

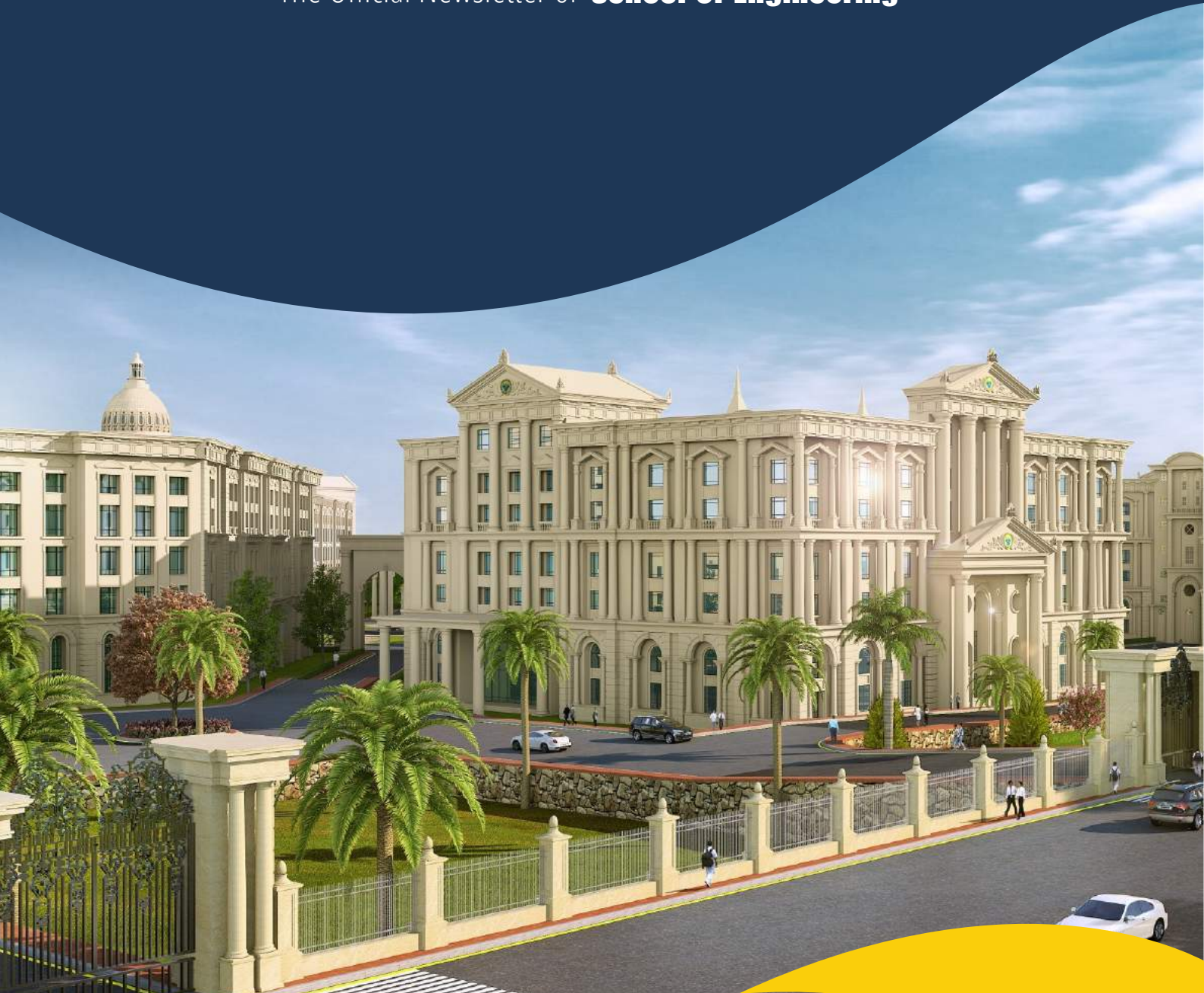


**Dayananda Sagar
University** Bengaluru

Dayananda Sagar
is backed by a
**Six-Decade
Legacy**
in Educa on & Healthcare

SOE-BULLETIN

The Official Newsletter of **School of Engineering**



SCHOOL OF ENGINEERING

Vision

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

Mission

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



Department of Computer Science & Technology

Tech Talk :

"HiTech Dreams: Cracking the code to Success in a VUCA World"

On the **15th of March 2023**, the Department of **Computer Science and Technology**, Dayananda Sagar University organized a **'Tech Talk'** session on "HiTech Dreams: Cracking the code to Success in a VUCA World".



The speaker, **Ganesh Swaminathan** is a seasoned business leader and technology executive with 36 years of experience. He has a strong background in Cloud and Serverless Architectures, Blockchain, IBN, IoT, Digital Twin, Augmented AI, Quantum Computing, and Theory of Relativity. He has also successfully led digital transformation initiatives for large enterprises.



Report on Women's Day celebration



The department of Computer Science and Technology celebrated **Women's Day** in association with **KALPANA CLUB**. The theme of the celebration was "DigitALL: Innovation and technology for Gender Equality". The target audience for this session was all CST students and around **35 students** participated. Sohana also introduced **Dr. M Shahina Parveen**, Chairperson CST and the speaker of the session and requested madam to take over the session.

Dr. M Shahina Parveen shared her thoughts on DigitALL: Innovation and technology for Gender Equality theme and shared various Women's achievements. Her talk was very motivational and inspirational. She also shared various quotes which depicted the strengths of a woman. She shared **stories of famous women** and showed that women are equal to men and can do anything and everything, even in the field of innovation and technology also. She asked everyone to come together **to support each other's goals & dreams**, women not only enhance their own lives, they empower others. She further discussed Innovation for **Gender Equality** and **Women's Empowerment**.



“Product Launch and e-Poster Making competitions”



Dayananda Sagar University cultural club “**KALAKSHETRA**” at SOE, in association with the Department of Computer Science & Technology organized Product launch and e-poster making competitions. These events were hosted by the CST department as a part of **talent hunt for SOE level**. Separate registrations for both the events were taken, students from different departments registered for the events.

Teams came up with **their products** and explained the business model along with the **business plan**. MVM of the product was presented to the judge Prof Baskar Venugopalan from CST department. The posters were checked by the judge Dr M Shahina Parveen, chairperson CST department based on the theme coverage and relevance and also innovative solution pictures. The competition was scheduled from **2.00 PM to 3.00 PM on 2nd March 2023**.

The competitions were conducted by the department cultural coordinator Prof Swetha Patil along with the student volunteers Nihal Nabha, Punith Raj, Shushank and Vaibhav.



Bengaluru, KA, India

A Session by Placement Cell Pre-Placement Training and NeoPat Demo Session

Training and Placement office organized preplacement and **NeoPat Demo session** for **6th semester students** of Computer Science and Technology Students on **28th March, 2023**. NeoPat representatives explained how to prepare for campus interviews, current job market, usage of NeoPat platform and how to courses and tests etc.



A Session by Placement Cell "The Infosys Finacle Certification Program"

Department of Computer Science Engineering (Data Science) has successfully organized a **"The Infosys Finacle Certification Program"** on **29th March, 2023** organized by Dr. Shahina Parveen, Professor and Chairperson, Dept. of CST, **Dr. Vijay Kumar, Deputy Director, DSU**. The targeted audience was **3rd year students** of the Department of CST. The session was organized in offline mode. Around 30+ students were attended the session

Resource Person:

1. **Puneet Chhahira**, Vice president Head of Product Management and Marketing at Infosys Finacle.
2. **S Karthik V R**, Business Manager – Learning and Development, at Infosys Finacle.

STUDENT ACHIEVEMENTS

1. Mr. Punith Raj, MR. Adithya Navale, Mr. Dhanush, Mr. Abhijeet Sahoo, Mr. Shubham, Ms. Shashikala, Ms. Divyashree, Mr. Vaibhav, Mr. Venkata Gokul Manda, Mr. Abhas Agnihotri, Mr. Vinnakoti Akshay, Ms. Bhoomika, Ms. Keerthi A Reddy, Mr. Sathvik, Mr. Manogna Yaragal, Mr. Ruchi Singhal, Mr. Ayush Mishra, Ms. Daksha, Mr. Nikhil Gupta, Mr. Deepak, Mr. Shushank Raj, Mr. Ansh Gupta, Mr. Prajwal Mishra, Ms. Poornashree Priyanka, Mr. Mohith, Mr. Vinay, Mr. Tharun, Ms. Anisah, Mr. Sai Skanda Saravanan, Mr. Nihal of 6th Semester, Department of Computer Science and Technology successfully completed the Rapid Miner Academy awarded certification in "Data Engineering Master Certification".

STAFF ACHIEVEMENT



Dr. M. Shahina Parveen
Professor & Chairperson

- Reviewed papers in IEEE International Conference on Electronics, Computing and Communication Technologies (CONNECT), March, 2023.



Bhaskar Venugopalan
Professor of Practice CST

- Prof. Baskar Venugopalan and Dr. Shahina Parveen have judged the Ultimate Algorithm Challenge in CODE CR





Department of Computer Science & Engineering

International Women's Day Celebration

On **8th March, 2023**, the Department of Computer Science and Engineering observed International Women's Day. The occasion featured speeches on women's emancipation and their **role in society** from the **women heads and faculty** of the Computer Science and Engineering cluster. There were then **cultural** and **entertaining events**.



Workshop on Network Forensics tools for Cyber Security

Dr. Niranjana Appasamy, Associate Professor, Dr. Mouleeswaran, Associate Professor, Prof. Kalpana B.N., Department of Computer Science and Engineering, convened a hands-on workshop on **“Network Forensics tools for Cyber Security”** in collaboration with IEEE Computer Society Bangalore Chapter and IEEE Cyber security STC presented in Hybrid Mode on **10th March 2023**. The event's primary goal was to raise awareness of network vulnerabilities and the solutions available to mitigate them. Mr. Dilip.S., a second-year M.Tech. student at UVCSE in Bengaluru studying cybersecurity, spoke at the event. The speaker educated the audience of students in the second and third years of Computer Science and Engineering about **Wireshark** and **NMAP technologies**.



House of Coders: Principles of Data Structures for Tier 2 and Tier 3 Batch

- Data Analytics & Visualization (DAV) Club of the Department of Computer Science and Engineering conducted SERIES-4 Activity on “**Principles of Data Structures for Tier 2 and Tier 3 Batch**” for the **2nd and 3rd year students** on **11th March 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 practical applications of recursion, stacks, and queues were the topics discussed by the speakers, who were all student event coordinators.



Student Development Program: C In One day

- The Department of Computer Science and Engineering hosted a Student Development Program called **C In One Day via online mode** for first-semester students in collaboration with the Ganakanveshana Club on **20th March, 2023**. In a single day, the core concepts of C, including pointers, structures and unions, file I/O, and hands-on activities based on the curriculum, were covered. Prof. Raghavendra K, first-semester students Dheerendra Achar, Chiranjeev Kapoor, and B Dhivya Chinmayi Palled were among the tutors. Prof. Dharmendra and Prof. Vishwas D B were the event's coordinators. Dr. Girisha G. S., Professor and Chairman, Computer Science and Engineering, and Dr. Rajesh T. M., Associate Professor, served as the conveners. This event was beneficial to first-semester students.

Technical Talk: Applications of AI and ML

- Department of Computer Science and Engineering, organized a technical talk on "Applications of AI and ML" on **31st March, 2023**. The keynote speaker of the event was **Mr. Sooraj KC**, Chief Scientist / Senior Director - AI Chief Scientist / Senior Director - AI at AlphaICs Corporation. The **objective** of the talk was to shed light on applications of AI/ML in diverse fields. The faculty members from Computer Science and Engineering and Electronics and Communication Engineering were the participants. They were interactive and numerous ideas were discussed.



FACULTY ACHIEVEMENTS



Pramod Naik, Associate Professor, Department of Computer Science and Engineering, have successfully completed a **11-month course on PG Program** in Management and was awarded a certificate from **IMT Management, Ghaziabad**.

STUDENT ACHIEVEMENTS

- **Ms.Shubhashree P** with USN ENG19CS030, of 8th semester, Department of Computer Science and Engineering was invited as Distinguished Observer, Judge to **VISHLESHAN 3.0** a journey through the Budget 2023 for MBA students where they presented in the **form of role play**, group discussion and **debates** among the members of Finance Minister, CEA, Trade Union President, Farmer Leader, Assocham President, CNBC, Opposition Party member.



- **Ms.BHAGYALAXMI N KULKARNI** with USN ENG20CS0056, of 6th semester won first Prize in Paper Presentation on **“Website Blocker”** at the event **National Level Tech Fest(Advitiya - 2k22)** held in KLEIT, Hubballi, Karnataka on 23rd March,2023.

STUDENT ACHIEVEMENTS

- **Ms.Sakina Bathool** and **Mr. Ronald Santhosh** presented a paper titled "Smartphone position tracking using GNSS" in the conference International Conference on intelligent COMPuting TEchnologies and Research (i-COMPUTER 2023) on 25th March,2023, authoring Ms.Sakina Bathool, Ms. Sabeeha Tabassum, Mr. Ronald Santhosh, Mr. Rahul Sharma and Prof.Lavanya B Koppal, Assistant Professor, Department of Computer Science and Engineering.



- **M.Suvik Sharma M.S.**,8th semester,Vishnu **S.Nair**,8th semester,**Rithvik**,8th semester,**Sehaj Talwar**, 6th semester, **Kiran Thomas.V**, 6th semester, **Spandan Das**,8th semester, Department of Computer Science and Engineering, under the band Vortex, participated at Samskruthi 2023 held at East Point College of Engineering, Bengaluru on 30th March,2023 and won runners up for Master of Bands event



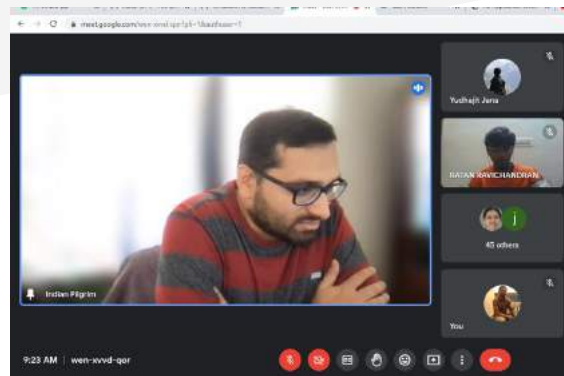
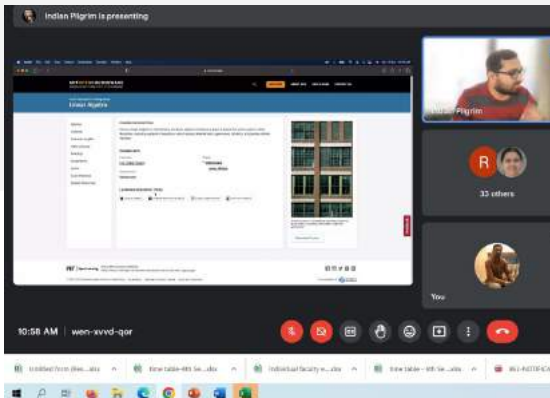


Department of Computer Science & Engineering

(Artificial Intelligence and Machine Learning)

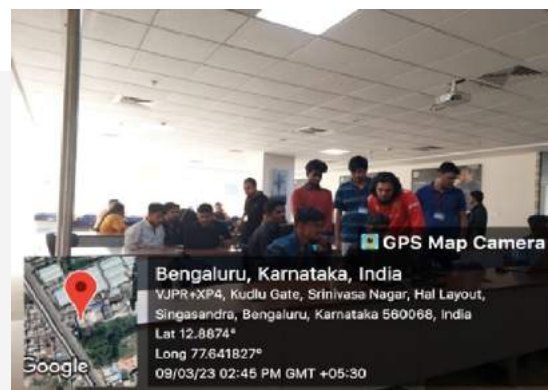
Talk on Contemporary Data Science and Introduction to Big Data with Spark

- Talk on **Contemporary Data Science** and Introduction to Big Data with Spark: **Dr. Vijay Krishna Menon**, Principal Data Scientist, Keep Flying™. has given a talk about Contemporary Data Science and Introduction to Big Data with Spark on **11th March 2023** students of 4th sem and 6th sem AIML students took the benefits of this talk



“EA SPORTS FIFA2023 TOURNAMENT”

- Department of Artificial Intelligence and Machine learning has organized “The FIFA 23 gaming event” which was a successful event that took place on **09/03/2023** at GE healthcare lab in A block first floor. The event aimed to provide a platform for gamers to showcase their skills and enjoy the **FIFA 23 game**.



“VALORANT TOURNAMENT”

- Department of Artificial Intelligence and Machine learning has organized “The Valorant gaming event” Which was a successful event that took place on **03/03/2023**. The event aimed to provide a platform for gamers to showcase their skills and enjoy the Valorant game. It featured **80 participants** (16 teams), who were organized into brackets and **played multiple matches** using gaming Laptops. The event concluded with Carry FTW emerging as the champions with Raj Utso leading the team, with the final scores of each match and other statistics recorded.



Code Crunching

- Department of Artificial Intelligence & Machine Learning has formulated an event “Coding- Crunch!!”. The event is exclusive planned to **enhance the skills of AI** Algorithm which is the **core requirement** for further endeavors to excel.



Career Guidance on NeoPAT Platform Demonstration

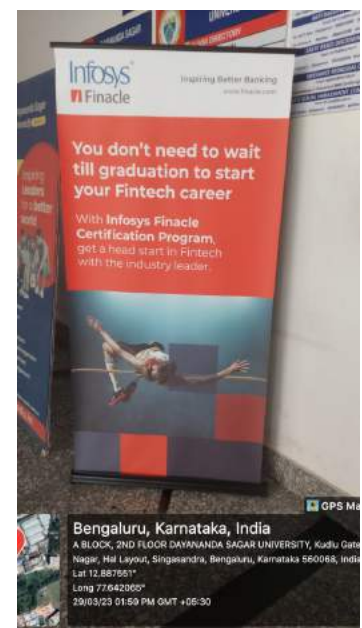
- In order to **succeed in academic and professional endeavors**, it is crucial to stay focused and up-to-date with the latest information in your field of study. To facilitate this, Dayananda Sagar University has created an exclusive group for the **2024 batch students**, which will provide you with access to a wealth of valuable resources, including course details, new programs, toppers list, industry happenings, EdTech news, and most importantly, placement tips. **28th March 2023** Department of AIML Students took the advantage of this career guidance organized by NeoPAT.



Career Guidance on Edge Verve – Finacle Certification program

Program Highlights :

1. Edge Verve will **guide & train** the students to clear the online test.
2. Those who clear the online test and get selected, we undergo **free training** on the Full Stock Development / Finacle certification programme during the 6th & 7th Semester
3. **Stipend paid** is Rs. 15000 to 20000/- and CTC is 4 to 8 LPA (depending on job role)



STAFF ACHIEVEMENTS



Dr. Jayavrinda Vrindavanam,

Professor and Chairperson

- Department of CSE (AI & ML), DSU has Delivered a Offline technical talk on 29/03/2023, Topic **"Machine learning current trends and prospects"** to 3rd year IT students of Finolex engineering college, Ratnagiri, Maharashtra.



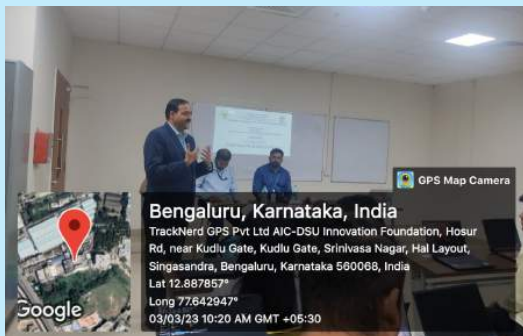
Department of Computer Science & Engineering

(Cyber Security)

Boot Camp on Cyber Security and Ethical Hacking

- The Department of Computer Science and Engineering (Cyber Security) organized the **Boot Camp** on "Cyber Security and Ethical Hacking" on **3rd Mar 2023** in association with TechByHeart, Software Services and Cyber Security Consultants, Kochi, Kerala. The targeted audience were sixth-semester students of Computer Science and Engineering (Cyber Security). They studied Ethical Hacking as a theory subject in IV Semester but there was no practical. So, to have some practical knowledge on **Ethical Hacking** this Boot Camp organized and it met the requirements.

The poster is for a boot camp organized by the School of Engineering (Cyber Security) at Dayananda Sagar University. It is in association with TechByHeart, Software Services and Cyber Security Consultants Kochi, Kerala. The event is titled "One Day Boot Camp On Cyber Security & Ethical Hacking". It features two resource persons: Sreenath Gopinath, Associate Member at National Cyber Safety and Security Standard, New Delhi, and Dhanoop R., Associate Member at National Cyber Safety and Security Standard, New Delhi. The date is 3rd March 2023, from 09:30 AM to 04:30 PM, at venue F-146. Organizers are Prof. Ranjima P, Prof. Naveen Kulkarni, Assistant Professors, CSE(CY), SoE, DSU. Conveners are Dr. Udaya Kumar Reddy K R, Dean, SoE, DSU, and Dr. Kiran B. Malagi, Chairman, CSE(CY), SoE, DSU.



The session is inaugurated by **Dr. Kiran B Malagi**, Chairperson, CSE (Cyber Security), SoE, DSU. Mr. Sreenath Gopinath, Director & CMO -Techbyheart India pvt. Ltd. Kochi and Associate Member of National Cyber Safety & Security Standard, New Delhi and Mr. Dhanoop R., Associate Member of National Cyber Safety & Security Standard, New Delhi Conducted the workshop.



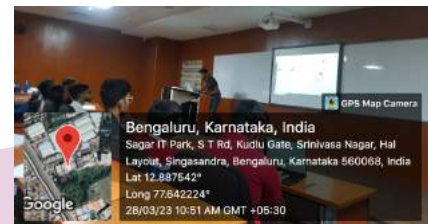
Seminar on IEEE Student Membership Awareness

- Department of Computer Science and Engineering (Cyber Security) organized seminar on IEEE membership awareness on **31st March 2023** from **9.45am to 10.45am** for fourth semester students. Dr. Pushpamala S., Execom Member, IEEE, Associate Professor, Department of Electronics and Communication Engineering explained the **importance** and **benefits** of having student membership of IEEE and how to get membership.



Pre-Placement Training and NeoPat Demo Session

- Training and Placement office organized preplacement and NeoPat Demo session for 6th semester students of Computer Science and Engineering (Cyber Security) Students on 28th March, 2023. **NeoPat representatives** explained how to **prepare for campus interviews**, current job market, usage of NeoPat platform and how to courses and tests etc.



Webinar on CyberSkool

In association with Training and Placement office a webinar from CyberSkool was organized for students of Department of Computer Science and Engineering (Cyber Security) on **31st March, 2023** from **11.30am to 1pm**. Webinar was on Cyber Safety and Awareness by KOO, CERT-In & CyberPease Foundation. The topics covered during session were:

- Cyber Security and Its importance
- The challenges in Cyber World
- Cyber Crimes
- Online Woman Safety
- Cyber Ethics and Preventive Measures
- Reporting





Department of Computer Science & Engineering

(Data Science)

A Quiz on Data Science Applications and its Use Cases "RAPID MINER COMBAT"

- Under the DataScience@DSU CLUB, in association with CSI, and Altair Engineering. The Department of Computer Science & Engineering (Data Science) organized a Quiz on Data Science Applications and its Use Cases "**RAPID MINER COMBAT**", on **1st march, 2023** from 11 AM. The organizers for the workshop were Dr. Shaila S G, Chairperson, Dept. of CSE (DS), Prof. Shivamma D, Assistant Professor, Prof. Monish L, Assistant Professor and Dr. Kakoli Bora, Associate Professor.
- Overall, the **Altair workshop** provided a **valuable opportunity** to discuss various issues surrounding data privacy in the real world and allowed participants to understand where they stood in relation to data science disciplines. The quiz covered a range of topics such as data mining, machine learning, and artificial intelligence.



Industry Visit - "ISRO-ISTRAC"

One-day Industrial Visit to **ISRO Telemetry, Tracking and Command Network (ISTRAC)**, Bengaluru, was organized by the Department of CSE (Data Science), on 2nd March 2023 organized by Dr. Shaila S G, Professor and Chairperson, Dept. of CSE (Data Science) and Prof. Shivamma D, Assistant Professor, Dept. of CSE (DS). The visit was undertaken by **47 students** of 6th semester, accompanied by 3 faculty members. ISRO Telemetry Tracking and Command Network (ISTRAC), Bengaluru, is entrusted with the major responsibility to provide tracking support for all the satellite and launch vehicle Missions of ISRO.

Mr B Sankar Madaswamy, Scientist/Engineer-SF, Manager welcomed the students at the venue. The students were first taken to an auditorium, and a video of the achievements of ISTRAC and **Mars Orbiter Mission (MOM)**, which was **India's first mission to Mars**, was shown there.



A Session by Placement Cell - "Campus to Corporate"

- The DataScience@DSU club, Department of Computer Science Engineering (Data Science) has successfully organized a - A Session by Placement Cell "Campus to Corporate" on **3rd March, 2023** organized by Dr. Shaila S G, Professor and Chairperson, Dept. of CSE (Data Science) and Prof. Shivamma D, Assistant Professor, Dept. of CSE (DS). The targeted audience was 1st and **2nd year students** of the Department of CSE (Data Science). The session was organized in offline mode. Around **45+ students** were attended the session

Resource Person: Vijay Kumar

- Deputy Director Training, Placement & Skill Development SOE. DSU



"Women's Day Celebration"

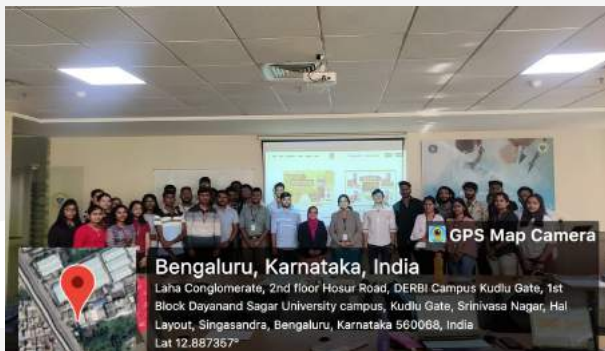
The DataScience@DSU club, Department of Computer Science Engineering (Data Science) has successfully organized a "Women's Day Celebration" on **8th March, 2023** organized by **Dr. Shaila S G**, Professor and Chairperson, Dept. of CSE (Data Science) and Prof. Shivamma D. The targeted audience was Faculties and students of the Department.

The Women's Day celebration began with a speech by the chairperson who highlighted the **importance of women's empowerment** and urged students to recognize and appreciate the contributions of women in society.



Workshop on Frameworks for Web Development - "WEB DEV"

- **The DataScience@DSU Club**, the Department of CSE (Data Science) organized a Workshop on Frameworks for Web Development "WEB DEV" held on **21th March 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 Dr. Gousia Thahniyath gave an **insight on web programming**, the session started with introduction to basic HTML and CSS. The basic tags and CSS styles required to design a website were taught in the morning session. Further in the afternoon session the FSD club student coordinators assisted the participants in **designing a sample website**, the students designed a website for Burger promotion.



A Demo Session by Placement Cell - "NeoPAT Platform"

DataScience@DSU club, Department of Computer Science and Engineering (Data Science) has successfully organized a, A Demo Session by Placement Cell "**NeoPAT**" on **28th March, 2023** organized by Dr. Shaila S G, Professor and Chairperson, Dept. of CSE (Data Science), Dr. Vijay Kumar, Deputy Director, DSU and Prof. Shivamma D, Assistant Professor, Dept. of CSE (DS) . The targeted audience was 3rd year students of the Department of CSE (Data Science). The session was organized in offline mode. Around **45+ students** were attended the session

To improve their **chances of success**, students are encouraged to earn badges and super badges by completing multiple assessments for each course. These assessments cover a wide range of topics, including coding assessments and fundamental language concepts.

Resource Person: Mr. Praneshwar

- L1 Member- Customer Success Team at iamneo.ai



A Session by Placement Cell - "The Infosys Fincle Certification Program"

The **DataScience@DSU club**, Department of Computer Science Engineering (Data Science) has successfully organized a "The Infosys Fincle Certification Program" on **29th March, 2023** organized by Dr. Shaila S G, Professor and Chairperson, Dept. of CSE (Data Science), Dr. Vijay Kumar, Deputy Director, DSU and Prof. Shivamma D, Assistant Professor, Dept. of CSE (DS). The targeted audience was 3rd year students of the Department of CSE (Data Science). The session was organized in offline mode. Around **45+ students** were attended the session

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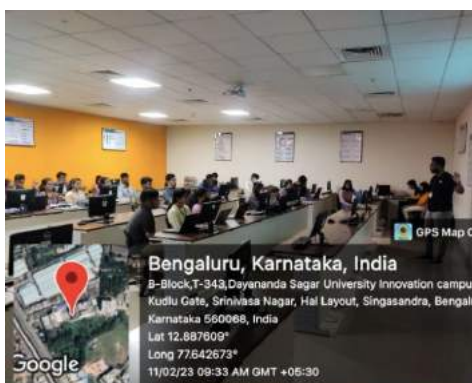
1. **Puneet Chhahira**, Vice president Head of Product Management and Marketing at Infosys Fincle
2. **S Karthik V R**, Business Manager – Learning and Development, at Infosys Fincle



Altair & Rapid Miner - Tools, Training and Certification

Altair and Rapid Miner **Training** and **certification** was organized by Department of CSE (DS) in association with **Altair One**. The training was organized to all the students and faculties of the department. Dedicated classroom hours have been assigned to the **Altair training** in the Timetable.

Dr. Shaila SG, Professor and Chairperson, Dept. of CSE (Data Science) and **Prof Monish L**, Assistant Professor, Dept. of CSE (DS) are the faculty coordinators for Altair Training.



A Session by Placement Cell - "The Infosys Fincle Certification Program"

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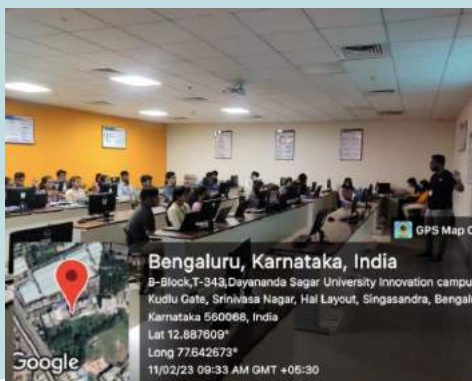
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STAFF ACHIEVEMENT



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

- Rapid Miner Academy awarded certification in " Applications & Use Cases Professional Certification" On March 3, 2023.



Prof. Shivamma D – Assistant Professor

- Rapid Miner Academy awarded certification in " Applications & Use Cases Professional Certification" On March 1, 2023.



Prof. Monish L – Assistant Professor

- Rapid Miner Academy awarded certification in " Applications & Use Cases Professional Certification" On March 3, 2023.



Prof. Sindhu – Assistant Professor

- Simplilearn awarded certification in " Artificial Intelligence certification" On March 28, 2023.



**Department of Electronics &
Communication Engineering**

Report on the International Women's Day

On the occasion of the International Women's Day on **8th March 2023**, which was organized by the Department of Electronics and Communication Engineering with all the **faculty members** and the **students**. The event was hosted by **Prof. Nandini**, Assistant Professor as the event started, housekeeping staff of the college were invited and **thanked each one of them** who are helping us every day.

Next off, the girls with the beautiful shades of pink gave a talk about the women power and won surprising prizes which was judged by **Dr. Pushpa P V** and **Dr. Saara**, followed by which Dr. Pusphamala ma'am gave an inspiring speech about the women empowerment and awareness about the women cell in Karnataka and **IEEE membership** that each faculty and student should take up. Lastly the event was concluded by taking up a pledge and a walk around the campus



REPORT ON 'AROHANA'- CAREER COUNSELLING PROGRAM

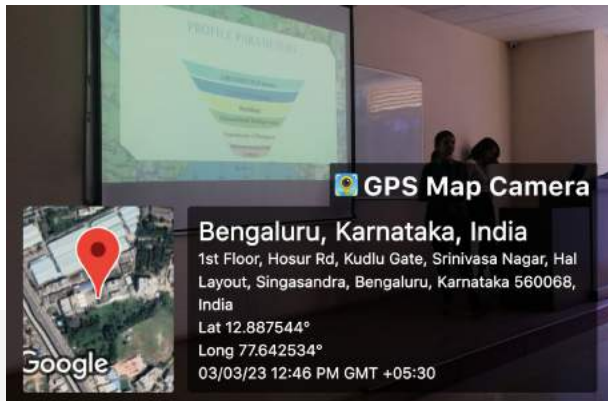
On **4th March 2023**, 'Arohana' – a career counselling program was organized by Prof. Nandini G Rao and Prof. Shwetha M P of Electronics and Communication Department under the Guidance of Department Chairman Dr. Theodore Chandra of Dayananda Sagar University. The aim of this program was that the students who are working in MNC's or pursuing Master's after their Bachelor's Degree come and explain what are the points and information to keep in the mind from the **perspective of working in a company** or pursuing **Master's Degree**.

Akash Suresh who is an **Alumni** of Dayananda Sagar University had Graduated in the year 2021-22 in B. Tech under Electronics and Communication had come and shared his process flow as he is currently working in **Genser Aerospace & IT Pvt Ltd.** Company as a Design Engineer, he had mention points about maintaining a network in platforms like LinkedIn, Glassdoor etc., what is the difference between a resume and a CV? And many more... where he had covered majority of the points which are worth to be remembered.



REPORT ON TEXAS REVIEW

- On **3rd March 2023**, A team from Texas Review came to Dayananda Sagar University to discuss the points and procedure for pursuing **Master's Degree in Abroad**. They team from Texas Review lead by Ms. Shruti G [Manager – Admissions Counselling Services] had discussed about the importance of **Abroad Education**, what are its advantages, they had discussed how they assist students in order to get admission in their university of preference in the country which they(students) want. They discussed about test preparations for test like **GRE, GMAT, IELTS etc**. They have touched upon the points for the Application cycle for Masters in countries like UK, Australia, Germany, U.S.A, Canada. They are different breaks for the universities in these countries where the applicant can join the college like Summer, Spring, Winter. The team from Texas Review had covered most of the points about pursuing Masters from Abroad and what will be the Advantages of it and so on and so forth!!



A REPORT ON VISIT OF IMS GATE ACADEMY

- On **14th February 2023**, IMS Gate Academy came to Dayananda Sagar University in order to educate the students on what is the procedure in order to get a master's degree in their respective field and from the University which students desire. There were lot of information and stats which was given and shown to the students so they could understand why giving **GATE exam** is beneficial for student's **bright future**. Many students found this talk beneficial and they are looking towards to remember the points which will help them to crack GATE exam!!



RANGOLI CONTEST

- On the occasion of **DSU cultural day celebration**, KALAKSHETRA @SOE (Cultural Club - SOE) and Dept. of ECE organized a Rangoli Competition on **07th of March 2023**.
- Students from **various departments** had participated to show off their skills. There were about 10 teams and each team had four members, each team had various themes which added some more beauty to their designs. A time duration of **1 hour** was given to all the teams to complete the Rangoli.
- Event started around **2:30pm** and was concluded by **4:00pm**. The Rangoli contest was judged by Dr. Saara K of Dept. of ECE and Prof. Shwetha GS and Dept of CSC. The event took place under the guidance of Prof. Navya R, Cultural Coordinator, Dept. of ECE.



SINGING CONTEST

- To hone the singing skills of the students, a **Singing competition** was organized on **03-03-2023** by the Department of Electronics and Communication in association with **Kalakshetra@SOE**, Cultural Club DSU, at the **Canopy Hall**.
-
- The competition was held in three categories: Semi classical, Western and Classical. About 35 participants took part in the event and showcased their skills through **energetic performances**.
- Prof. Manasa K R, Dept. of ECE, and Dr. Baishali Garai, Dept. of Physics were the judges for the event. The event took place under the guidance of **Prof. Navya R**, Cultural Coordinator, Dept. of ECE.





Department of Aerospace Engineering

Symposium on Applications of Shockwaves in Science, Medicine and Engineering

- A 5-day Symposium was organized together with Chandramma Dayananda Sagar Institute of Medical Education and Research (**CDSIMER**), featuring multi-disciplinary special lectures in these areas from **05 March to 10 March**. The topics covered under medical discipline included needleless **drug delivery** and **treatment of diabetic wounds** using shock waves.
- Several **Faculty Member** and **students** of CDSIMER **actively participated** in the discussions and demonstration of hand-held device for generation of shockwaves which could be employed in novel treatment of diseases. The activity included technical visits to the Wind Tunnel Center of **CSIR-National Aerospace Laboratories** and to the Laboratory for Hypersonic Shockwave Research, Department of Aerospace Engineering, IISc. A detailed report on the Symposium is attached with this note. The Department thanks the Management for wholeheartedly supporting this activity.



Participation in the “Experiments in Flight” Programme conducted by IIT Kanpur

- **22 students** and **one Faculty member** participated in the programme conducted by IIT Kanpur during **13-23 March**. The programme comprised **theory classes**, experiments on an aircraft on ground, experiments in flight and a viva-voce examination. The training forms an **important component** of the subject on **Aircraft Performance, Stability and Control** being studied by the students of the Department.





Ramanavami Celebration

- Students of the Department celebrated Ramanavami on **30 March 2023**, with active participation from students and Faculty members of other Departments. Highlight of the event was the release of the Bi-Annual Report “**Prathibimba**” of the Department. Copy of the released document is attached with this note.
- Guest lecture by Dr Prashanth Kumar, Senior Scientist, CSIR-Central Scientific Instruments Organization
- Dr Prashantha Kumar presented a **Guest Lecture** on "Challenges in Technology Commercialization in Public R&D Institutions". He also highlighted the design and development on **Head-Up Display (HUD)** being used on the **LCA Tejas aircraft**.



STUDENTS ACHIEVEMENTS

- **Mr Ganesh Shetty**, 8th Sem-AE received placement with an offer of 27LPA, the highest package in DSU.
- **Mr Rohit S.** 8th Sem-AE secured All India Rank of 191 in the GATE examinations for higher education.
- **Mr Harsh Priyanshu.** 8th Sem-AE has secured a job as Air Navigation and Flight Dispatcher Trainee under Flight Operations Department of Air India



Department of Physics

FACULTY ACHIEVEMENT



- Dr. MVH Rao presented a paper on "Materials and Coatings for Electro-Optics in Space" at International Materials Conclave (IMC)-2023, March 8-10, 2023 organized by Centre for Materials for Electronics Technology, Pune, India on the occasion of its 33rd Foundation Day in collaboration with Materials Research Society of India.



- Dr. Suresh Pittala has delivered an invited talk "On the applications of Multiferroics for novel devices" in the National Conference on Recent Advances in Functional Materials. sponsored by Science and Engineering Research Board (SERB), GoI, New Delhi, held at the Vignan's Foundation for Science, Technology & Research (Deemed to be University) Vadlamudi, Guntur, Andhra Pradesh, during 24 - 25 March 2023.





Department of Computer Applications

Coding Challenge

- The Department of Computer Applications conducted the **coding event** named “Challenge with Code” on **07/03/2023** for the students of **I year, II-year BCA** and **I year MCA** to promote **programming skills** among students and making soft tricks to find errors in programmes.
- Students were asked to **solve all types of errors** with correct output of the programme in minimum time to win the competition. The participants have been overwhelmed with fun and enthusiasm **solving the issues** in the code. The Convener of the event, Dr.Vasanthi Kumari.P and the Co-Convenor Dr.Pavithra K took the initiative of the event and made it grand success with the help of organizing team, students of **final year BCA** made sure fair practices were followed throughout the event.



“Women’s Day”

- International Women's Day, **March 8th** of every year, is an occasion to celebrate the progress made towards achieving gender equality and women's empowerment but also to critically reflect on those accomplishments and strive for a **greater momentum** towards gender equality worldwide.
- On International Women’s Day, Prof. Sumana SG and Dr. Rekha Nair, from the Department of Computer Applications at Dayananda Sagar University organized “**Women’s Day**” event on **11th March’ 2023** under assistance of Chairperson Dr. Vasanthi Kumari P.
- Our Chairperson Dr. Vasanthi Kumari P and Chairperson of Data Science Dr. Shaila SG, inaugurated the event and **inspired students** with their motivational speech and raised awareness about the **status and dignity of women** among the students. Followed by it, all Profs shared their views and inspirational thoughts to make them understand the importance of Women in our lives.



Orientation program for 1st year MCA students

Department of Computer Applications conducted '**Orientation program**' for new entrants of 1st year MCA students on **18th January 2023** at 9.30 AM at Gallery Hall, Block A. Students were welcomed by the class advisor, Prof.Padmageetha BG followed by the orientation by Dr.Vasantha Kumari madam, Chairperson, Dept. of CA. The students **got the insight of the DSU and academic information in depth**. Other faculty members spoke about the various club activities. Few final year MCA students shared their experience of their stay. The session was ended by refreshment.



Tech Talk

A one-day technical talk on "**Trace of IT over a decade**" was organized by the CA department at the gallery hall-3 on Tuesday, **19th Jan 2023**. Dr. Vasanthi Kumari P (HOD, CA department) welcomed the guest and introduced the programme to all. The technical talk was chaired by Mr. Srikanth, Founder/Director of Executables Pvt. Ltd. On account of the technical talk on "Trace of IT over a decade" the resource person spoke briefly on emerging trends on evolving data & development with the recent technologies and also told about programming skills that students require to **compete in the emerging technical world**. He motivated the students to eagerly participate in the events. The technical talk was very interesting and gave the opportunity to discuss recent technologies. The basic idea of this event is to enhance the knowledge about Mobile applications to all the participants. The program was successfully concluded with **a formal vote of thanks** by Prof. Padma Geetha, Associate Professor to the resource person and to all the participants.



“Stand-Up Comedy Competition”

- On the occasion of **University Level Competition**, Prof. Sumana SG faculty of Department of Computer Applications at Dayananda Sagar University organized “Stand-Up Comedy” show on **1st March 2023** in association with the School of Engineering, wherein students participated in Stand-Up Comedy and entertained the crowd.
- Students from different departments **enthusiastically performed** Stand-Up Comedy, with very **creative content**. They entertained the large crowd in the College Canopy Hall. The competitors were **judged on Originality and creativity**, delivery and timing, content and material and overall presentation of the show



“Reels – Life in DSU Campus”

The Department of Computer Applications organized “Reels – Life in DSU Campus” at Dayananda Sagar University on 2nd March 2023 in association with the School of Engineering, where students shared Reels which depicted students’ life in DSU Campus in 1min 30 Sec.

Emerging Trends in Robotics and IoT

- On **16th March 2023**, Dayananda Sagar University had the pleasure of hosting Mr. Dhananjay Singh, the **founder of Roboprenr**, an educational venture focused on building future tech creators and innovators. He is an **IIT Roorkee graduate** with a deep understanding of a wide range of technologies for web, mobile, server-side development, and hardware technologies like robotics and IoT.
- **Mr. Singh** emphasized the importance of **upskilling oneself** for the future, especially due to the fear of automation. He talked about getting internships, upskilling oneself, and reading books like "**The 5 AM Club**" by Robin Sharma and "School of Greatness" by Lewis Howes. Mr. Singh urged the audience to **develop their personalities** and **influence** while using various tools like **ChatGPT**.



“Career counselling and Innovative Aboard Educational Programs”

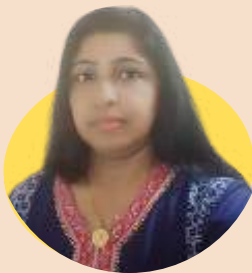
- The Department of Computer Applications conducted a **Guest Lecture** “Exclusive Prospect of Career counselling and Innovative Aboard Educational Programs” organized by Dr.Pavithra.K on **28/03/2023**. The Guest Lecture benefited around **160 participants** from BCA and MCA. This talk touch on the subject of Career counselling and Aboard Educational
- Programs to create awareness regarding the same among students. **Career counselling** and aboard **educational programs requirements** and eligibility were well explained by our
- **Resource person Rajgeetha Balamurali**,
Head - Academics, L&D | IELTS, SAT, Leap GeeBee.



STAFF ACHIEVEMENT



- **Dr. Sandhya Madhuri** has received the best thesis award from **Sri Padmavati Mahila Visvavidyalayam**.



- **Dr. Rekha R. Nair** published paper on title -
 - a. Analysis and Classification of Restaurants Based on Rating with **XGBoost Model**.
 - b. Automated Detection of Diabetic Retinopathy using Deep Learning in **Retinal Fundus Images**:
 - c. Audio to Sign Language conversion using **Natural Language Processing**
 - d. Evaluation of **Subjective Answers** Using Machine Learning.
 - e. **Detection of Tuberculosis** using a Multi-model Classification Approach on CXR Images.
 - f. Secure **Remote Health Monitoring** System and assessment using IOT.
- **Dr. Rekha R. Nair** has won the best Research Paper Award - **ATMA 2023**.

STUDENT ACHIEVEMENT

- **Vishnu Vilasini S** Student of **BCA 4th sem** has received the **best Research Paper Award - ATMA 2023**

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