Dayananda Sagar University

School of Engineering

Department of Computer Science and Engineering (Data Science)

EVENTS

2022 - 2023

Workshop on "**Revolutionary Data Analysis and Predictive Power for Business World Using Tableau and Power BI"**

Date: 22nd February, 2023

The DataScience@DSU club, Department of Computer Science Engineering (Data Science) has successfully organized a workshop on **"Revolutionary Data Analysis and Predictive Power for Business World Using Tableau and Power BI".** The targeted audience was 2nd & 3rd year students of the Department of CSE (Data Science). The session was organized in offline mode. Around 40+ students were attended the workshop

Resource Person: Gauthami B E
CTO And Co-founder
Cybersafe Bangalore

Event Brochure:

The Takeaways of the event:

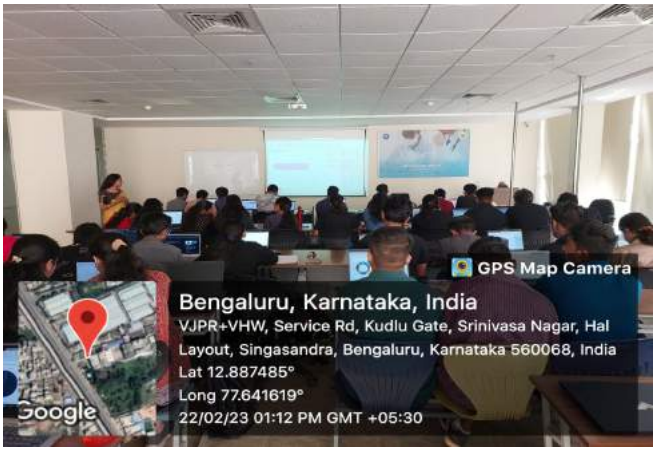
1. Understanding of data visualization principles both in PowerBI and Tableau

2. Enable students to comprehend the greatest procedures for producing efficient visualisations

3. Expertise in using Power BI and Tableau numerous features and functionalities, including data import, dashboard creation, and advanced analytics.

4. Experience with data analysis methods using actual world data

Few Glimpses:



“CODEATHON C - 2023"

Hands-On Workshop with Tips and Tricks for Competitive Coding

Date: 11th FEB, 2023

The DataScience@DSU club, Department of Computer Science Engineering (Data Science) has successfully organized a **“CODEATHON-C".** Hands-On Workshop with Tips and Tricks for Competitive Coding. The targeted audience were 1st year students of the Department of Data Science. Around 60+ students were registered for the Codeathon-C and 30+ students attended the Codeathon-C.

Resource Person: **In-House Faculties and Student Coordinators**

Event Brochure:

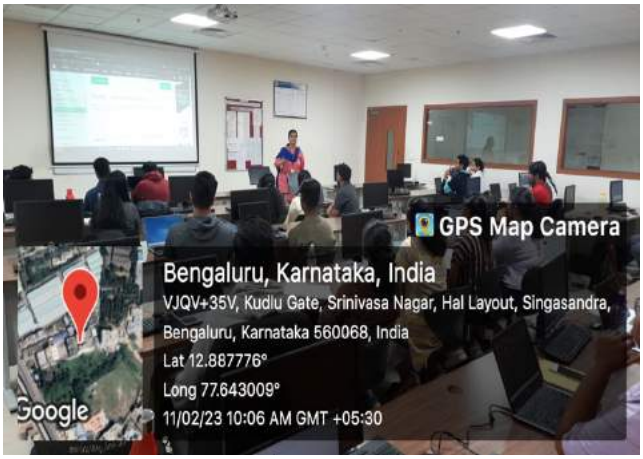
The event covered Introduction to C programming and topics like Arrays, pointers, Functions, Structures, Union, file system. The session has proven to be very inspiring and informative for the students.

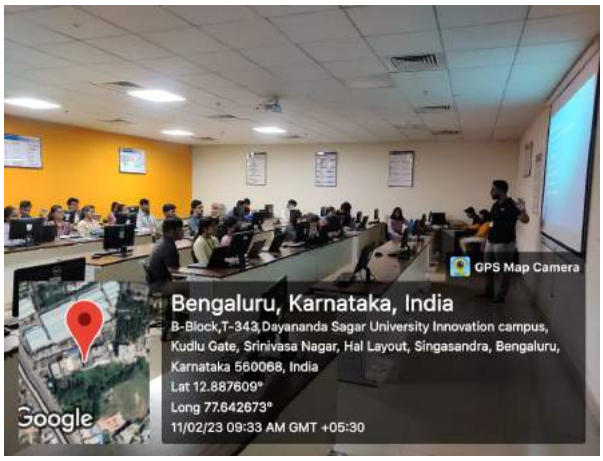
Education goals:

- Understanding the basics of C programming
- To be able to implement basic C programs
- Understand the programming logic behind every program
- Introduction to competitive programming

Learning achievements:

- Students got a basic idea about c programming
- The presentation was incorporated sample programs and followed by practice problems
- Practiced advanced C programming
- Students learnt optimized coding





A Session by Placement Cell

"Campus to Corporate"

Date: 07 February, 2023

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

The session began with an overview of the placement records for the 2021 and 2022 batches, including package details. The speaker also discussed the annual campus recruitment process, outlining the eligibility criteria and necessary skills for participation.

In addition, a new platform called NEOPAT was introduced, which provides learning resources

and enables students to take part in codeathons and hackathons. Students will be placed into various salary brackets based on their skill levels. The speaker also stressed the importance of creating a resume.

Objective of the Training

The primary aim of the training program is to familiarize campus students with corporate culture.

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

Event Brochure:

Few glimpses:

Tech Talk on
"WEB 3.0- Internet of the Future"
Date: 10th February, 2023

The DataScience@DSU club, Department of Computer Science Engineering (Data Science) in association with CSI has successfully organized a Tech Talk on **"Web 3.0- Internet of the Future"**. The targeted audience were 1st, 3rd and 6th Semester students of CSE (DS). Around 50+ students were registered and attended the tech talk.

The Takeaways of the event are:

1. Understanding the features of Web 3.0, transformation from web 2.0 to 3.0 for the third generation.
2. Redefining the web experience with structural changes to ensure democratization across all aspects of the internet.
3. Web 3.0 promises for present Business modes wrt artificial intelligence, cryptocurrency and blockchain technology.

Resource Person:

Mr. Ashwin Prased, Tech Lead @FLAQ
Mr. Muaaz Khan, Operations Lead @FLAQ

Event Brochure:

Few glimpses:

A Session by Placement Cell

"Campus to Corporate"

Date: 3rd March, 2023

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

Event Brochure:

Dayananda Sagar University

School of Engineering, Kudlu Gate , Bengaluru - 560068

Department of Computer Science and Engineering (Data Science)

In association with

DataScience@DSU Club

Is Organising

A Session by Placement Cell

"Campus to Corporate"

For 1st and 2nd Year Students

Resource Person:

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

Date : 03.03.2023

Venue : GE Healthcare 'A' Block, SOE, DSU

Organizers:

Prof. Shivamma D
Assistant Professor
Dept. of CSE(DS)

Dr. Shaila S.G
Professor & Chairperson
Dept. of CSE(DS)

Dr. Udaya Kumar Reddy K R
Dean - School of Engineering
Professor, Dept. of CSE, DSU

Few glimpses:

A Session by Placement Cell

"The Infosys Finacle Certification Program"

Date: 29th March, 2023

The DataScience@DSU club, Department of Computer Science Engineering (Data Science) has successfully organized a "**The Infosys Finacle 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

The speaker gave an introduction about the Infosys Finacle Certification Program is a certification program offered by Infosys, a global leader in next-generation digital services and consulting. The program is designed to provide students with comprehensive knowledge and skills required to develop and manage banking solutions using the Infosys Finacle platform. The program is divided into two parts: the Foundation Program and the Advanced Program. The Foundation Program provides students with an overview of the Finacle platform, including its architecture, modules, and functionalities. It also covers basic concepts in banking, such as financial accounting, customer management, and transaction processing. The Advanced Program builds upon the foundation program, delving deeper into the technical aspects of the Finacle platform. It covers topics such as customization, integration, and testing of Finacle solutions.

To participate in the program, students must be enrolled in a recognized academic institution and have a basic understanding of banking and financial services. The program is open to students pursuing degrees in engineering, computer science, and related fields. The program is offered online and includes self-paced learning modules, live webinars, and hands-on training sessions. Upon completion of the program, students are awarded a certification that demonstrates their expertise in the Finacle platform.

The certification program provides students with a valuable opportunity to gain practical knowledge and skills in the banking and financial services domain. It also enhances their employability, making them more attractive to potential employers in the industry. Overall, the Infosys Finacle Certification Program for students is an excellent initiative that provides students with the necessary skills and knowledge to succeed in the dynamic and fast-paced world of banking and financial services.

Objective of the Training:

1. To provide comprehensive knowledge and skills required to develop and manage banking solutions using the Infosys Finacle platform.
2. To enhance the employability of students by providing them with practical knowledge and skills in the banking and financial services domain.

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

Few glimpses:

Tech Talk on

"Unlocking the Potential of Chat GPT for Data Science"

Date: 31th March, 2023

The DataScience@DSU club, Department of Computer Science Engineering (Data Science) in association with CSI has successfully organized a Tech Talk on **"Unlocking the Potential of Chat GPT for Data Science".** The targeted audience were 4th and 6th Semester students of CSE (DS). Around 60+ students were registered and attended the tech talk.

The Speaker **Ms. Reshma R** gave an insight on Chat GPT and its underlying technology. The session started with an introduction to the Evolution of Chat GPT and the various models used to develop it. The speaker talked about the differences between GPT3 and GPT3.5, what are the various applications Chat GPT is used for and what could be in the future.

At the end of the talk an evaluation was carried out and the students submitted great feedback.

Resource Person: Reshma R, Research SDE @ Microsoft SDE, India

The Takeaways of the event are:

1. Learning about ChatGPT can help data scientists understand natural language processing.
2. ChatGPT is based on machine learning techniques like deep learning and neural networks.
3. Learning about ChatGPT can aid in interpreting the model and identifying areas for improvement.

Dayananda Sagar University

School of Engineering, Kudlu Gate, Hosur road
Bengaluru – 560068

Department of Computer Science and Engineering
(Data Science)
In association with
CSI and DataScience@DSU Club is organizing

A Tech Talk on

Unlocking the Potential of Chat GPT for Data Science

Resource person: Reshma R,
Research SDE at Microsoft research India

Registration Link :
https://forms.gle/Gnedww5UrtaPTRTS88

Venue:
GE Healthcare Lab, A Block

Date & Time:
31.03.2023, 11:00 am to 1:00pm

Target Audience:
4th & 6th Semester Data Science Students

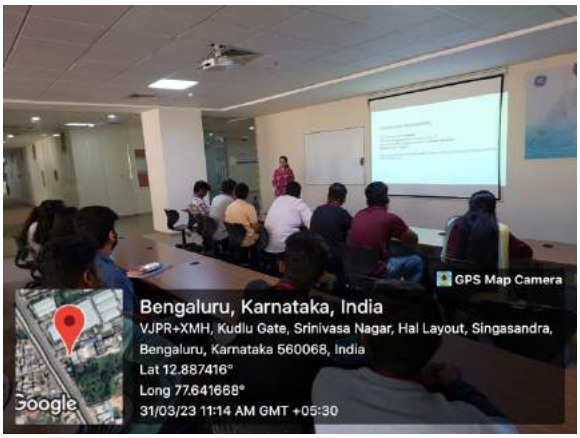
Organizers:

Dr. Shaila S G
Professor & Chairperson
Dept.of CSE (DS), SOE, DSU

Dr. Kakoli Bora
Associate Professor
Dept.of CSE (DS), SOE, DSU

Monish L
Assisatant Professor
Dept.of CSE (DS), SOE, DSU

Few glimpses:



"Pre Placement Training - Communication skills"
Date: 6th April, 2023

The DataScience@DSU club, Department of Computer Science Engineering (Data Science) has successfully organized a Pre-Placement training "Communication Skills" on 6th April, 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 2nd year students of the Department of CSE (Data Science). The session was organized in offline mode. Around 45+ students were attended the session

Effective communication skills are an essential requirement for success in the workplace. For students preparing for pre-placement, it is crucial to develop and improve their communication skills to increase their chances of success in their future careers.

Resource Person: Shashirekha
Training & Skill Development

Objective of the Training

1. To enhance the ability to express ideas and thoughts effectively
2. To develop active listening skills
3. To build the confidence and assertiveness

Few Glimpses

Motivational talk on

"Transforming Dreams into Reality: The Roadmap to Success"
Date: 12th May, 2023

The DataScience@DSU Club, the Department of CSE (Data Science) organized a Motivational Talk on **Transforming Dreams into Reality: The Roadmap to Success"** held on 12th May, 2023 organized by Dr. Shaila S G, Professor and Chairperson, Dept. of CSE (Data Science), Prof. Shivamma D, Assistant Professor, Dept. of CSE (Data Science).

The Speaker **M K Krishna** emphasized the importance of self-belief and confidence. They highlighted that believing in oneself is the first step towards achieving any goal. Various techniques and practices were shared to boost self-confidence and develop a positive mindset.

The talk focused on goal setting and the significance of defining clear and specific objectives. The speaker provided practical tips for setting realistic and achievable goals, breaking them down into actionable steps, and creating a timeline for their attainment. They stressed the importance of aligning goals with personal values and aspirations.

At the end of the talk an evaluation was carried out and the students submitted great feedback.

Keynote Speaker: Sri M K Krishna, Founder President, GGGC (Giant's Group of Garden City), Bangalore.

The objective of the talk is:
* The speaker inspired the students with bigger dreams and to chase them.
* The speaker gave lot of tips and tricks to reach their academic goals with enthusiasm and dedication.
* The speaker talked about joy of learning and to develop a mindset to accept the challenges to reach their career goals.
* The Speaker has shared his insights and experiences about personal development, changes, adaptability, growth and how to face them in their corporate life.

Number of students Participated: 81 students

Few Glimpses

Project Expo
"MINDSPARK – 2023" Team of Tangents
Date: 17th May, 2023

The 2nd year (4th Semester) and 3rd year (6th Semester) Project Expo **"MINDSPARK - 2023"** Team of Tangents was conducted on 17th May, 2023 in the Department of Computer Science and Engineering (Data Science), SOE, Dayananda Sagar University. The entire event was planned and organized by Dr. Shaila S G, Professor and Chairperson, Dept. of CSE (DS), Prof. Shivamma D, Assistant Professor and Prof. Shahwar Ara Kamal S, Assistant Professor, Dept. of CSE (DS).

Project Expo "MINDSPARK - 2023" Team of Tangents was inaugurated by the Chief Guest **Mr. Sunil Kumar** - Director of operations, Asia, Inheaden and **Mr. Dennis Kohl** - CEO, Inheaden, Germany

Expert Panel:

1. **Narasimha Sarovar,** Global Senior Product Manager, Johnson Controls, Bangalore
2. **Ashraff Sankanal,** Senior Data Scientist, Altair, Bangalore.

Special Guest:

1. **Dr. K N B Murthy**, Vice Chancellor, DSU

2. **Dr. Amit Bhatt,** Pro-Vice Chancellor, DSU
3. **Dr. Udaya Kumar Reddy K R**, Dean, SOE, DSU
4. **Dr. M K Banga**, Dean Research, DSU
5. **Mr. Vijay Kumar**, Placement Director, DSU

Dr. Shaila S G Professor and Chairperson, Dept. of CSE (DS),Dayananda Sagar University encouraged everyone with her motivational speech and advised students to be more creative with innovative ideas and projects to address real time societal issues.

The esteemed Chief Guest, Mr. Dennis Kohl, along with Mr. Sunil Kumar and Dr. MK Banga, launched the second edition of the Data Science Newsletter titled **"DATA GLIMPSE," Volume 2 Issue 1.**

Mr. Narasimha Sarovar and Mr. Ashraff Sankanal delivered addresses to the students, emphasizing the importance of exploring opportunities and providing solutions to real-time problems in areas such as Healthcare, Agriculture, IoT, Data Science, and more.

Dr. K N B Murthy, Vice Chancellor, Dr. Amit Bhatt, Pro-Vice Chancellor, and Dr. M K Banga, Dean of Research, along with esteemed guests Mr. Sunil Kumar, Mr. Dennis Kohl, and Mr. Vijay Kumar, addressed the students, expressing their thoughts on the projects. They commended the students for their efforts and acknowledged their research work in innovative and environmentally sustainable projects. The faculty members were recognized for their guidance and support throughout the students' journey. The project expo attracted faculty members and students from various departments who visited the demonstrations and provided valuable feedback on the event.

There were about 21 projects from 3rd year students on Data Analytics by using Altair tool and 17 projects from 2nd year students on IOT. The students were asked to make poster presentations. The Projects were demonstrated and showcased in front of external and internal panel members. The experts were requested to evaluate the projects and declare the best project. The process of evaluation commenced at10:30 am and completed at 2:15 pm.

“All the projects were THE BEST, the Evaluators had a very tough time in selecting best project”.

The valedictory ceremony of the event commenced at 2:30 pm. The winners' names were announced by Prof. Shivamma D., and the prizes were distributed to all the winners of the project expo by Mr. Narasimha Sarovar and Mr. Ashraff Sankanal.

Winners:

Theme 1: IOT (4th semester students)

Place	Name	Project Title	Guide Name
1st Prize	R Prem Kumar Reddy, Rakshita R, Ushashree N	Smart Planter	Prof. Monish L
2nd Prize	Mir Khyrun Ali, Prasad, Eshwar M, Nikunj	Gesture Operated Wheelchair	Prof. Shivamma D
3rd Prize	Chaithra K, Shubham Kumar, Nivas Reddy	Alcohol Detection With Engine Locking System	Prof. Monish L

Theme 2: Data Analytics by using the tool ALTAIR (6th semester students)

Place	Name	Project Title
1st Prize	Sukrutha G and Manju Swaroop V	Unraveling Consumer Mind: Decoding E-Commerce Acquisition Intentions for Unparalleled Success
2nd Prize	Chandan M Poonacha and Rudra Narayan Chetty	Rapid Mobile Price Classifier: An Automated Approach for Mobile Price Range Classification using RapidMiner

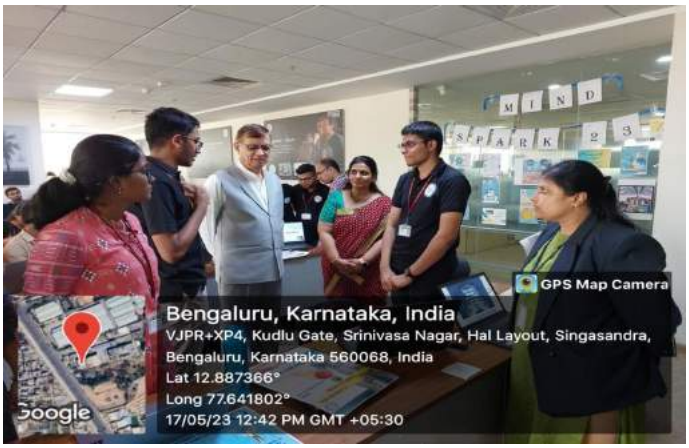
3rd Prize	Ayesha Malaika and Varun N	MediMiner: Predicting Drug Usage Patterns and Outcomes using RapidMiner Data Mining Techniques

Finally, Prof. Shivamma D. concluded the event by expressing gratitude to all the guests, students, faculty members, and project teams for their dedicated efforts in making the event a resounding success.

Objectives of the event:

The main objective of organizing the project expo is to provide the platform and unleash the potential of the students by showcasing their innovative projects based on either as Industry Define Problem or User Define Problem and provide an opportunity for the students to demonstrate their learning experience. Unique and innovative ideas were required in this event.

Glimpse of the event:



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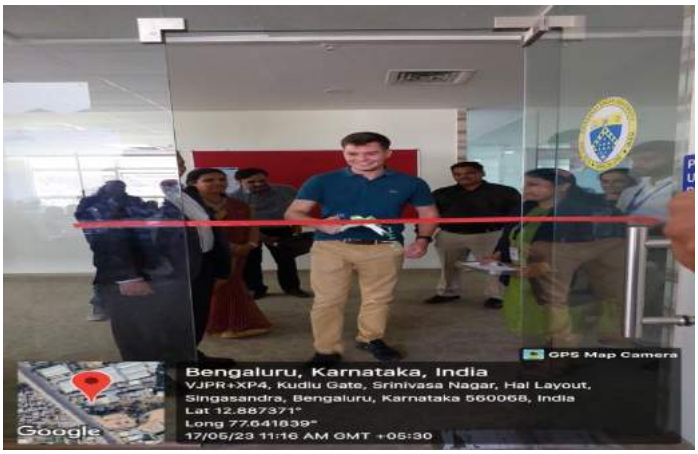
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Winners:

1st Prize (IOT)

2nd Prize (IOT)

3rd Prize (IOT)

1st Prize (Data Analytics on Altair Tool) 2nd Prize (Data Analytics on Altair Tool)

3rd Prize (Data Analytics on Altair Tool)

Industry Visit

ISRO-UR Rao Satellite Centre

6th June, 2023

One-day Industrial Visit to ISRO UR Rao Satellite Centre, Bengaluru, was organized by the Department of CSE (Data Science), on 6th June 2023 organized by Dr. Shaila S G, Professor and Chairperson, Dept. of CSE (Data Science) and Prof. Monish L, Assistant Professor, Dept. of CSE (DS). The visit was undertaken by 55 students of 4th semester, accompanied by 4 faculty members.

U R Rao Satellite Centre (URSC), Bengaluru, formerly known as ISRO Satellite Centre (ISAC) is the lead centre for building satellites and developing associated satellite technologies. These spacecrafts are used for providing applications to various users in the area of Communication, Navigation, Meteorology, Remote Sensing, Space Science and interplanetary explorations. The Centre is also pursuing advanced technologies for future missions. URSC is housed with the state-of-the-art facilities for building satellites on end-to-end basis. ISRO Satellite Integration and Test Establishment (ISITE) is equipped with state-of-the-art clean room facilities for spacecraft integration and test facilities including a 6.5 Metre thermos vacuum chamber, 29 Ton vibration facility, Compact Antenna Test Facility and acoustic test facility under one roof. Assembly, Integration and Testing of all Communication and Navigation Spacecraft is carried out at ISITE. A dedicated facility for the product ionisation of standardised subsystems is established at ISITE.
URSC has a unit called Laboratory for Electro Optics System (LEOS), which is situated in Peenya, Bengaluru and is mainly responsible for research, development and product ionisation of Sensors for ISRO programmes.

The visit was undertaken by 55 students of 4th semester, accompanied by 4 faculty members.

Faculties attended:

Prof. Monish L, Assistant Professor
Prof. Shivamma D, Assistant Professor
Prof. Vaishali B, Assistant Professor
Prof. Shahwar Ara Kamal, Assistant Professor

Few Glimpses:

Webinar Report on

"Revolutionising the Proptech market: Unleashing the Power of Data Science"

Date: 16th June, 2023

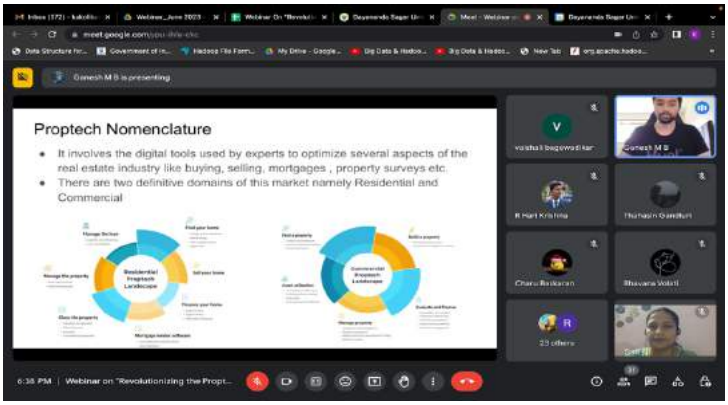
The Department of CSE(Data Science) has successfully organized a webinar on "Revolutionizing the Proptech Market: Unleashing the Power of Data Science". The resource person was Mr. Ganesh M Bhat, Data Scientist from Centrica, London, UK. The targeted audiences were 2nd, 4th and 6th semester students of Data Science.

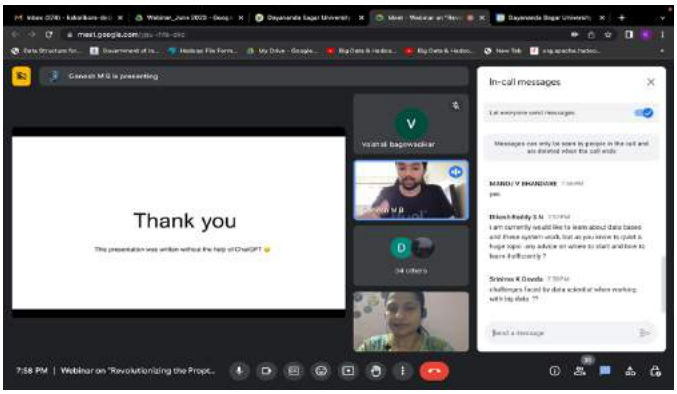
The students were given knowledge on the present technologies that a Data Scientist practices on a regular basis. The speaker used the property market as an example and explained how Machine Learning, Deep Learning and Computer Vision is applied on Proptech Market.

The students took active participation in the event. At the end feedback was taken from the students and it was found to be satisfactory.

Resource Person: Ganesh M Bhat
Data Scientist @ Centrica, London

Few Glimpses





Report on
One week Faculty Development Program
"Data Analytics and Machine Intelligence for Cyber Security Threats and Challenges"
25th July to 31st July, 2023

The Department of Computer Science and Engineering (Artificial Intelligence and Machine Learning), Department of Computer Science and Engineering (Data Science) and the Department of Computer Science and Engineering (Cyber Security) jointly organized one week Faculty Development Programme from 25th - 31st July, 2023 on "Data Analytics and Machine Intelligence for Cyber Security Threats and Challenges". The FDP benefitted the faculty members of CS cluster in enhancing the knowledge of Data Science, Machine Learning and Deep Learning roles in order to tackle the Cyber Security threats and challenges. The resource persons were from reputed organizations both from Academia as well as from Industry such as TCS, Microsoft, Altimetrik, IBM, IISc, BITS Pilani, KLETECH. This FDP also encourages those faculty members who are also interested and are aspirants of pursuing Ph.D. in the same domain. Around 40+ faculties have registered and attended the FDP.

Day-1:
The first day started with the Inauguration session. The event was inaugurated by honorable Chief Guest Mr. Sreenivasa Ramanujam K, Manager, AWS Business Unit, Tata Consultancy Services (TCS), India, Dr. Amit R Bhatt, Pro-Vice Chancellor, Dayananda Sagar University (DSU), Dr. M K Banga, Dean-Research and Development, DSU, Dr. Udaya Kumar Reddy K R, Dean Academics, School of Engineering (SoE), DSU, and all the Chairmans of different departments such as Mechanical, Aerospace, Electronics, Core Computer Science and Engineering, respectively on July 25, 2023 at 9:30 AM to 11:00 AM. The inauguration session started with invocation and lighting the lamp. Dr. Shaila SG, Chairman, Dept. of Computer Science and Engineering (Data Science) gave a welcome address and followed by introduction of chief guest by Dr. Durbadal Chattaraj, Dept. of Computer Science and Engineering (Cyber Security). The Chief guest gave a keynote address on Cyber security trends in Machine Learning and Data Science. He mentioned the importance of FDP for educational institutions in order to shape their students to be ready for industry. Dr. Kiran B Malagi, Chairman, Dept. of CSE (Cyber Security) gave the overview of the entire FDP. Dr. Udaya Kumar Reddy, Dean, SoE, DSU addressed everyone and thanked the management for giving permission to organize this kind of FDP to the in-house faculties. He requested all the faculties to make use of all the sessions of FDP. Dr. M K Banga, dean-research, DSU requested the participants to consider enrolling for a Ph. D to find their research topic. The Chief Guest and Deans have highlighted a comprehensive overview of Cyber Data Analytics, Cloud Computing technologies, and Artificial Intelligence and Machine Intelligence (AI/ML) techniques specifically used to address the unique issues and challenges posed by today's Cyber Criminals. Dr. Jayavrinda Vrindavanam V, Chairman, Dept. of CSE (AI&ML) concluded the inauguration session by vote of thanks.
The second session of Day-1 was delivered by Mr. Ajay Ganapule, TCS, Bangalore where he introduced cyber security and its threats. The last session of the day was carried by Ms. Moutan Sarkar, TCS, Bangalore on Cyber Forensics.

Day-2: The second day sessions were conducted by Dr. Gururaj N. Bhadri, KLETECH University, Hubli on Statistical Analysis of Cyber Data where he taught various statistical techniques applied on cyber data for analysis and prediction.

Day-3: The third day session-1 was handled by Mr. Nayan Naidu, Head DevOps & Agile practice, Altimetrik India Pvt. Ltd., Bangalore on Data Science for Cyber Security where he spoke on various applications of Data Science in cyber security. Mr. Naidu focused on how data analytics can be used in various industries w.r.t. Cyber security.

The next session was jointly conducted by Dr. Hemant Rathore, BITS, Goa Campus, Goa and Dr. Mohit Sewak, Microsoft, India on AI for Android Malware Detection where they discussed how Machine Learning and Deep Learning algorithms can be used in Android Malware detection. The last session was handled by Dr. Pooja Agarwal- Senior research scientist IBM on Introduction to Machine learning and its Applications where she introduced ML and NLP techniques for data analysis.

Day-4: The fourth day sessions were conducted by Dr. Ashwini Kodipalli and Mrs. Hemavati, Department of Computer Applications and Automation, IISc, Bengaluru on Recent trends and advances in Deep Learning. The speaker's emphasis was on Deep Learning algorithms like CNN, Autoencoders, U-Net, GANs, and Transformers. They focused on the working principles of these techniques.

Day-5: The last day session-1 was conducted on Career growth in Cyber Security by Mr. Ajay Ganapule, TCS, Bangalore where he gave insights on how students should prepare for the long term career in cyber security. The speaker focuses on the requirements from students for entering the industry. The next session was on Universal Human values by Mr. Anantha Ramayya, Former Professor, IISc, Bangalore where he taught us how to inculcate human values in professional and personal life. It was a must-have session for all of us.
The FDP was concluded with valedictory function in the presence of Dr. KNB Murthy, Vice Chancellor, Dayananda Sagar University (DSU), Dr. Amit R Bhatt, Pro-Vice Chancellor, Dayananda Sagar University (DSU), Dr. M K Banga, Dean-Research and Development, DSU, Dr. Udaya Kumar Reddy K R, Dean Academics, School of Engineering (SoE), DSU and the Chief Guest Mr. Anantha Ramayya, Former Professor, IISc, Bangalore. We seek blessings from God with an invocation song sung by Dr. Kiran B Malagi, Chairman, Dept. of CSE (Cyber Security). The participants were addressed by all the dignitaries and the certificates were distributed to them. The event ended with the national anthem followed by lunch.

The Key Takeaways of the FDP:

Participants have:

- Got introduced to cyber data and cyber forensics.
- Understood the statistical behaviour of the cyber data and showcased with various techniques.
- Understood the cyber data behaviour using data science approaches and malware detection using various machine learning approaches.
- Understood the deep learning approaches that include the rise of transformer-based models, unsupervised models for cyber security use cases.
- Got to know the carrier opportunities in cyber security and Human values.

Captured Images:

GPS Map Camera
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Google

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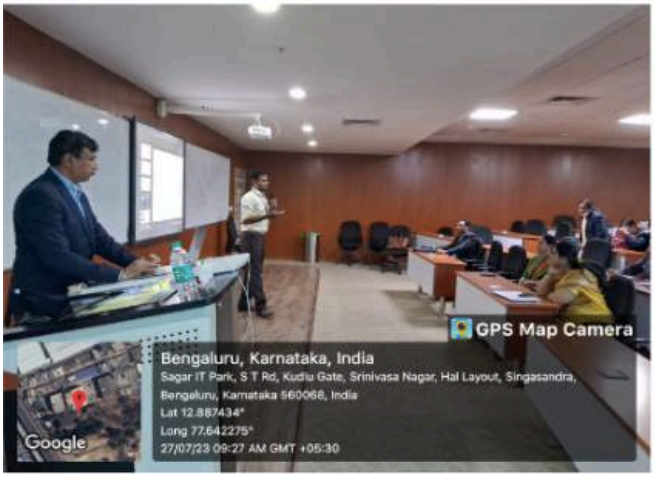
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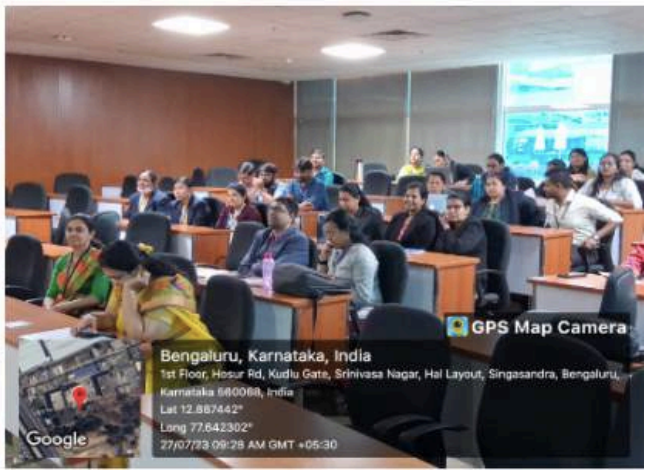
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DAYANANDA SAGAR UNIVERSITY
SCHOOL OF ENGINEERING
Data Analytics and Machine Intelligence for Cyber Security Threats and Challenges

GPS Map Camera
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Workshop on “Ink and Insight: An Art of crafting Research Papers and Thesis"
Date: 18th August, 2023

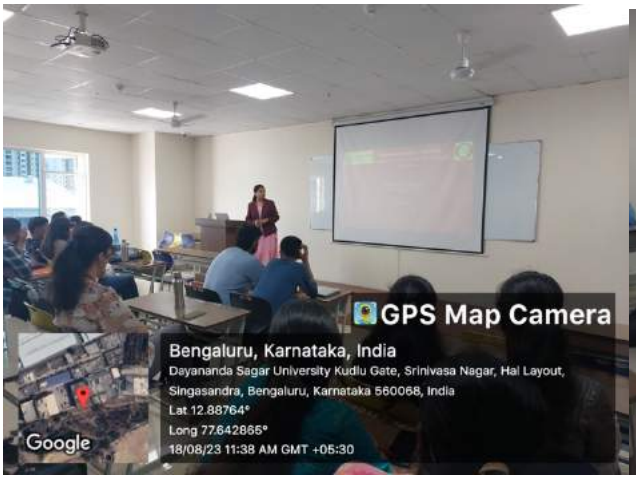
The DataScience@DSU Club, the Department of CSE (Data Science) organized a workshop on “Ink and Insight: An Art of Crafting Research Papers and Thesis” held on 18th August 2023 organized by Dr. Shaila S G, Professor and Chairperson, Dept. of CSE (Data Science), Dr. Kakoli Bora, Associate Professor, Prof. Shahwar Ara Kamal S, Assistant Professor, Dept. of CSE (Data Science).
The Speaker was in house faculty **Dr. Kakoli Bora** gave an insight on how to write research papers. The session started with an introduction to the different technical documents like scientific paper, user manuals, whitepapers, and about journal and conference papers. The speaker discussed the procedures to be followed and each component of a research paper.

At the end of the event an evaluation was carried out and the students submitted great feedback.

The Takeaways of the event are:

1. Introduced to conference and journal paper publication
2. Got to know different types of technical writing
3. Understood the steps to follow while writing technical papers
4. Introduced to the key components of a technical paper

Few Glimpses



Report on
"Student NAAC Connect: Bridging Awareness"
18th August, 2023

The Department of CSE (Data Science) organized an awareness program on **"Student NAAC Connect: Bridging Awareness"** held on 18th August 2023, from 10:00am to 11:00 am organized by **Dr. Shaila SG**, Professor & Chairperson, Dept. of CSE (Data Science), **Prof. Monish L** , Assistant Professor, Dept. of CSE (Data Science).

The Speaker in-house faculty **Prof. Monish L** gave an insight on understanding of NAAC (National Assessment and Accreditation Council), its role in assessing and accrediting higher education institutions, and its significance in maintaining quality education.

The Takeaways of the event are:

1. Understanding of NAAC
2. Quality Assurance Knowledge
3. Accreditation Process
4. Institutional Improvement
5. Best Practices
6. Recognition and Career Development

Few Glimpses

Report on

"Onam Celebration"

26th August, 2023

The DataScience@DSU Club, the Department of CSE (Data Science) organized a **"Onam Celebration"** held on 26th August 2023 organized by Dr. Shaila S G, Professor and Chairperson, Dept. of CSE (Data Science), Prof. Shivamma D, Assistant Professor, Dept. of CSE (Data Science).

Onam, the vibrant and culturally significant festival of Kerala, is a time of joyous celebration that typically spans ten days. The festival usually falls in the Malayalam month of Chingam, around August or September. A central element of the celebration is the creation of intricate flower rangolis called Pookalams, which adorn the entrance of homes and public spaces, showcasing the artistic skills and unity of the community. The grand Onasadya feast, featuring an array of traditional vegetarian dishes, serves as a symbol of abundance and togetherness, bringing families and communities closer. Cultural performances like Kaikottikali and Pulikali add an element of entertainment and showcase the rich cultural heritage of Kerala.

The boat races (Vallam Kali) are another highlight, reflecting the state's maritime legacy. Overall, Onam is a vibrant tapestry of tradition, community, and cultural pride. In contemporary times,

Onam celebrations continue to evolve, with the inclusion of modern elements and technology. Social media platforms play a role in spreading the festive spirit, and various cultural events and competitions add dynamism to the festivities. While embracing these changes, the essence of Onam, rooted in Kerala's history and mythology, remains a testament to the state's enduring cultural heritage, bringing people together in the spirit of joy, unity, and tradition.

The Takeaways of the event are:

- Onam offers students a holistic learning experience encompassing culture, history, art, and values.
- It encourages them to appreciate diversity, maintain a connection to their roots, and celebrate the importance of community and tradition.