities abroad was organized. Students of pre-final year actively participated and got exposed to the current trends in material science.

Guest lecture by Lenny Christina from Technical University of Munich

On 20 Feb 2023, the Department organized an interactive session on pursuing Masters’ degree at the Technical University, Munich, Germany. Students from final year and pre-final year participated and got exposure to different courses offered by the university and got insights into various aspects of studying in Germany.

Faculty Achievements

1. A paper titled “Detection and Analyses of Transonic SWBLI over Blunt Nose Bodies”, authored by D B Singh (NAL, IISc), Gireesh Y (NAL), G K Suryanarayana (DSU) and G Jagadeesh (IISc) was presented at the 9th SAROD-2022 Symposium held in DRDL, Hyderabad during 9-11 Feb 2023.
2. A paper titled “Control of transonic SWBLI over a blunt nosed body using counter-flow jet”, authored by D B Singh (NAL, IISc), Gireesh Y (NAL), G K Suryanarayana (DSU) and G Jagadeesh (IISc) was presented at the National Symposium on Shock Waves organized by the Society for Shock Wave Research (SSWR) held at Physical Research Laboratory, Ahmedabad, during 15-17 Feb 2023.



Department of Mathematics

Faculty Achievements

Patent Publications

1. Dr. RAVINDER SINGH KUNTAL, A Novel Hardware Prototype for Crowd Monitoring System and A Method Thereof Filed on 17-11-2022., Granted on 25-01-2023. Application No: 2022/12546.



Department of Physics

National seminar: "Smart materials for Science and Technology"

Department of Physics under DSU Science Forum celebrated a Two-Day National seminar entitled as "Smart materials for Science and Technology" cum students LIVE PROJECTS exhibition on the occasion of National Science Day 2023 between 27th and 28th Feb.2023. The Chief Guest & Resource Person is Dr. A N Viswanatha Rao, Associate Director, GTRE-DRDO & Prof. Rajanna, Indian Institute of Science, Bangalore.

Faculty, Research scholars and Students more than 150 members are attending the seminar on 27th Feb 2023 and able to learn about Smart materials for science and technology, Thin films and Nano structured materials for engineering and device applications.

A total 500 students belong to the 1st semester of BTech course registered and exhibited their startup prototype project live models for societal needs and industrial applications.

At the end of the seminar, Dean, Dr. Udaya Kumar Reddy distributed the prizes to the winners and encouraged them towards their career. In prior at the inaugural session, Pro-VC, Dean R&D, Senior professors of the DSU addressed the students on Science and Technology how Global science is required for Global wellbeing.

Prof. Deshmukh, Adj. Prof, DSU delivered a talk on the Life and works of CV Raman.

The seminars and Science Exhibitions can be seen in DSU PHYSICS YouTube channel.





Department of Computer Applications

MOU with Xecutables Pvt. Ltd.

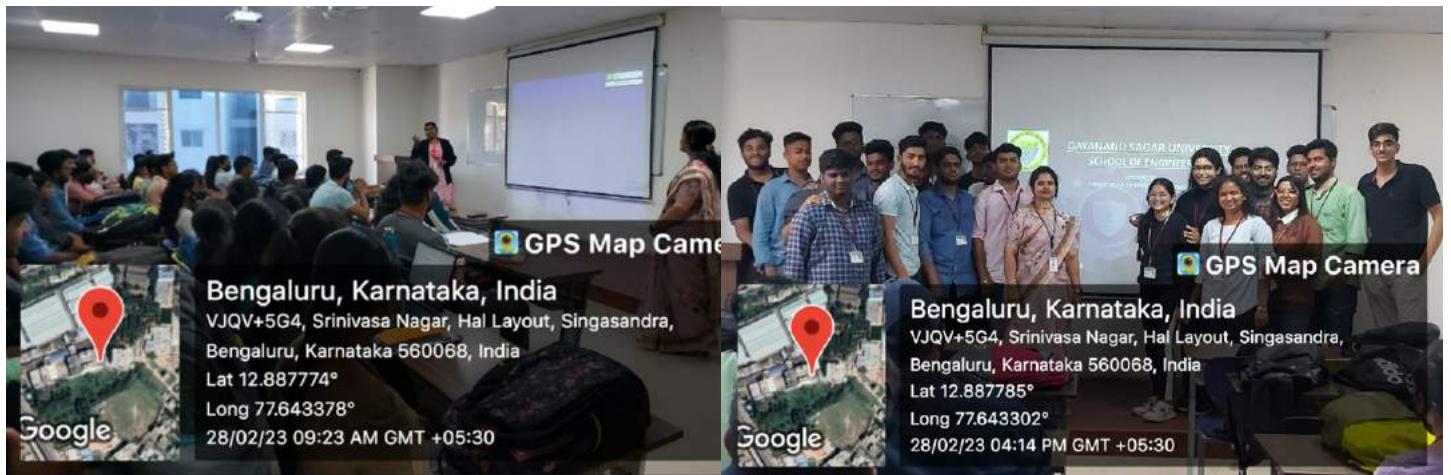
The department of Computer Applications has entered MOU with Xecutables Pvt. Ltd. on 17th Feb 2023. XE is a product-based company which develops products and solutions in digital / physical identity and access management. Their products cover various segments of enterprise identity management like visitor management, contractor management and incident management.



Workshop on "Advent on Cyber Security"

The Department of Computer Applications has successfully organized a 1-day Workshop on "Advent on Cyber Security with Hands On (Hack the box)".

Prof. Sumana SG organized the workshop wherein participants were BCA students. The course was organized offline. Around 60+ students were registered for the course. All students were trained on both theoretical and practical knowledge of Cyber Security



Webinar on “Leadership and AGILE Methodology”

The Department of Computer Applications has successfully conducted and attended a webinar on “Leadership and Agile methodology” on 24th and 25th of Feb '2023. The targeted audience were BCA and MCA students. The webinar was organized online for both the days.

Events Conducted / Attended:

1. Sumana S G Asst.Prof conducted a workshop on “Advent on Cyber Security” for BCA Students on 28th Feb '2023.

Faculty Achievements

1. Sumana S G Asst.Prof has successfully registered for Phd with SAHE university, Tumkur.

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