



# SCHOOL OF ENGINEERING

## SOE-BULLETIN

The Official Newsletter of **School of Engineering**



# 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

1. Design and deliver contemporary engineering curricula to address regional and global needs while emphasizing ethics, values, integrity and regional relevance.
2. Carry out 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.
3. Develop regional and national leaders to advance the society and economy.

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# SCHOOL OF ENGINEERING



**WORKSHOPS / SKILL DEVELOPMENT PROGRAMS**

## 3-day Workshop on “Game Development”

The Department of Computer Science & Technology has organized a 3-days hands on workshop on “Game Development” from 15th April 2024 to 17th April 2024 in F-140. The resource person for this session was Mr. Prathviraj, Program Lead at Seamedu - School of Pro-Expressionism. The session started by welcoming & introducing the resource person and Dr. M. Shanina Parveen, Chairperson, Department of CST addressed the gathering about the importance of the workshop and handed over the session to the resource person. .

**3 day Hands-On Workshop on "Game Development"**

Organized by  
Department of Computer Science & Technology

**LIFE FOR GAME**

**Speaker:**  
PRATHVIRAJ  
Program Lead  
Seamedu - School of Pro-Expressionism

**Date:** 15TH APR - 17TH APR  
**Time:** 09:00 AM-03:00PM  
**Venue:** F-140- B Block

**Outcomes of Workshop:**

- Students will gain a solid understanding of game engine fundamentals and Unity's interface, enabling them to navigate various windows and utilize tools effectively.
- Students will be proficient in level design, terrain creation, and lighting techniques, facilitating the creation of immersive game environments.
- Through C# scripting, students will be capable of implementing diverse gameplay mechanics, including player movement and interactive elements.
- Students will develop user interface design skills, creating intuitive interfaces to enhance player interaction and experience.
- Students will emerge from the workshop equipped with the knowledge and skills necessary to create, publish, and iterate upon their own games using Unity 3D.

**Patrons**

Dr. D. Hemachandra Sagar  
Chancellor, DSU

Dr. D. Premachandra Sagar  
Pro-Chancellor, DSU

Shri. Ganeswamy  
Secretary, DSU

Dr. Amit P. Bhatti  
Vice-Chancellor, DSU

Dr. Ruttamadappa C  
Registrar, DSU

Dr. Uday Kumar Reddy  
Dean - CSE

**Organiser**  
Prof. Barkat V  
Prof. of Practice, DSU  
Dr. D. Sudha  
Assoc. Professor, CST

**Chairperson**  
Dr. M. Shanina Parveen  
Professor, CST





Bengaluru, Karnataka, India  
TrackNerd GPS Pvt Ltd AIC-DSU Innovation Foundation, Hosur Rd, near Kudlu Gate, Kudlu Gate, Srinivasa Nagar, Hal Layout, Singasandra, Bengaluru, Karnataka 560068, India  
Lat: 12.887819°  
Long: 77.643024°  
15/04/24 09:21 AM GMT +05:30



Bengaluru, Karnataka, India  
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Bengaluru, Karnataka, India  
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Bengaluru, Karnataka, India  
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Bengaluru, Karnataka, India  
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Bengaluru, Karnataka, India  
TrackNerd GPS Pvt Ltd AIC-DSU Innovation Foundation, Hosur Rd, near Kudlu Gate, Kudlu Gate, Srinivasa Nagar, Hal Layout, Singasandra, Bengaluru, Karnataka 560068, India  
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Bengaluru, KA, India  
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Lat: 12.887819, Long: 77.643406  
17/04/24 11:29 AM GMT +05:30

## **Workshop On “Empowering Excellence with the National Board of Accreditation”**

The School of Engineering hosted a comprehensive NBA workshop on the 12th and 17th of April. The esteemed guest speaker is Dr. Shyamal Kumar Das from IIT-Kharagpur. The workshop delved into pivotal areas such as Writing Course Outcomes, CO-PO mapping, Attainment Calculations, and Understanding Bloom’s Taxonomy, equipping faculty members with the tools for effective implementation of Outcome-Based Education (OBE).

The purpose of the accreditation by the NBA is to promote and recognize excellence in technical education in colleges and universities - at both the undergraduate and postgraduate levels. Accreditation encourages institutions to continuously improve and enhance the quality of the education provided by them. Being internationally recognized, accreditation facilitates transnational recognition of degrees and mobility of graduates and professionals.

Concurrently, the preparation of question papers for CIE and SEE, meticulously mapped to COs, reflects DSU's commitment to meeting accreditation standards. This unified effort underscores DSU's unwavering dedication to delivering excellence in education, aligning with contemporary pedagogical standards, and fostering continuous improvement.

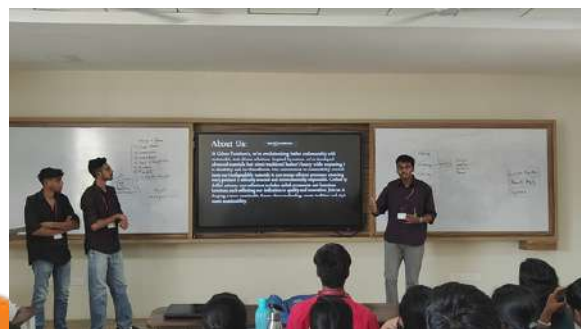
## “Soft Skill Training”

The Department of Computer Science & Technology and Placement department (through CIL) has organized soft skill training for 4th-semester students. The training started at 9:00 am with an address by Vijay Kumar S, Deputy Director - Training, Placement & Skill Development. He interacted with students and later he explained how to prepare for placement and why it is important. He explained what the necessary skills students should have, and what tools they should learn. Later he introduced the resource person Mr. GAGAN PRASAD, Sr Instructor Analyst. He has had goal-oriented and vision-driven training experience for over 9 years. He has extensive knowledge of training on diverse upskilling content across every batch variant, along with hands-on experience with different processes, from conducting process knowledge tests to DTPs.

Mr. Gagan Prasad covered the topics of Teamwork and interpersonal skills. The students were divided into different teams on a random basis. The teams had to come up with an idea to start a company, they also had to give a member's name for every department in the company that they were going to handle. This helped the students to learn what work they were good at. Then the teams were asked to merge two companies, which helped students learn communication skills. The team then had to do tasks like poster making, performing an ad, SWOT analysis of the companies, and making a presentation on their company. This resulted in the students realizing their and their friend's strengths and weaknesses resulting in the better performance of the teams. Every student had to come to the Dias and tell what their contribution to the team was. This helped students in developing their interpersonal skills.







## Soft Skills Training for Cyber Security Department

Department of Training and Placement conducted soft skills training on “Working in teams and Interpersonal Skills” for fourth semester CSE (Cyber security) students through CIL, DSI on 18th April 2024.





# SCHOOL OF ENGINEERING



**WEBINARS / SEMINARS / TECHNICAL TALKS**

## Seminar on "Unlocking Opportunities: The Turing Scholarship"

Dr. Saara K, Professor, Department of ECE, orchestrated a seminar on "Unlocking Opportunities: The Turing Scholarship" featuring Mr. Jonathan Disley from Staffordshire University. The seminar enlightened attendees about the benefits and eligibility criteria of the scholarship, emphasizing exchange and master's programs at Staffordshire, UK. It served as a vital resource for those considering further studies abroad, offering insights into prestigious scholarships and international exchange programs. Attendees left with valuable knowledge to shape their academic and professional futures.

<p><b>Chief Patrons</b> Dr. D. Ramachandra Sagar, Chancellor</p> <p><b>Dr. Pramachandra Sagar,</b> Pro-Chancellor</p> <p><b>Patrons</b> Shri. Gollawsey, Secretary, DSI</p> <p><b>Dr. Amit Bhatti,</b> Vice - Chancellor</p> <p><b>Prof. R. Janardhan,</b> Pro - Vice Chancellor</p> <p><b>Dr. Puttemadappa,</b> Registrar</p> <p><b>Ms. Sagarika Mathew,</b> Vice President - International Affairs</p> <p><b>Convener</b> Dr. Udaya Kumar Reddy K.R. Dean, SOE</p> <p><b>Dr. Arun Balaji,</b> Chairman, ECE</p> <p><b>Organizer</b> Dr. Saara K, Professor, ECE</p>	 <p><b>DAYANANDA SAGAR UNIVERSITY</b> SCHOOL OF ENGINEERING ELECTRONICS &amp; COMMUNICATION ENGINEERING KUDLU GATE, HOSUR MAIN ROAD, BENGALURU - 560114</p>  <p><b>SEMINAR ON</b> <b>UNLOCKING OPPORTUNITIES:</b> <b>THE TURING SCHOLARSHIP</b> <b>FOR EXCHANGES AND</b> <b>MASTER'S PROGRAMS AT</b> <b>STAFFORDSHIRE, UK</b></p> <p><b>02nd April 2024</b> <b>Time: 10:15 AM - 11:15 AM</b> <b>S-203, B Block</b></p>	<p><b>Agenda:</b></p> <ol style="list-style-type: none"> <li>1. Introduction to the Turing Scholarship for Exchanges and Master's Programs at Staffordshire, UK.</li> <li>2. Eligibility criteria for prospective applicants.</li> <li>3. Benefits of the scholarship: funding for tuition, living expenses, and travel costs.</li> <li>4. Exchange opportunities for students.</li> <li>5. Overview of master's programs available at Staffordshire University.</li> <li>6. Research opportunities for scholarship recipients.</li> <li>7. Application process, deadlines, required documents, and application tips.</li> <li>8. Testimonials and success stories from past recipients.</li> <li>9. Support services available to scholarship recipients.</li> </ol> <p><b>Resource Person:</b></p>  <p><b>Mr. Jonathan Disley,</b> Global Opportunities manager, Staffordshire University, UK</p>
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# Seminar “JCU Scholarships and Higher Education Opportunities”

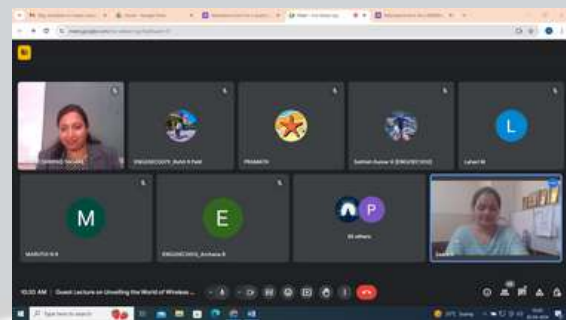
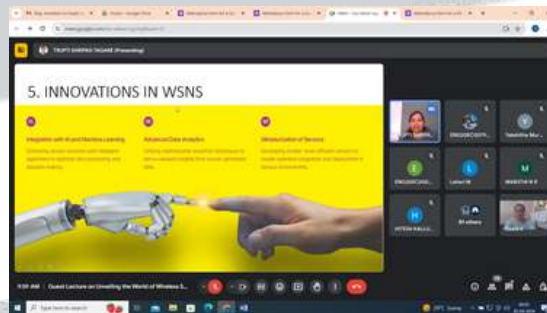
Dr. Saara K organized a seminar on April 19th, 2024, for 8th-semester students focusing on JCU Scholarships and Higher Education opportunities. Ms. Shruthi Srinivasan, Manager of Strategic Partnerships at James Cook University, Australia, served as the resource person. The seminar provided crucial insights into JCU scholarships and diverse higher education programs. Students left the seminar equipped with valuable knowledge for their academic pursuits abroad. Ms. Srinivasan's guidance enriched their understanding of opportunities at JCU. The event was a success, igniting student's enthusiasm for global academic engagement.

<p><b>Chief Patrons</b> Dr. D. Hemachandra Sagar, Chancellor</p> <p><b>Dr. Premachandra Sagar,</b> Pro-Chancellor</p> <p><b>Patrons</b> Shri. Galiewamy, Secretary, DSI</p> <p><b>Dr. Amit Bhatti,</b> Vice - Chancellor</p> <p><b>Prof. R. Janardhan,</b> Pro - Vice Chancellor</p> <p><b>Dr. Puttamodappa,</b> Registrar</p> <p><b>Ms. Supriya Mathew,</b> Vice President - International Affairs</p> <p><b>Conveners</b> Dr. Udaya Kumar Reddy K R, Dean, SOE</p> <p><b>Dr. Arun Balodi,</b> Chairman, ECE</p> <p><b>Organizer</b> Dr. Saara K, Professor, ECE</p>	 <p><b>DAYANANDA SAGAR UNIVERSITY</b> SCHOOL OF ENGINEERING ELECTRONICS &amp; COMMUNICATION ENGINEERING KUDLU GATE, HOOSUR MAIN ROAD, BENGALURU - 560114</p>  <p><b>SEMINAR ON</b> <b>JCU SCHOLARSHIPS &amp; HIGHER EDUCATION</b> <b>19th April 2024</b> <b>Time: 11:00 AM - 12:00 PM</b> <b>S-201, B Block</b></p>	<p><b>Agenda:</b></p> <ol style="list-style-type: none"> <li><b>JCU Overview:</b> Introduction to James Cook University and its programs.</li> <li><b>Scholarship Types:</b> Overview of merit, need, research-based scholarships.</li> <li><b>Eligibility &amp; Applications:</b> Requirements and process for applying.</li> <li><b>Financial Aid:</b> Other resources available for financial support.</li> <li><b>Success Stories:</b> Testimonials from past recipients.</li> <li><b>Support Services:</b> Academic and career support available.</li> <li><b>Research &amp; Career:</b> Opportunities for research and post-graduation career prospects.</li> <li><b>Next Steps:</b> Guidance on further exploration and engagement with JCU.</li> </ol> <p><b>Resource Person:</b></p>  <p><b>Ms. Shruthi Srinivasan,</b> manager strategic partnerships, James Cook University, Australia</p>
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## Guest Lecture: "Unveiling the World of Wireless Sensor Networks"

Dr. Saara K orchestrated a guest lecture titled "Unveiling the World of Wireless Sensor Networks" on April 30th, 2024, featuring DSU Alumna, Dr. Trupti Tagare, an Assistant Professor at Dayananda Sagar College of Engineering, Bangalore. The event, held from 09:30 AM to 10:30 AM, delved into connectivity and innovation in wireless sensor networks. Dr. Tagare's expertise provided valuable insights into this burgeoning field. Attendees gained a deeper understanding of wireless sensor network's intricacies and applications. The lecture sparked enthusiasm among students and faculty alike, fostering a culture of learning and innovation.



**30th April 2024, 09:30 AM-10:30 AM**

**Resource Person: DSU Alumna**

**Guest Lecture on**

**Unveiling the World of Wireless Sensor Networks: A Journey through Connectivity and Innovation**

**DR. TRUPTI TAGARE**  
Assistant Professor  
Dayananda Sagar College of Engineering, Bangalore

**Chief Patrons**  
Dr. D. Hemachandra Sagar, Chancellor  
Dr. Premachandra Sagar, Pro-Chancellor

**Patrons**  
Shri. Galiswamy, Secretary, DSI  
Dr. Amit Bhatt, Vice-Chancellor  
Prof. R. Janardhan, Pro-Vice Chancellor  
Dr. Pullamadappa, Registrar

**Conveners**  
Dr. Udaya Kumar Reddy K R, Dean, SOE  
Dr. Arun Balodi, Chairman, ECE

**Organizer**  
Dr. Saara K, Professor, ECE

[Google Meet Link](#)

## Seminar on Unlock Your Coding Potential: DSU-ACM Student Chapter Hosts 'UNLEASH YOUR CODE WITH GSOC'

DSU-ACM Student Chapter hosted an exciting event titled "UNLEASH YOUR CODE WITH GSOC Seminar" on April 18, 2024. This seminar, targeted towards 2nd and 4th-semester students with a passion for coding, aims to shed light on the Google Summer of Code (GSOC) program and provide valuable insights into its rules and preparation requirements.

A standout feature of this seminar was the presence of a resource person who brings firsthand experience with GSOC to the table. A 6th-semester student, who was selected for Google Summer of Code in 2023, has shared invaluable tips, tricks, and personal anecdotes about the application process and the journey through GSOC.

The objective of the seminar was firstly, to familiarize 2nd and 4th semester students with the intricacies of GSOC, including eligibility criteria, project selection, and the application process, and secondly, to provide a hands-on session on working with GitHub, a vital skill for aspiring participants to master.

**Dayananda Sagar University,**  
Devarakaggalahalli, Harohalli Kanakapura Road

SCHOOL OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
PRESENTS,  
SEMINAR ON GSOC

### UNLEASH YOUR CODE WITH GSOC!

**CODERS ASSEMBLE: FROM ROOKIES TO VETERANS!**  
Are you ready to crush coding challenges? Join DSU-ACM's GSOC seminar & level up your skills for Google Summer of Code!

**WHAT IS GSOC?**  
GSOC (Google Summer of Code) is your chance to spend your summer coding on cutting-edge projects with a vibrant open-source community.

**WHY YOU SHOULD JOIN?**

- **Make a Difference:** Code for real-world open-source projects.
- **Level Up:** Get mentored by industry experts.
- **Global Network:** Connect with developer rockstars.
- **Stand Out:** Boost your resume with GSOC!

**FOR INTERESTED STUDENTS ONLY!**

**AGENDA**

1. Introduction to Google Summer of Code (GSOC) 2023.
2. Step-by-Step Guide to GSOC Success.
3. "Hands-on Workshop on Open Source Contribution.
4. Practical Session on Raising Pull Requests.
5. Q&A and Discussion.
6. "Wrap-up and Next Steps.

**MEET THE MENTORS!**

Patel Muhammad  
6th Sem, DSU  
<https://www.linkedin.com/in/patel-muhammad/>

Ganesh Shinde  
6th Sem, DSU  
<https://www.linkedin.com/in/dev-ganesh-shinde/>

**SCAN HERE AND REGISTER SOON!**

DATE: 18-04-24  
TIME: 2PM-4,30PM  
VENUE: LT-02 (A011)

**NOTE:** Please remember to bring your own laptops for the seminar.

Faculty coordinator: Dr Meenakshi Malhotra  
Student Coordinator: Somanath Meda  
+91 78995 42551


[dsu.acm.org](https://dsu.acm.org) @dsu.acm





# National Seminar on the Dr. Chandramma Dayananda Sagar Distinguished Lecture Series on Nobel Prizes – 2023 in Engineering Sciences

The Dayananda Sagar University (DSU) hosted a Sponsored National Seminar on the Dr. Chandramma Dayananda Sagar Distinguished Lecture Series on Nobel Prizes – 2023 in Engineering Sciences. This one-day seminar, held on April 22, 2024, featured distinguished speakers who delivered technical addresses at the DSU Main Campus (Block-A, Lecture hall 2). The seminar focused on Nobel Lectures on Physics and Chemistry. Distinguished speakers from premier institutions engaged with DSU faculty, students, and also participated in laboratory visits.



**DAYANANDA SAGAR UNIVERSITY**  
School of Engineering Organises  
**Dr. Chandramma Dayananda Sagar Distinguished Lecture Series**  
On  
**Nobel Prizes – 2023**  
in Engineering Sciences  
22 April, 2024, Block-A, Lecture Hall-2  
THE NOBEL PRIZE IN PHYSICS 2023 THE NOBEL PRIZE IN CHEMISTRY 2023

**Chief Guest**  
**Dr. Nagahamaiah**  
Director, Central Manufacturing Technology Institute, Govt of India, Bengaluru

**Speakers**  
**Prof. B. L. V. Prasad**  
Director, Centre for Nano and Soft Matter Sciences (CNSM) Bengaluru  
**Prof. P. C. Deshmukh**  
Governor and Member, CAMOES, IIT Tirupathi & Ex-Chair Professor, IIT Gandhinagar Bengaluru

**Live Project Exhibition**  
22-04-2024  
1.00 - 4.00 PM

Free Registration  
Organized by Department of Physics, SCHOOL OF ENGINEERING



**Dayananda Sagar University**  
22nd April, 2024  
Organized by Dept. Of Physics, School of Engineering, DSU

**About the DSU & Dept of Physics**  
Dayananda Sagar Institutions founded in the 19th by the Hon'ble, Late Dr. Dayananda Sagar, Barister in Law committed to take knowledge to the people, transform today's students into responsible citizens and professional leaders of tomorrow. Dayananda Sagar University created by an Act of the Government of Karnataka in 2014, built on this noble legacy and inspired by its own mission, meeting the needs of quality higher education in this part of the world. The Department of Physics was established in 2013 and offers a well-designed course curriculum to equip engineering students to address challenging problems in both academia and industry. The Department offers a Ph.D. programme in the areas of Material Science, Thin-film, Polymer Electronics, Solar Cells, Nanoscience and technology, among biological and supercapacitor.

**About Dr. Chandramma Dayananda Sagar Distinguished Lecture Series**  
The DSU Science Forum organizes the Dr. Chandramma Dayananda Sagar Distinguished Lecture Series, which will be a regular event covering popular topics in Engineering and natural sciences. As part of this series, distinguished speakers will deliver technical addresses at the DSU Main Campus on subjects such as Nobel Lecture and Popular Science. The forum will be an interaction between the distinguished speakers from premier institutions and DSU faculty students, as well as laboratory visits.

**Objectives**  
To provide interactive sessions that discuss the current developments and novel approaches in the expansion of natural and engineering sciences to meet the global needs.  
To provide a platform for dissemination of knowledge and interaction amongst the practitioners of Micro and Smart Systems Technology.  
To bring together the community from all geographical areas to share research, support learning and to provide networking opportunities.

**Patron Members**  
**Chief Patron:**  
• Dr. D. Hanumanthappa Sagar, Chairman, Dayananda Sagar University  
• Dr. D. Prasad Chandra Sagar, Vice-Chancellor, Dayananda Sagar University  
• Shri. Gokarnappa, Secretary, Dayananda Sagar Institutions  
• Shri. Subbarao Prasad Sagar, Joint Secretary, Dayananda Sagar Institutions  
• Shri. Venkatesh H Sagar, Joint Secretary, Dayananda Sagar Institutions  
• Shri. Nishwan H Sagar, Joint Secretary, Dayananda Sagar Institutions  
• Shri. Narayana H Sagar, Joint Secretary, Dayananda Sagar Institutions

**Patrons:**  
• Prof. Anil K. Bhat, Vice-Chancellor, Dayananda Sagar University  
• Prof. M. P. Krishna, Executive Director, Dayananda Sagar University  
• Shri. K. Mahesh, Joint Secy, Dayananda Sagar University  
• Prof. E. Jagananna, Prof-VC, Dayananda Sagar University  
• Dr. Puttaswamy C. Rajendra, Dayananda Sagar University  
• Dr. Vijaya Kumar Reddy N.R., Dean, SOE, Dayananda Sagar University  
• Dr. Kamalappa Ganeshacharya, Dean & SOE, Dayananda Sagar University

**Organizing Committee**  
Organizing Chair: **Dr. K. Vijaya Kumar**  
Head of Department of Physics Email: [Department@dsu.edu.in](mailto:Department@dsu.edu.in) | +91 9880292687  
Co-Chair: **Dr. Anand Narayan, Chairman Dept. Of Chemistry, DSU** | **Dr. P. Mahalingam, Chairman Dept. Of Mathematics, DSU**

**Local Organizing Committee:**  
• Dr. Mohan Rao, Dept of Physics, DSU  
• Dr. Nagahamaiah, Dept of Physics, DSU  
• Dr. Lakshya Inamdar, Dept of Physics, DSU  
• Dr. Mahalingam, Dept of Physics, DSU  
• Dr. Venkatesh H Sagar, Dept of Physics, DSU  
• Dr. Anand Narayan, Dept of Physics, DSU

**Registration**  
Register to the online event using the following link: <https://www.dsu.edu.in/online-registration>  
What's New group: <https://www.dsu.edu.in/online-registration>  
Whatsapp: <https://www.dsu.edu.in/online-registration>  
Kindly confirm your registration by email: [sasr@dsu.edu.in](mailto:sasr@dsu.edu.in) | 9880292687

**Contact Us**  
Chairman: **Dr. Venkatesh Prasad, Chairman Prof. Dept of Physics, DSU, DSU**  
Co-Chairman: **Dr. Rajesh Chandra, Associate Prof. Dept of Physics, DSU, DSU**  
Co-Chairman: **Dr. Anand Narayan, Head, Dept of Physics, DSU, DSU**  
Coordinator: **Dr. Anand Narayan, Head, Dept of Physics, DSU, DSU**

**Organized by:** Department of Physics, School of Engineering, Dayananda Sagar University, Dayananda Sagar, Mysuru - 577 152  
**Period Exhibition:** 22 April 2024, 1:00-4:00 PM





## Invited talk on “Advances in Refrigeration and Air Conditioning Technology by Industry Expert”

The Department of Mechanical Engineering and Aerospace Engineering has organized a guest lecture as a part of the ISHRAE Student Collegiate Club Activity-SOE-DSU, on “Advances in Refrigeration and Air Conditioning Technology” for students of the 4th Semester Mechanical and Aerospace Engineering and faculty members of DSU on 24/04/2024. The seminar started with a welcome note to the dignitaries by Dr. Vinayak B Hemadri, followed by the technical session by Dr. Srikanth Narayanasamy, Technical Member of ASHRAE, ISHRAE in Evaporative cooling and Ventilation.

The Invited talk on Advances in Refrigeration and Air Conditioning Technology revolved around the latest advancements, research findings, and practical insights in the field of Refrigeration and Air conditioning systems. By presenting practical applications, the talk aimed at enhancing the knowledge and skills of attendees, empowering them to contribute to the continued advancement of Refrigeration and Air conditioning technology.



## A Comprehensive Guide for studies in US

The Department of Computer Applications in collaboration with the Department of International affairs organized a session on how to prepare for education USA overview for 2nd semester BCA students on 22-04-2024. The session offered guidance on Understanding the application process for universities in the USA, Exploring scholarship and financial aid opportunities, guidance on standardized tests such as GRE. Overall, the session served as a comprehensive introduction to the opportunities and challenges associated with pursuing higher education in the USA.



## Session on Placement Training

The Department of Computer Applications has organized a session on Placement Training for BCA and MCA students on 19-04-2024. The session offered guidance on Communication Skills for II sem BCA Students. A session on working in Team and Interpersonal Skills was given to IV sem BCA Students. Pre-placement Training (Mock Interview) was conducted to both VI sem BCA and IV sem MCA Students. The session provided a thorough preparation of the Communication, interpersonal and pre-placement skills for the respective students.





# SCHOOL OF ENGINEERING



**EVENTS: PROFESSIONAL SOCIETIES / CLUB ACTIVITIES**

## Inaugural Ceremony of "Inkspire" - The Wall Journal of Dayananda Sagar University

The inaugural ceremony of "Inkspire," the much-anticipated wall journal of Dayananda Sagar University was a momentous occasion filled with inspiration and literary fervor held on April 22nd, 2024. The event commenced with a serene Saraswati Vandana performed by Soundarya, a 2nd-year student, setting a tone of reverence and creativity. Following the Vandana, Sanjana and Rajika, the event's hosts, extended a warm welcome to all attendees and provided an insightful introduction to the significance of "Inkspire" in fostering creativity and expression within the university community.

Dr. Amit Bhatt, the Vice-Chancellor, and Dr. Udaya Kumar Reddy, the esteemed Dean, graced the occasion with their presence and delivered stirring speeches, urging students to embrace their creative potential and contribute meaningfully to the university's intellectual landscape.



## “Spotlight Success: Echoes of Lumiere's Theatre Workshop”

On April 19, 2024, "Echoes of Lumiere," the Official Film Making Club of SOE, Dayananda Sagar University, hosted a transformative theatre workshop led by renowned Indian actor Sumukha Kumar. Born in Bangalore, Sumukha's illustrious career spans Kannada, Marathi, and Hindi cinema, along with significant contributions to theater. The workshop, attended by an esteemed audience of 100, including dignitaries like the Dean and members of the Center of Performing Arts - Dayananda Sagar Institutions, was a resounding success. Sumukha's insights into stagecraft and acting captivated participants, fostering a deeper appreciation for the theatrical arts. The guest speaker, Mr. Sumukha Kumar (a theatre artist, actor, and director), shared with the students the power of determination and constancy. He talked about his journey of self-discovery and how he decided to become an actor. Additionally, he had students perform, which was fun and rewarding. It was such a pleasure to witness Sripriya BS, a 2nd-year student, performing the most iconic scene—the Kalinga Nartanam, where Lord Krishna confronts the venomous serpent Kalinga fearlessly. Through her graceful performance, she depicted the divine power of Krishna as he danced on the serpent's hood. The audience, including dignitaries, lauded the workshop and Sripriya's performance, affirming its value and impact within the university community. Additionally, attendees enjoyed a miniature screening of Sumukha Kumar's acclaimed film "Physics Teacher," adding an extra layer of cinematic delight to the event. The evening exemplified "Echoes of Lumiere's" commitment to providing enriching experiences in filmmaking and the performing arts, fostering creativity and collaboration among students.





## “Business Model Competition”

The Department of Computer Science & Technology had a “Business Model Competition” on 29th April 2024 was a remarkable platform for aspiring entrepreneurs to showcase their innovative business ideas and models. The event aimed to foster creativity, entrepreneurship, and strategic thinking among participants while providing them with valuable feedback and networking opportunities. The event started by welcoming & introducing the chief guest Mr. Vinod Shankar, CEO, AIC-DSU. Dr. M. Shanina Parveen, Chairperson, Department of CST addressed the gathering about the importance of the event and enlightened the young minds to take part in events, and motivated them to build their own start-ups. Followed by Mr. Vinod Shankar has shared insights about AIC-DSU and Derbi. Also discussed about various business opportunities and how to build their models and become a successful entrepreneur. A total of 13 teams participated in the competition. Participants presented a wide array of innovative business models across various sectors, including technology, healthcare, sustainability, and social impact. From disruptive digital platforms to sustainable solutions addressing global challenges, the creativity and ingenuity on display were commendable. The judging panel with extensive experience in evaluating business models has shared their feedback after examining all team models. Their constructive feedback and insightful questions provided invaluable guidance to participants, helping them to refine their concepts and strategies. After rigorous evaluation and deliberation, the judges selected the following winners based on the strength of their business models, presentation skills, and potential impact.



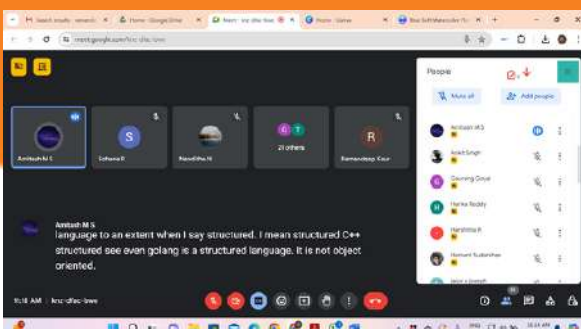
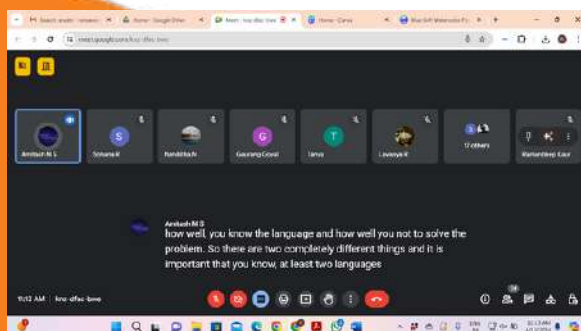
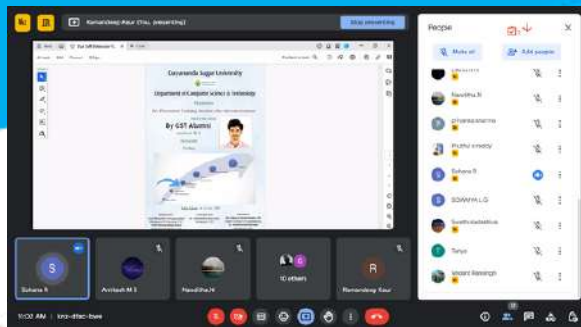
The poster for the Business Plan Competition features the following information:

- Department of Computer Science & Technology** in association with **Kalpna Club** Organizing **Business Plan Competition**
- Chief Guest:** Mr. Vinod Shankar, CEO, AIC-DSU. (Accompanied by a photo of Mr. Vinod Shankar)
- Date:** 29TH APR
- Time:** 09:00 AM-01:00PM
- Venue:** Gallery Hall-1, 4-Block
- Outcomes of Event:**
  - Enhanced clarity and refinement of their business model and plan, enabling them to progress to the next stage of development with confidence.
  - Better preparedness and readiness for taking part in MANTHAN, equipped with knowledge and suggestions to improve their strategy and presentation.
- Cash prize for Winners:**
  - First Prize - Rs.2000
  - Second Prize - Rs.1500
  - Third Prize - Rs.1000
  - Consolation Prize - Rs.500
- Patrons:**
  - Dr. D. Hemachandra Sagar, Chancellor, DSU
  - Dr. D. Premachandra Sagar, Pro-Chancellor, DSU
  - Shri. Gallewamy, Secretary, DSU
  - Dr. Amit B Bhatt, Vice-Chancellor, DSU
  - Dr. Puttamadappa C, Registrar, DSU
  - Dr. Uday Kumar Reddy, Dean- SDE
- Organizer:** Prof. Baskar V, Prof. of Practice, CST; Dr. D. Sudha, Assoc. Professor, CST
- Chairperson:** Dr. M. Shanina parveen, Professor, CST

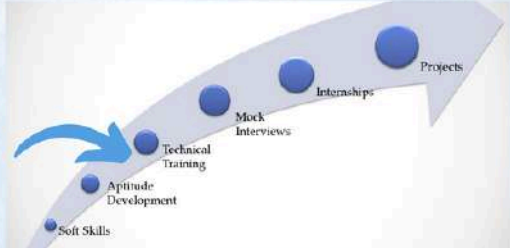


## “Pre-Placement Training for 6th semester students”

The Department of Computer Science & Technology has organized a Pre-Placement series for 6th-semester students. The training was organized by Prof. Baskar Venugopalan, Associate Professor, CST, and Prof. Ramandeep Kaur, Assistant Professor, CST. This training is started as a series where the alumni of the CST department share their experience with current students and provide them with necessary knowledge about the training. The second session of this training was delivered by Mr. Amitash M S, Associate, Nokia. The training started at 11:00 am with a welcome note to Mr. Amitash M S by Prof. Ramandeep Kaur and student Sohana introduction and handed over the session to the speaker. Mr. Amitash M S started his session with a small interaction with students and later he explained how to prepare for placement and why it is important. He explained what the necessary skills students should have, and what tools they should learn and he cleared the doubts of students in the question-answer session. It was a very effective talk from a placement preparation point of view.



**Dayananda Sagar University**  
SCHOOL OF ENGINEERING  
Department of Computer Science & Technology  
Organizes  
Pre Placement Training Session I for 6th sem students  
ON 13-04-2024  
**By CST Alumni**  
Amitash M S  
Associate  
Nokia



**Join Link at 11:00 AM**

<b>Organizers</b> Prof. Baskar Venugopalan Professor of Practice, CST Prof. Ramandeep Kaur Assistant Professor, CST	<b>Chairperson</b> Dr. M Shahina Parveen Professor, CST	<b>Convener</b> Dr. Uday Kumar Reddy K R Dean-School of Engineering Dr. Shahina M Parveen Professor, CST
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## Pre-Placement Talk - "Technologies & Trends for Successful Professional Journey"

The Department of Computer Science & Technology has organized a Pre-Placement talk for 6th-semester students. The objective of the preplacement talk was to provide students with insights into the company, its culture, job opportunities, and the recruitment process. The training was organized by Prof. Baskar Venugopalan, Associate Professor, CST, and Prof. Nivetha NRP, Assistant Professor, CST. The session was handled by Dr. Jayaprakash Natarajan, Senior Data Scientist-Financial Services, Infosys Ltd- Bangalore. The training started at 10:00 am with a welcome note to Dr. Jayaprakash Natarajan by Sohana and handed over the session to the speaker. The speaker Guided students on how to research potential employers, including company culture, values, and recent developments, and provided insights into current job market trends, in-demand skills, and emerging industries. He encouraged students to stay updated on industry developments and acquire relevant skills through online courses or certifications. The preplacement talk served as an effective platform for students to learn about the company and its career opportunities. It helped in building awareness and interest among students, paving the way for a successful recruitment drive. The importance of Internships which offer a unique hands-on experience that bridges the gap between academic learning and real-world application was discussed with students. The session concluded with a vote of thanks given by Hemal S. Total of 49 students attended this training. The session received positive feedback from the students who found it informative and engaging. Some students requested more information on specific job roles and asked for tips on the application process, which was duly noted for future sessions.



**Department of Computer Science & Technology**  
Organizing  
**Pre-Placement Training Session**  
on  
**"Technologies & Trends for Successful Professional Journey"**

**Resource Person**  
Dr. Jayaprakash Natarajan,  
Senior Data Scientist-Financial services,  
Infosys Ltd- Bangalore.

Date: 25/04/2024  
Time: 10:00 AM - 11:00 AM  
Venue: G-016

**Outcomes of Seminar:**

- Students gain a deeper understanding of current and emerging technologies, as well as their potential applications and implications for their careers.
- Equipped with insights into emerging technologies and trends, students are better prepared to anticipate and respond to future disruptions and opportunities in their professions or industries.
- Students who are well-versed in industry trends and technical advances are better positioned to seek career possibilities and growth routes that are linked with emerging technologies.
- Enhances students confidence in their capacity to navigate technological changes and adapt to new challenges, encouraging a proactive approach towards career advancement.

**Patrons**

Dr. D. Hemachandra Sagar  
Chancellor, DSU  
Dr. D. Premachandra Sagar  
Pro-Chancellor, DSU  
Shri. Galiswamy  
Secretary, DSU  
Dr. Amit R Bhatt  
Vice-Chancellor, DSU  
Dr. Puttamadappa C  
Registrar, DSU  
Dr. Uday Kumar Reddy  
Dean-SOE

**Organizer**  
Prof. Baskar V.  
Prof. of Practice, CST  
Prof. Nivetha N R P  
Assistant Professor, CST

**Chairperson**  
Dr. M. Shobini parveen  
Professor, CST



## “Empowering Health Consciousness: A Session on Promoting Health Awareness”

The Data Analytics and Visualization Club at Harohalli Campus took a proactive step in raising health awareness by organizing a session titled "Health is my Personal Right" on April 10, 2024, commemorating World Health Day. The event, spearheaded by Dr. Basavaraj N Hiremath, Professor CSE, and Prof. Shilpa Sudheendran, Assistant Professor CSE, aimed to enlighten attendees about the significance of health as an individual's fundamental right.

The highlight of the session was the keynote address delivered by Dr. Gopal Das C M, Professor and Head of the Department, Department of Psychiatry(CDSIMER), whose expertise added invaluable insights into the subject matter. Dr. Gopal Das C M shared profound perspectives on personal health management, emphasizing the importance of proactive measures and informed decision-making in maintaining optimal well-being.

Attendees gained comprehensive knowledge of various aspects of healthcare, including preventive measures, lifestyle choices, and the utilization of data analytics for health management. Through engaging discussions and interactive sessions, participants were encouraged to take charge of their health and make informed choices toward a healthier lifestyle. The event not only underscored the significance of World Health Day but also served as a platform for fostering a culture of health consciousness within the academic community.





Journal of Electrical Systems

Ultra-Fast BNN Analysis with the upgraded FINN Framework: Harnessing GoogLeNet and Contemporary Transfer Methods for deploying algorithms on NVIDIA GPU

Abstract

Q3

SJR 2022 0.22

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## “Technotriology”

The Department of Computer Science & Engineering, in collaboration with the Full Stack Development Student's Club, organized Technotriology, an engaging and intellectually stimulating event held on April 30th, 2024. The event showcased a blend of technical prowess, competitive spirit, and lively debates, providing a platform for students to showcase their skills and knowledge.

In the Trivia Quiz event, participants engaged in a battle of wits, testing their knowledge across various domains of computer science and technology. In the Bug Bash: D-bugging & Coding Contest segment, participants delved into the intricate world of debugging. They encountered real-world scenarios, hunted down bugs, and applied their coding expertise to resolve issues efficiently. The coding contest provided a platform for participants to showcase their problem-solving abilities and coding finesse. The Verbal Volley Debate contest encouraged participants to articulate their viewpoints on contemporary issues in the field of computer science and engineering. Faculty Coordinators of the event are Prof. T K Pradeep Kumar, Dr. Gousia Thahniyath, Prof. Kavyashree I Pattan and Prof. Pooja Shree H R.

 **SCHOOL OF ENGINEERING**

 **FSD CLUB, DSU**

**DAYANANDA SAGAR UNIVERSITY**  
SCHOOL OF ENGINEERING  
Kudlu Gate, Hosur Main Road, Bengaluru 560068

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**</> TECHNOTRILOGY </>**

Calling all the tech wizards in our community-it's your time to shine!

**30TH APRIL 2024!**



**CONVENERS**  
DR. UDAYA KUMAR REDDY KR, DEAN SOE  
DR. GIRISHA G S, PROF. AND CHAIRPERSON CSE

**Faculty Coordinator**  
PROF. T K PRADEEP KUMAR  
DR. GOUSIA THAHNIYATH  
PROF. KAVYASHREE I PATTAN  
PROF. POOJA SHREE H R



## “Copilot Safari”

The Copilot Safari event, held on the 24th of April 2024 at Dayananda Sagar University, was a collaborative effort between Microsoft Azure and Reskill, aimed at enlightening students about the revolutionary tool - GitHub Copilot. The event drew a diverse audience, including students from various departments and spanning across different academic years, with notable attendance from 1st and 2nd-year students. The session was expertly coordinated by Prof. Pradeep Kumar K, Assistant Professor in the Department of Computer Science and Engineering (AIML), specializing in Artificial Intelligence and Machine Learning. The event was hosted by Ritvik Vasundh and anchored by Neha Amin, both 2nd-year students from the Department of Computer Science and Engineering (Artificial Intelligence and Machine Learning).



## Pre-Placement Training “Working in Teams and Interpersonal Skills”

Under the DataScience@DSU club, the Department of CSE (Data Science) organized Pre-Placement Training on “Working in teams and Interpersonal Skills” on 25th April 2024, from 9:00 am to 4:00 pm organized by the Deputy Director – Placement Mr. Vijay Kumar S, Chairperson Dr. Shaila S G, Department of CSE (Data Science), Prof. Shivamma D, Assistant Professor and Prof. Monish L, Assistant Professor in the Department of CSE (Data Science), the event targeted 4th-semester B.Tech students. The purpose of the session was to equip participants with the essential skills and knowledge required to excel in team environments and foster effective interpersonal relationships in professional settings.

The pre-placement training session on "Working in Teams and Interpersonal Skills" provided participants with valuable insights and practical tools to navigate the complexities of teamwork and interpersonal relationships in professional settings. Through interactive discussions, activities, and role-plays, participants gained a deeper understanding of the importance of effective communication, conflict resolution, empathy, and trust-building. The session equipped them with the skills necessary to thrive in collaborative environments and contribute positively to their future workplaces.

Overall, the training was well-received by participants, who expressed appreciation for the practical advice and strategies provided. It is anticipated that the knowledge and skills acquired during the session will serve them well as they embark on their professional journeys.



## Awareness Program “Awareness talk on THALASSEMIA”

Under the DataScience@DSU club, the Department of CSE (Data Science) organized an awareness program on “Awareness talk on THALASSEMIA” on 17th April 2024, from 11:00 am to 1:00 pm organized by Together With Us Foundation in collaboration with SANKALP INDIA FOUNDATION. The Together With Us Foundation is dedicated to positively impacting the community by providing aid, support, and hope to those in need, run by youth. The SANKALP INDIA FOUNDATION – a charitable trust promoting voluntary blood donation and alleviating blood requirements in patient care in India.

The Speaker of the talk Mr. Rakesh Dhanya BV, CEO- of SANKALP INDIA FOUNDATION, likely emphasized a few key points:

**Understanding Thalassemia:** Explaining the types of thalassemia (such as alpha-thalassemia and beta-thalassemia) and how they affect the body. This might include discussing the genetics behind the disease, the symptoms experienced by those who have it, and the various degrees of severity.

**The Role of Blood Donations:** Highlight how crucial regular blood donations are for the treatment of patients with thalassemia. Since these patients may require frequent transfusions throughout their lives, there is a constant need for a stable blood supply.

**Call to Action:** Encouraging the audience to donate blood, highlighting how each donation can save multiple lives and is particularly vital for those living with chronic conditions like thalassemia.

**Safe Blood donation:** Discussed the criteria for the donors. How a donor should prepare herself/himself before donating blood.



## “Parent Teacher Meeting for 4th semester students”

The Parent teacher's Meeting started as per the scheduled date and time by welcoming the parents who joined the meeting online and offline mode. The class advisor formally addressed parents, emphasizing the significance of Parent-Teacher Meetings (PTMs) at the university level. A total of six parents attended the meeting in hybrid mode. The class advisor discussed the attendance policy, stressing a minimum requirement of 75%. Consequences for failing to meet this requirement were outlined, emphasizing ineligibility for the Semester End Examinations (SEE). Parents were informed about their ward's attendance percentage and MSE-1 marks in all subjects, and the 60:40 split-up scheme.

The advisor clarified the CIA split-up, highlighting the passing marks of 40% and the obligation to attend the summer term exam if this criterion wasn't met. Additionally, they communicated details about MSE-1 performance, attendance, and initiatives such as remedial classes for slower learners and support for faster learners. Mentioned about ERP, Website, and where and how they can collect information. Mentioned ERP and asked them to collect information from their wards related to the timetable, IA marks, college timings, attendance, CGPA of the previous semester, and backlogs through ERP.





# SCHOOL OF ENGINEERING



## **FACULTY ACHIEVEMENTS**



**Dr. Amit Bhatt**  
**Vice Chancellor, DSU**  
**Department of CSE**

- Dr. Amit R Bhat, Vice Chancellor, DSU engaged a session on Pipelining for the Computer Organization and Architecture course on 16th April 2024 for 4th semester students in Lecture theatre 2, Harohalli campus. In the session he discussed principles of Pipelining, including its stages, its benefits in enhancing CPU performance and the challenges it presents.



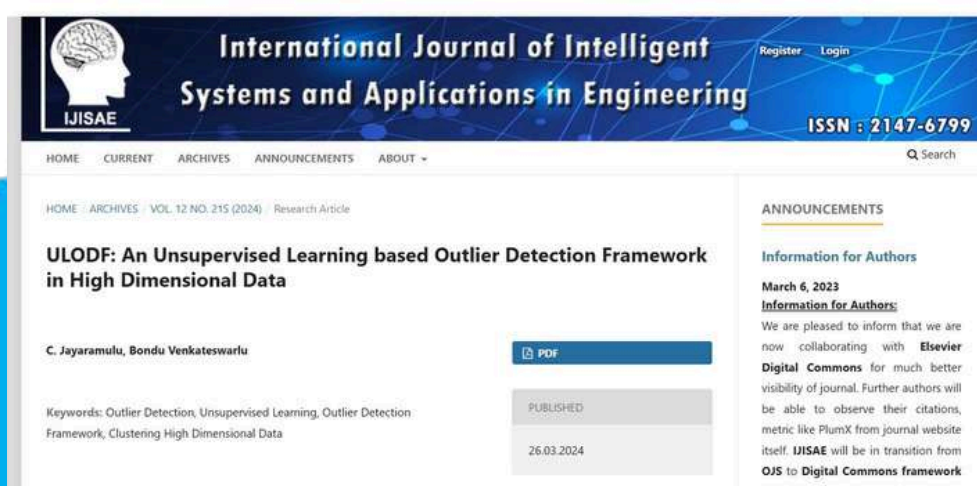


**Dr. Bondu Venkateswarlu**  
**Associate Professor**  
**Department of CSE**

- Dr. Bondu Venkateswarlu, Associate Professor, Dayananda Sagar University, received BITES Best PhD Supervisor Award-2021 from BITES Best PhD Thesis Awards 2021 Ceremony on 2nd April 2024 at SIT Thumakuru, Karnataka.

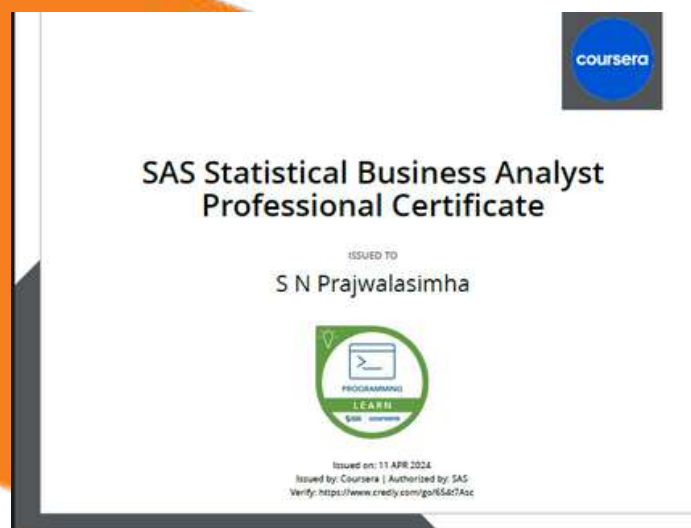


- Dr. Bondu Venkateswarlu, Associate Professor have published a research article in International Journal of Intelligent Systems and Applications in Engineering with the title “ULODF: An Unsupervised Learning based Outlier Detection”, indexed in Scopus.



**Dr. S. N Prajwalsimha**  
**Assistant Professor**  
**Department of CSE(CY)**

- Dr. S. N. Prajwalsimha has completed course on “SAS Statistical Business Analyst Professional Certification” issued by Coursera authorized by SAS Institute for Data Management.







**Dr. Pramod Naik**  
**Associate Professor**  
**Department of CSE**

- Dr. Pramod Kumar Naik, Associate Professor, delivered an insightful presentation on April 7th 2024 at the “Education Fair and Seminar- Edu Expo” held in Hosur's Hotel Hills organized by Alliance University. The session focused on elucidating the reasons why students, upon completing their PUC, should consider DSU, Bangalore, for their engineering education. Through an engaging discourse, he highlighted the myriad opportunities available to students after pursuing various programs at DSU, including BE, MBA, and MTech. The central theme of his presentation revolved around the dynamic fields of AI, Robotics, and ML, underscoring the university's commitment to excellence in these domains.



**Dr. Sreenanda Raut**  
**Assistant Professor**  
**Department of Mathematics**

- Dr. Sreenanda Raut, Assistant Professor attended IEEE Explore on 18th April 2024 conducted by DSU at Harohalli campus



**Dr. Pramod Naik**  
Associate Professor  
Department of CSE



**Dr. Basavaraj N Hiremath**  
Professor  
Department of CSE

- Dr. Pramod Kumar Naik, Associate Professor and Dr. Basavaraj N. Hiremath, Professor, jointly published a research article in Journal of Electrical Systems (JES) with the title “Ultra-Fast BNN Analysis with the upgraded FINN Framework: Harnessing GoogLeNet and Contemporary Transfer Methods for deploying algorithms on NVidia GPU”, indexed in Scopus with Q3

The screenshot displays the journal's website with the following details:

- Journal Title:** Journal of Electrical Systems
- ISSN:** 1539-3029
- Article Title:** Ultra-Fast BNN Analysis with the upgraded FINN Framework: Harnessing GoogLeNet and Contemporary Transfer Methods for deploying algorithms on NVidia GPU
- Authors:** Pramod Kumar Naik, Radha Gupta, Ravinder Singh Kuntal, Baskar Venugopalan, Basavaraj N. Hiremath, Vishal Pali
- DOI:** 10.52785/jes.1775
- Keywords:** Object Detection, Binarized Neural Networks (BNN), TensorFlow
- Abstract:** By combining Binarized Neural Networks (BNN) with the upgraded FINN framework and utilizing GoogLeNet with sophisticated transfer learning on Nvidia GPUs, this research presents a novel method for object detection. The goal is to decrease processing time and increase details. Specialized TensorFlow optimization allows BNN architectures to balance efficiency, and
- Indexing:** Q3 Computer Science (miscellaneous), best quartile, SJR 2022 0.22
- Logos:** ProQuest, SCIMAGO



**Benaka Santhosha S**  
**Assistant Professor**  
**Department of CSE**

- Mr. Benaka Santhosha S, Assistant professor, presented and published a paper in International Conference on Integrated Circuits and Communication Systems (ICICACS)-2024 organized by Department of Electronics and Communication Engineering, H.K.E. Society's Sir M Visvesvaraya College of Engineering, Raichur with the title "A Comprehensive Study on Various Encryption Techniques for Digital Images in Multimedia Networks" in IEEE, with DOI: 10.1109/ICICACS60521.2024.10498590.





**Prof. Naveen Kulkarni**  
Assistant Professor  
Department of CSE(CY)

- Prof. Naveen Kulkarni has successfully completed 8-week NPTEL Online Certification Course “Evolutionary Computation for Single and Multi-Objective Optimization “by IIT Guwahati.



The certificate features the NPTEL logo on the left and a small portrait of Prof. Naveen Kulkarni on the right. The text is centered and includes the course title, score, and a table of performance metrics. It is signed by Prof. T. V. Bharat, NPTEL Coordinator at IIT Guwahati, and dated Jan-Mar 2024. Logos for IIT Guwahati and Swayam are at the bottom.

**NPTEL Online Certification**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**NAVEEN KULKARNI**  
for successfully completing the course  
**Evolutionary Computation for Single and Multi-Objective  
Optimization**  
with a consolidated score of **45** %

Online Assignments	14.58/25	Proctored Exam	30/75
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Total number of candidates certified in this course: 23

Jan-Mar 2024  
(8 week course)

*T. V. Bharat*  
**Prof. T. V. Bharat**  
Head, Centre for Educational Technology  
NPTEL Coordinator, IIT Guwahati

 Indian Institute of Technology Guwahati

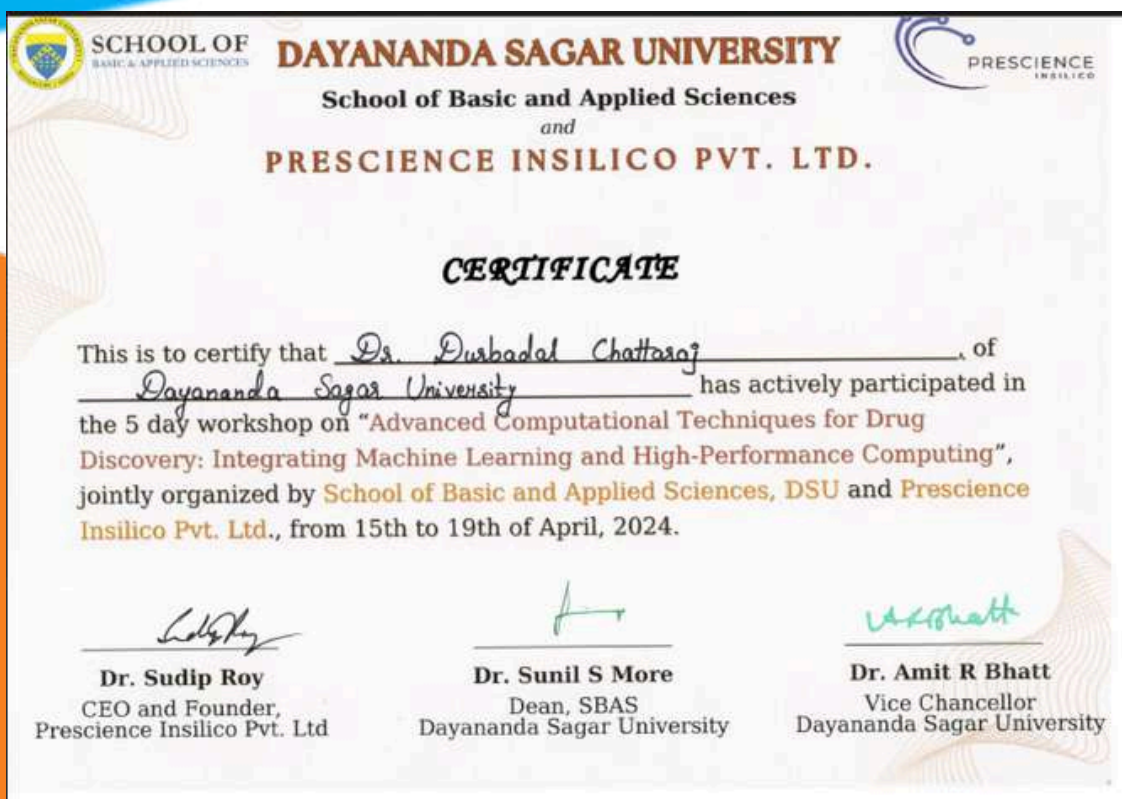


Roll No: NPTEL24ME30S646603271      To verify the certificate       No. of credits recommended: 2 or 3



**Dr. Durbadal Chattaraj**  
Associate Professor & Chairperson  
Department of CSE(CY)

- Dr. Durbadal Chattaraj has actively participated in 5-day workshop on “Advanced computational Techniques for Drug Discovery: Integrating Machine Learning and High-Performance Computing”, jointly organized by School of Basic and Applied Sciences, DSU and Prescience Insilico Pvt. Ltd., from 15th to 19th of April, 2024.





**Prof. Sharanbasappa Tadkal**  
**Assistant Professor**  
**Department of CSE(CY)**

- Prof. Sharanbasappa Tadkal completed two-day workshop on “Business Intelligence using Power BI” conducted by Mr. Jatan Shah, Microsoft Certified Trainer, Co-founder & CEO, Skill Nation.





**Dr. Monika Goyal**  
**Assistant Professor**  
**Department of CSE(AIML)**



**Mr. Pradeep Kumar K**  
**Assistant Professor**  
**Department of CSE(AIML)**

- Dr. Monika, Assistant Professor, Prof. Pradeep Kumar, Assistant Professor, Department of CSE (AIML) has published a Journal paper titled “Deep learning for enhanced brain Tumor Detection and classification” on 17th April 2024 Q1 rated Journal SCI Indexed Q1 Journal with 5 IF – Elsevier



**Mr. Subhash Mondal**  
**Assistant Professor**  
**Department of CSE(AIML)**

- Prof. Subhash Mondal, Assistant Professor, Department of CSE (AIML) has published a Journal paper Title: Question classification task based on deep learning models with self-attention mechanism on 26th April 2024 Q1 rated Journal Multimedia Tools and Applications WoS, SCI -IF 3.6, SJR-Q1 Journal



**Dr. Monika Goyal**  
**Assistant Professor**  
**Department of CSE(AIML)**

- Dr. Monika, Assistant Professor, Department of CSE (AIML) has published Book chapter on Security, Privacy, Trust, and Other Issues in Industries 4.0 under the title of book Topics in Artificial Intelligence Applied to Industry 4.0, Wiley Publications, Scopus Indexed.
- Dr. Monika, Assistant Professor, Department of CSE (AIML) has published Book chapter on Role of Artificial Intelligence in 3-D Bone Image Reconstruction: A Review under the title of book Disease Prediction using Machine Learning, Deep Learning and Data Analytics, Bentham Science Publications, Scopus Indexed.



**Dr. Sumit Kumar Yadav**  
**Assistant Professor**  
**Department of CSE(AIML)**

- Dr. Sumith Kumar Yadav, Assistant Professor Department of CSE (AIML), Has successfully completed his Ph.D viva voice in the area of Deep Learning from IIT (BHU) Varanasi.





**Mr. Pradeep Kumar K**  
**Assistant Professor**  
**Department of CSE(AIML)**

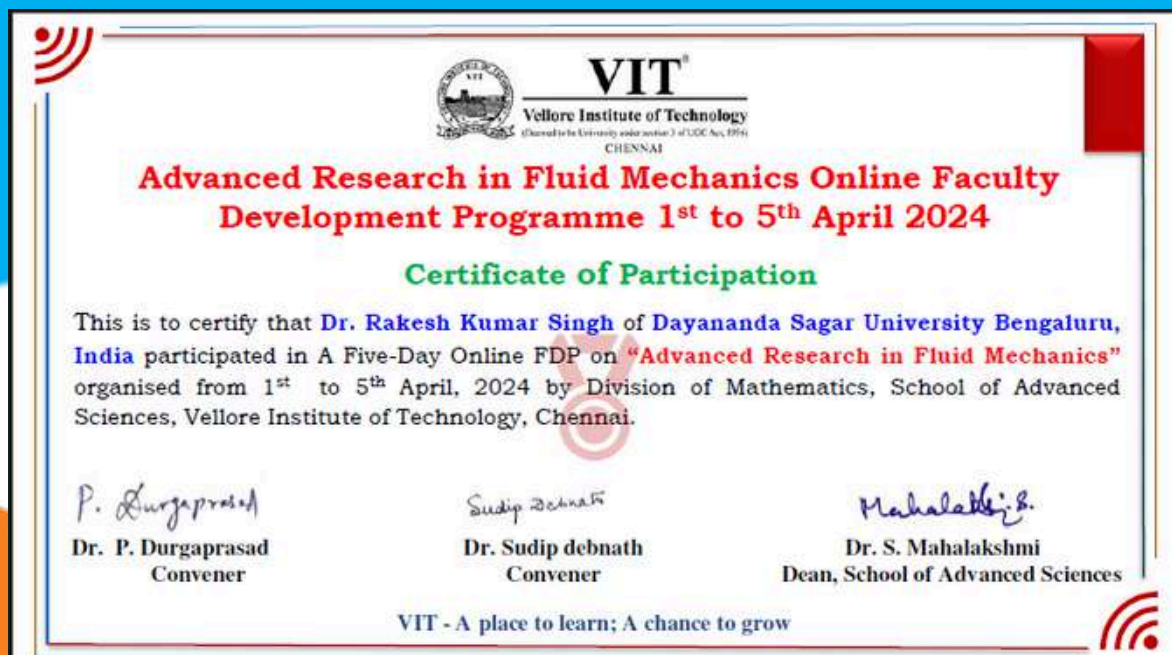
- Prof. Pradeep Kumar K, Assistant Professor has attended the National Workshop on Quantum Physics (Alice in Quantum land) held during 9th April to 14th April 2024 (Online) Organized by Kanya Maha Vidyalaya, Jalandhar.





**Dr. Rakesh Kumar Singh**  
**Assistant Professor**  
**Department of Mathematics**

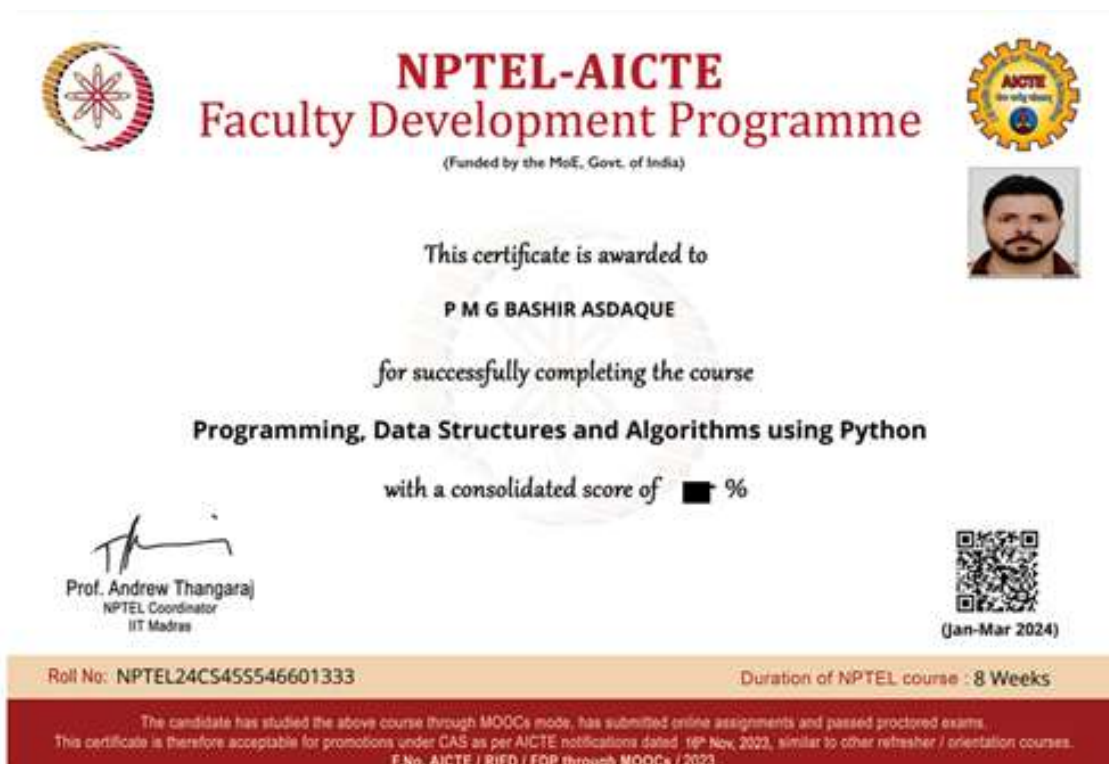
- Dr. Rakesh Kumar Singh, Assistant Professor attended online FDP program organised by VIT Chennai from 1st April to 5th April 2024.





**Dr. P M G B Asdaque**  
**Assistant Professor**  
**Department of Mechanical Engineering**

- Dr. P. M. G. Bashir Asdaque, Assistant Professor has been awarded a SERB-ITS grant to attend the most reputed European Conference, ECCOMAS-2024 (9th European Congress on Computational Methods in Applied Sciences and Engineering 2024, Portugal from 03 June 2024 to 07 June 2024) to be held in Lisbon, Portugal.
- Dr. P M G Bashir Asdaque, Assistant Professor has completed the NPTEL course "Programming, Data Structures and Algorithms using Python". This course was conducted for 8 Weeks. Dr. Bashir has studied this course through MOOCs mode, has submitted online assessments and successfully passed the proctored NPTEL exam, and earned the AICTE-FDP certificate as well.





# SCHOOL OF ENGINEERING



## STUDENT ACHIEVEMENTS

- Mr. Pruthvi (ENG21CT0031), Mr. Manoj Kumar R (ENG21CT0023), Mr. Sandesh Shet (ENG22CT1002) participated and won the first prize in the Hackathon event of Symposium on Digitalization for Disruptive Technologies (SDDT 2024) on 18th & 19th April 2024 organized by Energy Institute, Bengaluru.



- Mr. Sohan (ENG21CT0037), Mr. Manoj Naik (ENG21CT0024), Mr. Likith (ENG21CT0019), have published a research article titled “Unravelling Parkinsons Disease: Leveraging the Power of AI” in International Conference on Engineering, Social-Sciences and Humanities (IC-ESSU-2024), held during 19-20 April 2024 at Manila, Philippines.



- Mr. Nishant Kumar Dubey (ENG22CT0030) has successfully completed the Infosys Springboard course “Ubuntu for Beginners” on April 2024.



- Ms Harshitha R has successfully completed her internship program with EXTERNS club Pvt. Ltd., from 1st Feb 2024 to 31st March 2024.



- Ms. Ekta Maini, Research Scholar of Dr. Bondu Venkateswarlu, Associate Professor, received BITES Best PhD Thesis Award-2021 from BITES Best PhD Thesis Awards 2021 Ceremony on 2nd April 2024 at SIT, Thumakuru, Karnataka.



- Ms Sanaa Kittur (ENG20CS0313), Swati Priya (ENG20CS0375), Shermeen Ulfat (ENG20CS0335) and Shravana (ENG20CS0339) final year project Guided by Dr Basavaraj N Hiremath, Professor, CSE and Dr Gopal Das, CDSIMER with project titled "Identifying and Diagnosing common mental disorders by Digital Phenotyping" got the second place with cash prize of Rs 20000 @ the Project Expo of MVJ college of Engineering Whitefield Bangalore held on 27th April 2024.



- Mr. Ayush kumar (ENG20CS0047), Fahad U R Rahman (ENG20CS0097), Himanshu (ENG20CS0115), Uday Narayan Gautam (ENG20CS0390) and Dr. George Fernandez, Associate Professor, Presented and published a research paper in ICONSTEM 2024 titled "Early-Stage Detection of Autism Spectrum Disorders" in 9th IEEE conference organized by Jeppiaar Engineering college 4th and 5th April 2024.





- Mr. Aditi Bharath (ENG20CS0014), Antriksh Singh (ENG20CS0037), Aryanjeet Singh (ENG20CS0042), Ashmita Neog (ENG20CS0043) and Dr. George Fernandez, Associate Professor, Presented and published a research paper in ICONSTEM 2024 titled “Smart-Segregation of Waste Management Using IoT” in 9th IEEE conference organized by Jeppiaar Engineering college 4th and 5th April 2024.



- Ms. Chinnu Mary George, Research scholar, CSE under the guidance of Dr. Gayathri K M, ECE Department, SOE, DSU, completed her Ph.D Public Viva-Voce Examination on 12-04-2024 11 :00 AM, Harohalli Campus, DSU.

**Dayananda Sagar University: Bengaluru**  
**Office of the Dean Research & Innovation**  
**Notification for Ph.D. Public Viva-Voce Examination**

<b>Printed Date</b>	: 03 - 04 - 2024
<b>Name of the Scholar</b>	: Ms. Chinnu Mary George
<b>USN</b>	: ENG18PPCS09
<b>Degree / Category</b>	: Ph.D. / Part-Time
<b>Faculty</b>	: Engineering
<b>Title of the Thesis</b>	: Location Privacy in Wireless Sensor Networks Against a Global Adversary
<b>Date and Time of Viva-Voce Examination</b>	: 12-04-2024 11:00 AM
<b>Venue</b>	: Online Mode- Harohalli Campus, DSU
<b>Name and Address of the Supervisor</b>	: Dr. Gayathri K M, ECE Department, SOE, DSU
<b>Name and Address of the Co-Supervisor</b>	: Dr. Reeja S R, VIT, AP
<b>Online Meeting Details</b>	: Join Zoom Meeting <a href="https://us06web.zoom.us/j/85711788567pwd=mEUUyuzvSjJkVZCh7PQZS0HtS1Ucz.1">https://us06web.zoom.us/j/85711788567pwd=mEUUyuzvSjJkVZCh7PQZS0HtS1Ucz.1</a> Meeting ID: 857 1117 8856 Passcode: 394364

All are cordially invited to attend the Ph.D. Public Viva-Voce Examination  
 Date : 03-04-2024  
 Place : Bengaluru

Signature of the Supervisor (Name, date and seal)      Signature of the Co-Supervisor      Signature of the Chairperson/Principal/Dean (Name, date and seal).

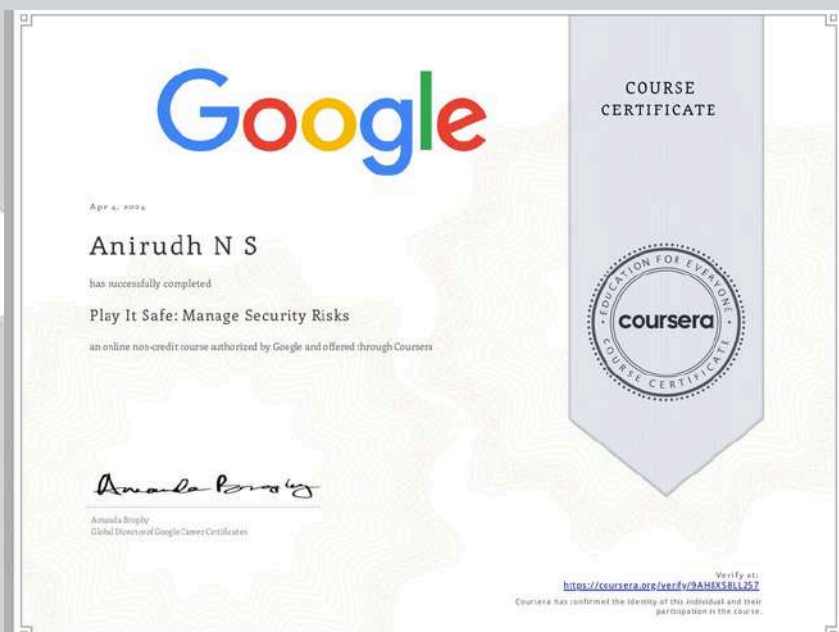
- Ten final year BTech Projects from KSCST SPP scheme 2023-24 received funding of Rs. 37500/- in April 2024.

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)	AMOUNT SANCTIONED (Rs.)
397.	475_BE_1059	TARGET TYPE THRUST REVERSAL SYSTEM	B.E.	AEROSPACE ENGINEERING	Prof. SRIPAD KULKARNI S.	Mr. NISCHAL KUMAR K. S. Mr. MOHAMMED ABBAS S. Mr. MOHAMMED SAHL	7,000.00
398.	475_BE_2721	IDENTIFICATION OF NEUROLOGICAL DISEASES USING ECG DATA	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Prof. ARJUN KRISHNAMURTHY	Mr. N. U. HARSHA TEJAS Ms. RAYE HAARIKA Ms. K. KUSUMITHA Ms. HARI PRADHA P. Ms. KUNIKA MATHUR Ms. LAKSHITHA S. Ms. MONICA MAHESH Ms. NANDITHA M.	3,000.00
399.	475_BE_0727	AI VOICE ORIENTED FRAUD DETECTION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. SRIDHAR S. K.	Ms. SANAA KITTUR Ms. SHERMEEN ULFAT Ms. SHRAVANA Ms. SWATI PRIYA Ms. KEERTHANYA N. Mr. J. GYANASAI DIXITH Mr. K. SANTHOSH	3,500.00
400.	475_BE_0820	IDENTIFYING AND PREDICTING / DIAGNOSING COMMON MENTAL DISORDERS BY DIGITAL PHENOTYPING USING A MOBILE APP	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. BASAVARAJ N. HIREMATH Dr. GOPAL DAS C. M.	Ms. SANAA KITTUR Ms. SHERMEEN ULFAT Ms. SHRAVANA Ms. SWATI PRIYA Ms. KEERTHANYA N. Mr. J. GYANASAI DIXITH Mr. K. SANTHOSH	3,500.00
401.	475_BE_1195	AUTOMATION OF BEHAVIORAL GRADING FOR GOOGLE CLASSROOM	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. MEENAKSHI MALHOTRA	Ms. SANAA KITTUR Ms. SHERMEEN ULFAT Ms. SHRAVANA Ms. SWATI PRIYA Ms. KEERTHANYA N. Mr. J. GYANASAI DIXITH Mr. K. SANTHOSH	2,000.00
402.	475_BE_1252	ENVIRONMENTAL IMPACT ANALYSIS USING SATELLITE IMAGE PROCESSING: A CASE STUDY ON BANGALORE STIRR PHASE-1	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. RAJESH T. M.	Mr. VARUN P. SHRIVATHSA Ms. SARITHI REDDY U. Mr. GIRISH SINGH B. S.	3,500.00
403.	475_BE_1386	PREDICTION OF RESPIRATORY DISORDER USING SOUND VIA DEEP LEARNING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. BONDU VENKATESWARLU	Ms. SHREYA NAGA SAI MALEPATY Ms. ISHA M. Ms. SHREYA S. Ms. TAMANNA VERMA Mr. KAPIL ADARSH S. A. Mr. DARSHAN KUMAR M. Mr. GUNTUR LOHITH SAI Mr. JASIN JAYACHANDRAN	3,500.00
404.	475_BE_2433	KEYSTROKE DYNAMICS FOR CONTINUOUS USER AUTHENTICATION	B.E.	COMPUTER SCIENCE AND ENGINEERING	Ms. SUVIKA K. V.	Ms. SHREYA NAGA SAI MALEPATY Ms. ISHA M. Ms. SHREYA S. Ms. TAMANNA VERMA Mr. KAPIL ADARSH S. A. Mr. DARSHAN KUMAR M. Mr. GUNTUR LOHITH SAI Mr. JASIN JAYACHANDRAN	3,500.00
405.	475_BE_2485	A MODEL FOR ESTIMATING AND CHARACTERIZATION OF BIOMASS IN THE FOREST REGIONS, A CASE STUDY - BANNERGHATTA NATIONAL PARK	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. RAJESH T. M.	Ms. ADITI A. NAVALE Mr. GAGANDEEP B. R. Ms. NEHA D. JAGTAP	3,500.00
406.	475_BE_3630	READING EYE FOR BLIND USING RASPBERRY PI	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. PRAMOD KUMAR NAIK	Mr. KISHORE KUMAR K. Mr. PAVAN KUMAR Mr. MADHAV JADHAV Mr. SHASHIDHARA K. M.	4,500.00
407.	475_BE_3870	A PROXY RE-ENCRYPTION TO SECURE INTERNET OF THINGS DATA SHARING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. VISHWAS D.	Mr. DHANUSH E. Mr. HARSHITH N.	
408.	475_BE_5480	AUTOMATIC FISH FEEDER USING COMPANION APP	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. NANDINI K.	Ms. POOJA V. KUMAR Ms. N. MEGHANA Ms. S. ANANYA Ms. RASHMITHA M.	5,000.00
409.	475_MSC_0054	PREDICTIVE QSAR MODELING FOR THERAPEUTIC STRATEGIES TARGETING SM16 PROTEIN'S IMMUNE MODULATING ROLE IN HOST-PARASITE INTERACTION	M.Sc	GENETICS	Dr. PRONAMA BISWAS	Ms. KALYANI S. BIJU Ms. VONDHANA R. Ms. VARSHITHA KRISHNA	5,000.00

Note:

We will release 47<sup>th</sup> series sanctioned amount and sanction letters after the submission of 44<sup>th</sup>, 45<sup>th</sup> and 46<sup>th</sup> series Utilization certificate and Statement of Expenditure.

- Mr. Anirudh N S (USN: ENG21CY0007) of 6th semester, CSE (Cyber Security) has successfully completed “Play It Safe: Manage Security Risks” an online non-credit course authorized by Google and offered through Coursera.



- Mr. S. Arjun Kumar (USN: ENG21CY0033), Mr. Abhay Bagalkot (USN: ENG21CY0001), Mr. Sudhir S. (USN: ENG21CY0044), Ms. Vaishnavi Raju Nayak ( USN: ENG21CY0050) of 6th semester, CSE(Cyber Security) have demonstrated exceptional dedication and skill during a 4-week virtual internship in Cybersecurity with commendable performance at Pinnacle Labs from 01/03/2024 to 31/03/2024.



- Mr. Vaishnav A (USN: ENG20CY0043) of 8th semester CSE (Cyber Security) has certified in Cybersecurity by ISC2 Code of Ethics with certification number 1526046 from May 1,2024 to April 30, 2027.



- Mr. Vaishnav A (USN: ENG20CY0043) of 8th semester CSE (Cyber Security) has successfully completed all requirements and criteria for Certified Ethical Hacker certification through examination administered by EC-Council, issued on 08th April, 2024 and expires on 07th April 2027.



- Mr. T Vyasraj (USN: ENG21CY0047) of 6th semester CSE (Cyber Security) has certified in eJPT (Junior Penetration Tester) from XiNE SECURITY.



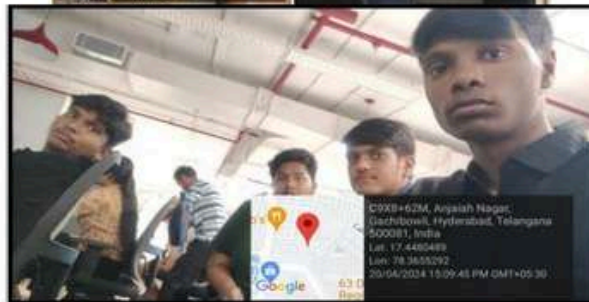
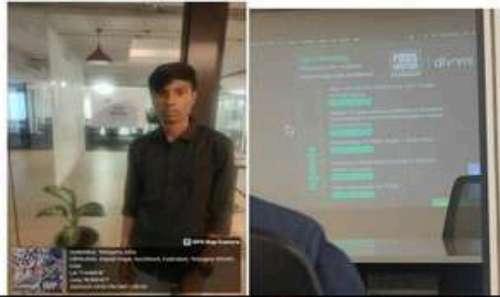
- Ratan Ravichandran (ENG21AM0093), Sayli Pankaj Bande (ENG21AM0112), and Sri Bharath Sharma P (ENG22AM3005), 6th semester students of AIML department has Won First Prize in HackNXS (MAHE Bengaluru- Yelahanka) – Hackathon Conducted by Manipal Academy of Higher Education (MAHE) Bengaluru with cash prize of Rs.50000.



- GaanaShree (ENG22AM0014) 4th semester students of AIML department have Won Best Presentation Award Title: PARTH paralysis therapy and monitoring device in St Francis De Sales College Bengaluru "MIMAMSA- ONE DAY STUDENT NATIONAL SEMINAR" with a cash prized of 2000Rs.



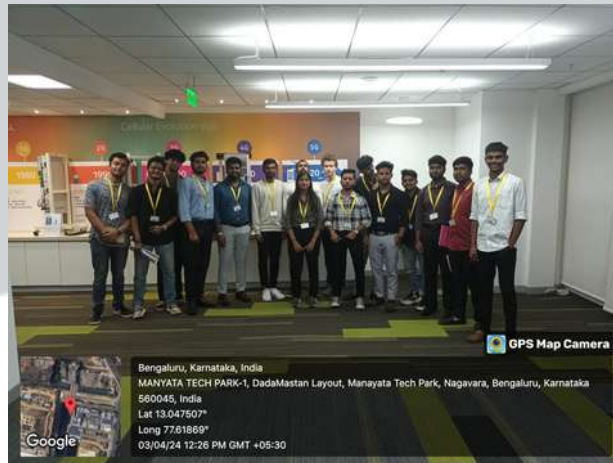
- AIML Students attended FoSS Meet on Unix Shell Programming (Skill Enhancement Course) held in Divami Design Labs Pvt. Ltd, Gachibowli, Hyderabad. On 20th April 2024.



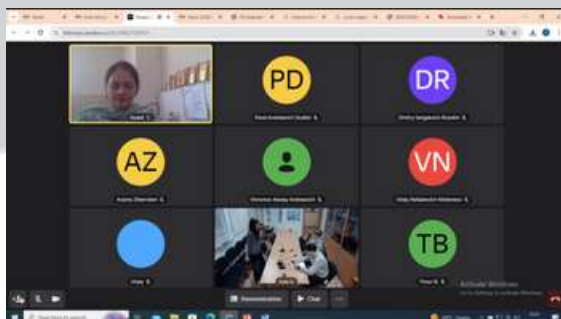
- Janardhan K S has completed the Course on Python for Data Science organised by Infosys Springboard on 27th April, 2024.



- On April 3rd, 2024, 20 6th-semester ECE students participated in Nokia's Makeathon at Manyata Tech Park, Bangalore. Mentored by Dr. Saara K, they explored telecom generation and 5G technology. The event focused on hands-on experience in communication setups, providing valuable exposure to real-world operations. Students actively engaged in practical exercises, demonstrating their ingenuity and problem-solving skills. Dr. Saara K's guidance ensured their active participation and learning. The Makeathon was a success, enriching students' understanding of cutting-edge communication technologies.



- In a commendable achievement, undergraduate students under the guidance of Dr. Saara K had two papers accepted and presented online at the prestigious 66th All-Russian Scientific Conference at MIPT in Moscow, Russia, on April 4th, 2024. The papers were accepted in the Digital Transformation Technologies and Radiophysics, Wave Processes, and Radio-Electronic Information Systems sections, showcasing the students' prowess in diverse fields. Dr. Saara K's mentorship and role as the corresponding author underscore her dedication to nurturing academic excellence. These accomplishments mark a significant milestone for the students and reflect the department's commitment to fostering research and innovation.



- The 8th-semester students of the Mechanical Engineering department SOE Dayananda Sagar University participated in a state-level project exhibition “PROTATVA – 2024” held on April 24th at the RV Institute of Technology and Management, Bengaluru. Two teams from the 8th semester B.Tech, Mechanical Engineering, Dayananda Sagar University presented their cutting-edge projects. The first project was an automated car washing system utilizing PLC, demonstrating the practical application of automation in everyday tasks. The second project was a solar-powered IoT Greenhouse aimed at enhancing sustainable agricultural practices through technology.



*Students receiving certificates at the valedictory function.*



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