



**DAYANANDA SAGAR  
UNIVERSITY**

Dayananda Sagar University  
School of Engineering  
Department of Computer Science and Engineering (Data Science)  
**EVENTS**  
**2023 – 2024**

## **Report on**

### **“Student NAAC Connect: Bridging Awareness ”**

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:

- Understanding of NAAC
- Quality Assurance Knowledge
- Accreditation Process
- Institutional Improvement
- Best Practices
- Recognition and Career Development



**DAYANANDA SAGAR UNIVERSITY**  
**School of Engineering**  
Kudlu Gate , Bengaluru - 560068

**Department of CSE (Data Science)**  
is organizing  
**STUDENT NAAC CONNECT**  
**BRIDGING AWARENESS**  
Target Audience: 7th semester students

**On 18.8.2022 @ 10:00 am - 11:00 am, T301, 'B' Block DSU**

**Resource Person:** In-House Faculty

<b>Conveners</b>	<b>Organizers</b>
<b>Dr. Shaila S.G</b> Professor & Chairperson (Data Science) Dept. of CSE (DS), SOE, DSU	<b>Prof. Monish L.</b> Assistant Professor Dept. of CSE (DS) , SOE, DSU



## Glimpses of the Event



## Report on Onam Celebration

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:

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



**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

# Onam



**Date: 26th August 2023 @ 02:00 pm - 4:00 pm**

**Venue: B Block, 3rd Floor  
DSU**

**Conveners**

**Dr. Amit Bhatt**  
Pro-Vice Chancellor, DSU  
**Dr. Udaya Kumar Reddy KR**  
Dean, SoE  
**Dr. Shaila S G**  
Chairperson, Dept. of CSE (DS)


**Organizer:**

**Prof. Shivamma D**  
Assistant Professor

**May this festival brings joy and  
prosperity to your life**





 GPS Map Camera

Bengaluru, Karnataka, India

48, Kudlu Gate, Srinivasa Nagar, AECS Layout, Singasandra, Bengaluru, Karnataka 560068, India

Lat 12.887967° Long 77.643056°

26/08/23 02:11 PM GMT +05:30



 GPS Map Camera

Bengaluru, Karnataka, India

Sagar IT Park, S T Rd, Kudlu Gate, Srinivasa Nagar, Hal Layout, Singasandra, Bengaluru, Karnataka 560068, India

Lat 12.887451° Long 77.642034°

26/08/23 12:21 PM GMT +05:30





## Workshop on Research paper writing titled

### “Ink and Insight: An Art of crafting Research Papers and Thesis”

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 4th September 2023 organized by Dr. Kakoli Bora, Associate Professor, Dept. of CSE (Data Science), and 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
5. Steps to be followed while submitting a paper

The poster is for a workshop titled "Ink and Insight: An Art of Crafting Research Papers and Thesis". It features logos for Dayananda Sagar University, Computer Society of India, and the Data Science club. The central image shows a desk with a pen, a notebook labeled "TECHNICAL WRITING", and a small white robot. The text provides details about the organizers, resource person, venue, date, and registration link.

**Dayananda Sagar University**  
School of Engineering, Kudlu Gate, Hosur road  
Bengaluru - 560068  
**Department of Computer Science and Engineering  
(Data Science)**  
**Organises**

**"Ink and Insight: An Art of Crafting  
Research Papers and Thesis"**

**Venue:**  
T-303, B Block

**Resource Person:**  
**Dr. Kakoli Bora**  
Associate Professor  
Dept. of CSE(DS), SoE, DSU

**Date & Time:**  
04.09.2023 @ 10:00 AM

**Target Audience:**  
5th & 7th Semester  
CSE(Data Science) Students

**Click to Register**  
<https://forms.gle/JdpTvtkfAJsfDdvF8>

**Conveners:**  
**Dr. Shaila S G**  
Professor & Chairperson  
Dept. of CSE (DS), SoE, DSU

**Organisers:**  
**Dr. Kakoli Bora**  
Associate Professor.  
Dept. of CSE(DS), SoE, DSU.  
**Prof. Shahwar Ara Kamal S**  
Assistant Professor  
Dept. of CSE(DS), SoE, DSU



## Few glimpses of the event:



## Report on CODE-A-THON C

The Codechef Club, the Department of CSE (Data Science) organized a workshop on “CODE-A-THON C Shaping the Future Through Innovation” held on 5th-6th October 2023 organized by Prof. Shivamma D, Assistant Professor, Dept. of CSE (Data Science).

The targeted audience was 3rd B.Tech students. The workshop consisted of a multitude of topics supported by hands-on sessions, handled by faculty experts from the Department of CSE (Data Science) and student coordinators. The main highlight of the event was students taught. The Student coordinator team included Janardhan K S, Sherlyn Rose, Kovarthana, Sujeeth Kumar, Pavan kumar, Sahana R, Sindu and Nitin Prajwal R

The event started with Introduction to C programming given by Prof. Shivamma D and topics like Arrays, pointers, Functions, Structures, Union, Memory Management were taught by the student coordinators anardhan K S, Sherlyn Rose, Kovarthana, Sujeeth Kumar, Pavan kumar, Sahana R, Sindu and Nitin Prajwal R respectively. Followed by a session ending quiz to test the students' knowledge. 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



**DAYANANDA SAGAR UNIVERSITY**  
BENGALURU • INDIA

**School of Engineering**  
**CODE-A-THON : C**  
*Shaping the Future Through Innovation*

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)**

**In association with Codechef Club**

**Date :** 5th- 6th  
**October 2023 at**  
**12:00 pm-4:00 pm**

**Venue :** A432  
**'A' Block,**  
**Harohalli, SOE,**  
**DSU**

**Conveners:**  
Dr. Amit Bhatt  
Pro-Vice Chancellor, DSU  
Dr. Udaya Kumar Reddy KR  
Dean, SoE  
Dr. Shaila S G  
Chairperson, Dept. of CSE (DS)

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

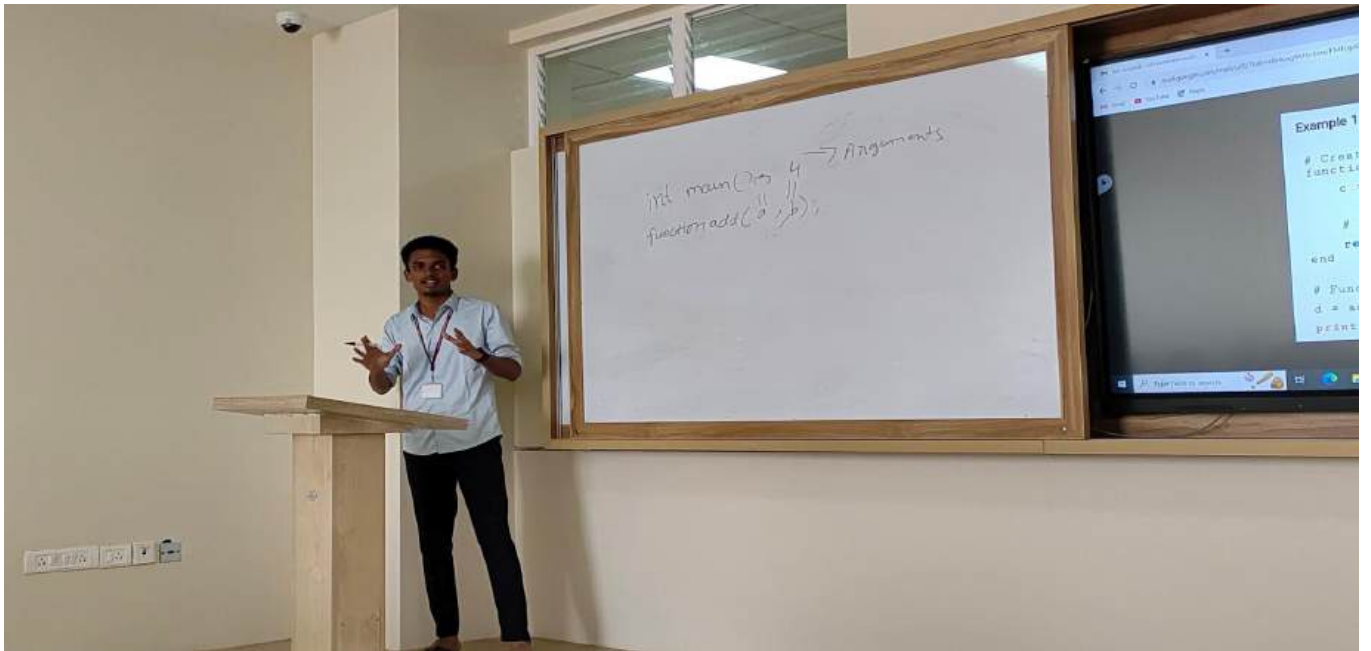
**Student Co-ordinators**  
Janardhan K S  
Sherlyn Rose  
Kovarthana  
Sujeeth Kumar  
Pavan kumar  
Sahana R  
Sindu  
Nitin Prajwal R

**Register for the Event**

### Glimpses of the event







## Report on "Communication Skills"

The DataScience@DSU club, Department of Computer Science Engineering (Data Science) has successfully organized a "Communication Skills" on 11th October, 2023 organized by Dr. Shaila S G, Professor and Chairperson, Dept. of CSE(Data Science), Prof. Shivamma D and Prof. Monish L, 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

The Communication Skills training is an essential step for students to prepare themselves for the job market. It helps them develop the necessary skills and knowledge required to succeed in the workplace

### Objective of the Training

1. The objective of the Communication Skills training program is to prepare the students for the recruitment process and help them enhance their technical and soft skills.

### Outcome:

The Communication Skills training program helped students in the following ways:

- The program helped students enhance their communication skills and gain practical knowledge.
- The program helped students improve their soft skills, including communication, teamwork, and leadership.
- The program helped students develop their aptitude skills and perform well in the recruitment process.
- The program helped students gain confidence in their abilities and prepared them for the recruitment process.







## **Report on**

### **Diya Illuminare: "Designing Light and Beauty"**

The DataScience@DSU Club, the Department of CSE (Data Science) organized a Diya Illuminare: "Designing Light and Beauty" Designing Light and Beauty held on 3rd November 2023 organized by Prof. Shivamma D, Assistant Professor, Dept. of CSE (Data Science). The targeted audience was B.Tech students (all Branches).

Deepawali' – a festival of light and happiness, symbolizes the victory of good over evil, brightness over darkness and truth over falseness. This festival helps people to find moments of joy and happiness amongst their jam pack daily routine. The most traditional and closer to heart way to celebrate this festival is by lighting diyas and candles. Enlightening this festival through diyas symbolizes the supremacy and consequence of brightness over darkness.

In a way of giving a warm welcome to this festival, Department of CSE (DS) had organized a competition of Diya Illuminare: "Designing Light and Beauty" on 3rd November, 2022. A total of 53 teams had participated in this activity from 1st and 3rd semester. Students had used their creative ideas for beautiful and colorful decoration of both diya, symbolizing light and prosperity. The students have painted, decorated and made enticing diyas as a part of Deepawali celebration. They experienced the effort involved in decorating diya and also its significance in this festival of light and joy.

Evaluation of their creative ideas was a tough task for the judges. To evaluate the efforts of students Dr Meenakshi Malhotra, Professor of CSE and Dr.V. Sreemathy, Assistant Professor - Technical English were invited for judgment.

This competition was organized under the guidance of Prof. Shivamma D, Assistant professor. Students were positively motivated by Dr. Shaila S G, Professor and Chairperson, Dept. of CSE (Data Science)..

Outcome :

The students got aware of the culture and traditions of this specific festival called "Deepawali". They acquired knowledge on the importance of making diyas and lightening all over to celebrate the victory of Lord Rama. They learnt how to make diyas more enticing and attractive by painting and colouring.

No. of participants:

Total 177 students were enrolled for this competition to participate in this activity.

Winners of the event:

1st Place: Vaishnavi N M and Usha DK

2nd Place: Thrisha P, Raksha U and Pragna G

3rd Place: Manoj G Sanningammanavar, Anoop pola and Girish





DAYANANDA SAGAR  
UNIVERSITY



## School of Engineering

Devarakaggalahalli, Harohalli, Kanakapura Road  
Ramanagara Dt., Bengaluru - 562 112

### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

In association with  
DataScience@DSU Club

Is Organising

# Diya Illuminare: *"Designing Light and Beauty"*

— Diya Design Contest —

## DATE

3rd November 2023  
11:00 am - 3:00 pm

## VENUE

A Block Harohalli  
DSU CAMPUS

[Register Here](#)



Winners  
will be  
awarded  
incredible  
prizes

#### Conveners:

Dr. Amit Bhatt  
Pro-Vice Chancellor, DSU  
Dr. Udaya Kumar Reddy KR  
Dean, SoE  
Dr. Ramesh R. Galligekere  
Dean (Acad) Science and Technology  
Dr. Shailla S G  
Chairperson, Dept. of CSE (DS)

#### Organizers:

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

#### Student Co-ordinators

Nitin Prajwal R  
Janardhan K S  
Sujeeth Kumar D S  
Pavan Kumar G  
Vinuraj Vamshi  
Sherlyn Rose  
Kovarthana K  
Shushma S

**\*\*Open to all B Tech. students**

## Glimpses of the event





## Report on

### “Unifying Data Science: Cooperative Strategies for Tackling Complex Problems”

The DataScience@DSU Club, the Department of CSE (Data Science) organized a workshop on “Unifying Data Science: Cooperative Strategies for Tackling Complex Problems” held on 6th Nov 2023 organized by Prof. Monish L, Assistant Professor, Dept. of CSE (Data Science), and Prof. Manjula M, Assistant Professor, Dept. of CSE (Data Science).

Mr. Amruth Raj and Mr. Arun Kumar, Founder & CEO of Nikki.Build has an IT experience of 15 Years and worked in IT and Banking sector, with a German company gave an insight on building prototypes in low cost and joy of building the models with low code with existing built in the libraries.

The Takeaways of the event are:

- Guide them on creating a professional and consistent personal brand as an entrepreneur.
- Provide insights into different industries-based prototypes.
- Incorporate interpersonal skills, adaptability, and problem-solving abilities in rapid prototype building.
- Encourage students to implement Industry 5.0 human machine interaction models in areas of interest.

The poster is for a Tech Talk event. At the top, it features the logos of Dayananda Sagar University, the School of Engineering, and the Department of Computer Science and Engineering (Data Science). The text reads: "Dayananda Sagar University School of Engineering Department of Computer Science and Engineering (Data Science) In association with CSI and DataScience@DSU Club is organizing". The main title is "TECH TALK ON UNIFYING DATA SCIENCE: COOPERATIVE STRATEGIES FOR TACKLING COMPLEX PROBLEMS". Below this, it lists the Resource Persons: Mr. Arun Kumar (Founder NikkiBuild) and Mr. Amruth Raj (Founder Nikkibuild). The Target Audience is Data Science Students. The Date & Time is 6th November 2023, 11.00 am - 12:50pm. The Venue is A432, 'A' block, SOE, DSU. The Registration Link is <https://forms.gle/bVpgdimFs4STLUseA>. At the bottom, it lists the Convener (Dr. Shaila S G, Professor & Chairperson, Dept. of CSE (DS), SOE, DSU) and the Organizer (Prof. Monish L, Assistant Professor, Dept. of CSE (DS), SOE, DSU and Prof. Manjula M, Assistant Professor, Dept. of CSE (DS), SOE, DSU).

**Dayananda Sagar University**  
School of Engineering  
Department of Computer Science and Engineering  
(Data Science)  
In association with  
CSI and DataScience@DSU Club is organizing

**TECH TALK ON**  
**UNIFYING DATA SCIENCE:**  
**COOPERATIVE STRATEGIES FOR**  
**TACKLING COMPLEX**  
**PROBLEMS**

**Resource Person**  
Mr. Arun Kumar  
Founder NikkiBuild  
Mr. Amruth Raj  
Founder Nikkibuild  
Target Audience: Data Science Students

**Date & Time:**  
6th November 2023  
11.00 am - 12:50pm

**Venue:**  
A432, 'A' block  
SOE, DSU.

**Registration Link :**  
<https://forms.gle/bVpgdimFs4STLUseA>

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

**Organizer**  
Prof. Monish L  
Assistant Professor  
Dept. of CSE (DS), SOE, DSU  
Prof. Manjula M  
Assistant Professor  
Dept. of CSE (DS), SOE, DSU

Few glimpses of the event:





## Short Term Training

### “Accelerating Success”

The DataScience@DSU Club, the Department of CSE (Data Science) started a short term training on “**Accelerating Success**” held on 16th February and 23rd February, 2024 organized by the faculties of CSE(Data Science) department. The first session was taken by **Dr. Kakoli Bora, Associate Professor**, who gave an insight on how to solve problems using the C programming language along with a technical quiz on C language. The second session was handled by **prof. Vaishali VB, Assistant Professor**. She had taken a session on solving different aptitude questions. The students took active participation on both the days.

#### The Takeaways of the event are:

1. Gain Knowledge on advanced C concepts
2. Improved problem solving skills
3. Exposure to different types of aptitude problems and how to solve them



**Dayananda Sagar University**  
School of Engineering, Kudlu Gate, Hosur Road  
Bengaluru - 560068

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

**A Short term training**  
**"Accelerating Success"**

**Venue:**  
T-303, Block "B", Campus-3

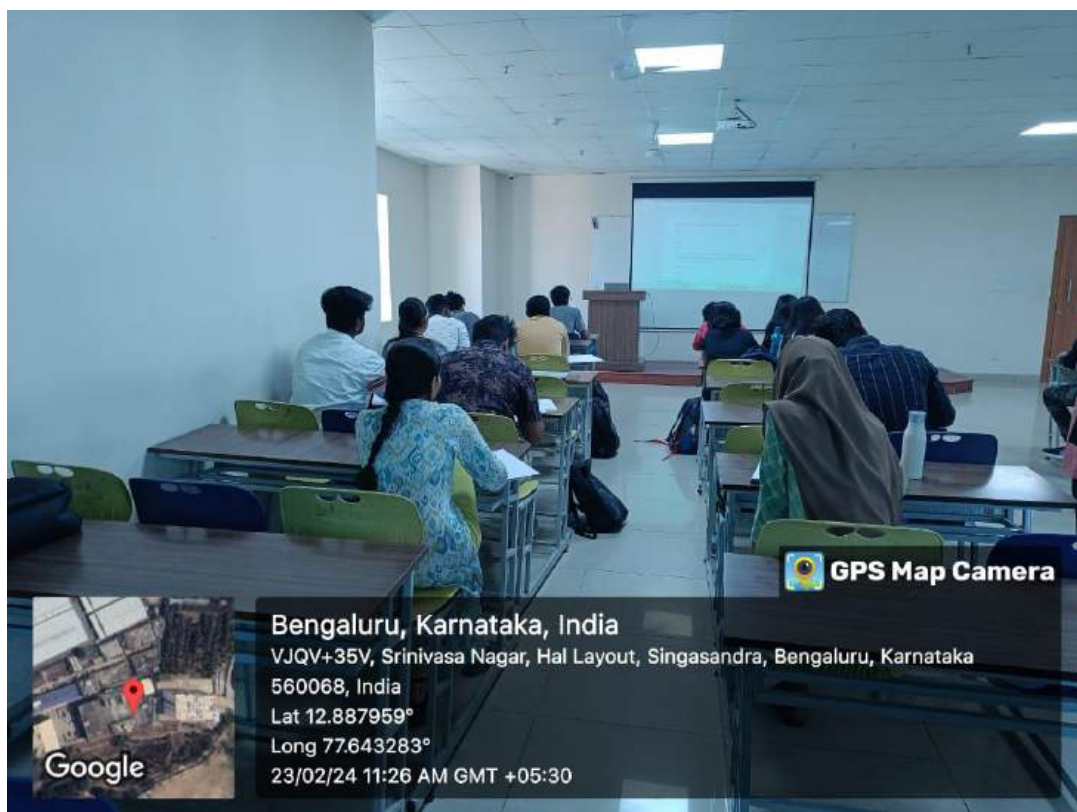
**Date & Time:**  
Every Friday starting from  
16.02.2024 @ 11:00 AM  
onwards

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

**Target Audience:**  
6th Semester Data Science  
Students

**Co-ordinators:**  
In-house faculties  
CSE(Data Science), Campus-3  
SOE, DSU

Few glimpses of the event:





## Report on Quiz-Venture Enhance Your Skills with C

The DataScience@DSU Club, the Department of CSE (Data Science) organized a Quiz “QUIZ-VENTURE: Enhance your skills with C” held on 1st March 2024 organized by **Prof. Shivamma D**, Assistant Professor, Dept. of CSE (Data Science), and **Prof. Monish L**, Assistant Professor, Dept. of CSE (Data Science).


### The Takeaways of the event are:

1. **Knowledge Assessment:** The quiz served as a tool to assess students' understanding of fundamental concepts in C programming, including syntax, data types, control structures, functions, and pointers. It helped gauge their comprehension levels and identify areas that may require further study or clarification.
2. **Identifying Strengths and Weaknesses:** Through the quiz results, educators gained insights into students' strengths and weaknesses in C programming. They could identify which topics students grasped well and which ones they struggled with, allowing for targeted interventions and tailored learning experiences.
3. **Learning Consolidation:** Taking the quiz provided students with an opportunity to consolidate their learning and reinforce concepts covered in lectures, textbooks, and practical exercises. By applying their knowledge to solve quiz questions, students solidified their understanding and retained information more effectively.
4. **Feedback and Improvement:** The quiz results offered valuable feedback to both students and educators. Students received feedback on their performance, highlighting areas where they excelled and areas where they needed improvement. Educators could use this feedback to adjust teaching strategies, offer additional support, and design future assessments that better cater to students' needs.
5. **Motivation and Engagement:** Engaging in the quiz motivated students to actively participate in their learning process. It encouraged them to review course materials, practice problem-solving skills, and strive for academic excellence. Additionally, the competitive aspect of the quiz may have fostered a sense of camaraderie and spurred healthy competition among students, further enhancing their engagement with the subject matter.

### Detailed Report of QUIZ-VENTURE: Enhance your skills with C

The DataScience@DSU Club, under the Department of Computer Science and Engineering (Data Science), organized a Quiz event titled "QUIZ-VENTURE: Enhance your skills with C" on March 1st, 2024. The event aimed to assess students' understanding of fundamental concepts in C programming and provide them with an opportunity to enhance their skills in the subject. The quiz was organized by Prof. Shivamma D, Assistant Professor, Department of CSE (Data Science), and Prof. Monish L, Assistant Professor, Department of CSE (Data Science). The Quiz was taken up by 25 students. The winners of the Quiz were:


Winners	Name	USN	Marks
First Place	Kovarthana K	ENG22DS0032	15 / 20
Second Place	Sanjana T	ENG22DS0017	14 / 20
Third Place	Arian Kovacs	ENG22DS0049	13 / 20



**DAYANANDA SAGAR  
UNIVERSITY**

**School of Engineering**

Devarakaggalahalli, Harohalli, Kanakapura Road, Ramanagara Dt.- 562 112



---

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
(DATA SCIENCE)**

In association with  
**Codechef Club & DataScience@DSU Club**

Organising

# QUIZ-VENTURE

## Enhance Your

# SKILLS With C

**Date :**  
**1st March 2024 at**  
**2:00 pm-4:00 pm**

**Venue :**  
**A432 'A' Block,**  
**Harohalli, SOE,**  
**DSU**

**Register Here:**

**<https://forms.gle/jTeTs5KIsT22KKYN8>**

**Conveners:**

Dr. Amit Bhatt  
Vice Chancellor, DSU  
Dr. Udaya Kumar Reddy KR  
Dean, SoE  
Dr. Shailla S G  
Chairperson, Dept. of CSE (DS)

**Organizers:**

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

**Student Co-ordinators**

Nitin Prajwal R  
Janardhan K S  
Sujeeth Kumar  
Pavan kumar





## Report on CODE-A-BIT '24

**CODE-A-BIT'24: Get Your Geek On!** Held on March 21st and 22nd, 2024, at the Gallery Hall-01 & GE Healthcare A-Block, Campus-03, this event, organized by the **Department of Computer Science and Engineering - Data Science**, showcased the technical prowess and innovation of students from the School

of Engineering at DSU. Featuring four engaging rounds - Innovative Interface, Frontend Knockout, Mind Sprint, and Data Fusion - participants demonstrated their skills in UI design, web development, quiz challenges, and data analytics. With the esteemed presence of Chief Guest, **Mr. Vinod Shankar, CEO, AIC-DSU**, and the guidance of our dedicated event coordinators and conveners, CODE-A-BIT'24 exemplified our commitment to academic excellence and technological advancement. This report encapsulates the highlights, achievements, and insights gained from this enriching experience.



Image: **Prof. Vaishali VB and Bindhu B** Image: **Dr. Shaila S G** addressed the gathering. Welcomed the dignitaries.



## DAY-01 (MARCH 21<sup>st</sup>)

### Round 1: Innovate Interface - UI Design Round

The first round, Innovate Interface, focused on **UI design**, where participants were tasked with redesigning the official website of the **Indian Space Research Organisation (ISRO)** while ensuring visual appeal and appropriateness.

#### Round Overview:

- Challenging participants to showcase their design abilities by completely redesigning the ISRO website's user interface.



- Required to create visually appealing and appropriate UI designs that effectively conveyed ISRO's mission, vision, brand identity and values.



**Image: Briefed about the First round to all the participants**

**Participants' Tasks:**

- Conduct a thorough analysis of the existing ISRO website to identify areas requiring improvement in terms of design, usability, user experience, and overall aesthetic appeal.
- Incorporate modern design elements and trends, such as responsive layouts, intuitive navigation menus, visually appealing graphics, and multimedia elements, while maintaining the essence of ISRO's brand

identity.-Ensure user-friendly designs by adhering to best practices in UI design principles, accessibility guidelines, and industry standards for web design.



**Image: Participants immersed in deep thoughts and discussions.**

### **Design Process:**

- Participants were given the freedom to use their preferred design tools, techniques, and methodologies, including wireframing, prototyping, and visual design software.
- They had to consider and address various aspects of UI design, such as layout structure, typography choices, colour schemes, iconography, and overall aesthetic appeal.
- An iterative design process was encouraged, where participants were expected to create multiple iterations of their designs, incorporating feedback from peers and mentors, and refining their concepts until they achieved a polished final product.

### **Submissions and Evaluation:**

- At the end of the allotted time, participants submitted their redesigned ISRO website UI designs to the panel of judges.
- The judging panel comprised **Prof. Vivek Wallabhadas, Associate Professor** and **Prof. Komala DS, Assistant Professor** from Design and Digital Transmedia, DSU.
- The judges meticulously evaluated each submission based on a comprehensive set of criteria, including visual appeal, usability, adherence to ISRO's branding guidelines, creativity, innovation, attention to detail, and overall design quality.
- Their expertise and discerning eye ensured a fair, unbiased, and comprehensive evaluation process.





Image: **Prof. Vaishali VB** discussing judging criteria with the judges



Round01 Judges **Prof. Vivek Wallabhadas** and **Prof. Komala DS**

### **Winners of innovate interface round:**

Team **MEATBALLS**

**From Dept. of CSE**

- Priyanka Datta    ENG21CS0309
- Sri Hari            ENG21CS0344
- Sakshi Singh      ENG21CS0343

### **Round 2: Front-End Knockout**

The second round, Front-End Knockout, brought an exhilarating challenge to the competition.

#### **Round Overview:**

- Participants engaged in a thrilling game of memory and coding prowess as they navigated through three levels of increasing complexity.
- They were tested on their ability to recreate website designs using front-end technologies like HTML, CSS, and JavaScript.

#### **Participants' Tasks:**

- For each level, a website design was briefly displayed to the participants.
- After the brief exposure, participants had to replicate the website's design and functionality using front-end coding languages and frameworks.
- The complexity of the websites increased with each level, requiring participants to display their adaptability and problem-solving skills.





**Images: Frontend Mastery in action.**

**Challenge Details:**

- Level 1: Participants had to recreate a basic website layout with minimal styling and interactivity.
- Level 2: The difficulty increased with more complex design elements, animations, and user interactions to be implemented.
- Level 3: The final level presented a fully-fledged website with intricate designs, dynamic content, and advanced functionality.

**Evaluation Criteria:**

- Accuracy in replicating the website designs, including layout, styling, and responsiveness.
- Proper implementation of interactivity and functionality using JavaScript.
- Code quality, organization, and adherence to best practices.
- Performance optimization and cross-browser compatibility.



**Judging Panel:**

- **Mr. Pranav**, a senior student with expertise in front-end development and a 2024 batch, was invited to act as the judge for this round.



### **Submissions and Evaluation:**

- Participants submitted their coded solutions for each level within the allotted time.
- The judge meticulously evaluated each submission, assessing their ability to think on their feet, code efficiently, and deliver under pressure.
- Participants were encouraged to collaborate and support each other, fostering a sense of community within the competition.

### **Winners of Frontend Knockout:**

Team **LET US COOK**

**From Dept. of CSE**

- |                       |             |
|-----------------------|-------------|
| - K V S Balaji        | ENG21CS0195 |
| - Naindeep Singh      | ENG21CS0261 |
| - Andrew Nitin Joseph | ENG21CS0164 |
| - Jasmitha JK         | ENG21CS0168 |

## **DAY-02 (MARCH 22<sup>nd</sup>)**

### **Round 3 – Mind Sprint:**

- The third round of the event conducted on Day 2 was a quiz round, consisting of **40 questions** in total.
- The quiz comprised 15 questions on **logo guessing**, identifying places, and persons, followed by 10 questions on **non-technical and general topics**, and concluded with 15 **technical-based** questions.
- The round was conducted on the platform called **Mentimeter** and involved 22 participating teams.
- Simple rules were set for the round, requiring each team to use only one phone, visibly placed in front of a volunteer.
- The round did not require panel members, as the Mentimeter platform automatically scored participants based on the speed of their answers.
- The quiz commenced at 9:30 am, with an initial explanation of rules and regulations followed by a demo round to familiarize participants with the platform.
- The main quiz lasted until 10:30 am, encompassing a variety of challenging questions to test the teams' knowledge and quick thinking abilities.



**Image: Volunteers giving demo of the quiz to Participants.**



**Image: Volunteers strictly monitoring the participants during the Quiz.**

### **Winners of Mind Sprint:**

**Team LET US COOK**  
**From Dept. of CSE**

- K V S Balaji	ENG21CS0195
- Naindeep Singh	ENG21CS0261
- Andrew Nitin Joseph	ENG21CS0164
- Jasmitha JK	ENG21CS0168

### **Round 04- DATA FUSION:**



**Objective:**

- The Data Fusion is a **Data Analytics round**, where each participant team was tasked with solving problem statements based on a dataset. Each team must also make a report or dashboard with charts supporting their solutions. Finally, team will have to present their solutions during the presentation round.
- This exciting round is an intellectually challenging round that engages the participant in problem solving. This greatly reveals to the student, different perspectives on how to look at problems and find new approaches to solving them successfully.

**Round Overview:**

- Each team was given a specific dataset and 6 problem statements associated with it. They began solving the problems by applying data analysis techniques such as filtering, grouping and sorting.
- Each team had to solve problem statements with the help of bar, line, pie, correlation charts and other visualization components.
- The teams were suggested to use a dashboard/report making platform called Looker Studio, to present their charts.
- From these charts they had to make observations and identify patterns and trends to gain insights and arrive at potential conclusions and present them to the Panel to judges



**Images: Participants Engaging in Data Analytics Excellence.**

**Round procedure:**

- There were 15 teams who were selected and participated in this round.

- The Report making session began at 11:30 am and ended at 1:00 pm, after which the participants had to submit their reports through a form link.
- The round began with participants curiously waiting for the problem statements. Once the dataset and problem statements were provided, the teams began to brainstorm and discuss the solutions. Teams thoughtfully prepared their solution and submitted their report.
- The report submission slot ended at 1:10pm with, after which participants left for lunch. They were asked to assemble by 2:00pm for the presentation session.
- The presentation session began at 2:00PM, when each team had to come up to the stage to present their solutions with their report to the Judges, with the report displayed.
- The team had to answer any questions asked by the judges.
- Teams began presenting their solutions by showing visualizations and explained the trends that were observed from the charts. They not only proved their points, but also suggested new ways to improve a business, interpret results and suggested better alternatives.
- The presentation round ended at 4:00pm, thereby all teams completing their presentation task.



**Images: Participants presenting their reports to the Judges.**

#### **PANEL OF JUDGES:**

**Ms. Arya Suresh**, Consultant from Archlynk India Pvt. Ltd. and alumni of DSU, who is experienced in Data Analysis, was invited to act as the judge for the Data Fusion round.

**Dr. Kakoli Bora**, Associate Professor from the Department of Computer Science and Engineering (DATA SCIENCE), DSU having 17 years of teaching and research experience, was requested to join the panel of judges





Image: Judges evaluating the reports and presentation,  
**Ms. Arya Suresh**(right) and **Dr. Kakoli Bora**, (left)

**Evaluation:**

- Teams were evaluated and awarded points based on their solution, reasoning, report content and presentation.
- Participants who actively justified their solution with convincing and accurate reasons with observed trends, were awarded more points by the panel of Judges.

**Winners of Data Fusion Round:**

Team **TESSERACT**  
**From Dept. of CSE**

- P Roshan                      ENG21CS0286
- P Supreeth                  ENG21CS0427
- P L N Sai Sriniketh      ENG21CS0283
- Reuben Titus Roji        ENG21CS0330

**Top 3 Event winners:**

**1<sup>st</sup> Prize:**

Team **LET US COOK**  
**From Dept. of CSE**

- K V S Balaji                      ENG21CS0195
- Naindeep Singh                ENG21CS0261
- Andrew Nitin Joseph        ENG21CS0164



**Image: Chief Guest Mr. Vinod Shankar presents First prize to team “Let Us Cook”.**

## **2<sup>nd</sup> Prize:**

**Team TECHCRAFTERS**  
**From Dept. of CST**

- Pooja V M                      ENG21CT0029
- Harika Reddy K            ENG21CT0007
- Krutarth Y G                ENG21CT0019
- Venkat B S                 ENG22AM3015



Image: Dr. M Shahina Parveen presents second prize to team “TECHCRAFTERS”



### 3<sup>rd</sup> Prize:

Team **MEAT BALLS**  
From **Dept. of CSE**

- Priyanka Datta    ENG21CS0309
- Sri Hari            ENG21CS0344
- Sakshi Singh      ENG21CS0343



**Image: Dr. Shaila S G presents third prize to team “MEATBALLS”**

### Report on

### **DATASPHERE: IEEE DATA SCIENCE EXPLORATION**

The DataScience@DSU Club, the Department of CSE (Data Science) organized a Talk on **IEEE “DATASPHERE: IEEE DATA SCIENCE EXPLORATION”** held on 14th March 2024 organized by **Prof. Monish L**, Assistant Professor, Dept. of CSE (Data Science), and **Prof. Shivamma D**, Assistant Professor, Dept. of CSE (Data Science).

#### **Resource Persons Profile:**

Dr. Pushpa Mala S, an Associate Professor whose contributions to the field of Electronics Engineering have been nothing short of exceptional. With a Ph.D. earned from Jain University, Bengaluru, her expertise encompasses a wide range of areas, including Image Processing, Signal Processing, and Very LargeScale Integrated Circuits designing and modeling. Her dedication to advancing these domains has been evident through numerous projects funded by prestigious

institutions like the Karnataka State Council for Science & Technology and the Vision Group of Science and Technology (KSTePS).

With a combined experience of 12 years in teaching and 4 years in research, Dr. Pushpa Mala S embodies the perfect balance of academic rigor and practical knowledge. Her scholarly pursuits have resulted in approximately 35 papers published in various International Conferences and Indexed international journals, showcasing her commitment to advancing the frontiers of knowledge in her field. Additionally, her role as a reviewer for SPIE and various international conferences underscores her dedication to upholding the highest standards of academic excellence.

As a senior member of IEEE and a Life Member of ISTE, Dr. Pushpa Mala S remains deeply engaged in the scientific community, fostering collaboration and knowledge exchange. Her involvement in the EXECOM-IEEE Bangalore Section further highlights her commitment to promoting excellence in electronics engineering and advancing the mission of IEEE. It is with great anticipation that we await Dr. Pushpa Mala S's address on IEEE, where her insights and expertise are sure to inspire and enlighten us all.

**The Takeaways of the event are:**

1. **Emerging Technologies:** Events like these often showcase the latest developments and trends in data science, including emerging technologies such as machine learning, artificial intelligence, big data analytics, and data visualization.
2. **Applications Across Industries:** Data science has applications across various industries, including healthcare, finance, retail, transportation, and more. Attendees might gain insights into how data science techniques are being applied in different sectors to solve complex problems and drive innovation.
3. **Ethical Considerations:** With the increasing use of data-driven technologies, ethical considerations become paramount. Discussions around data privacy, bias in algorithms, transparency, and accountability are common in such events.
4. **Skills and Education:** Events like these often include workshops, tutorials, and discussions focused on enhancing skills in data science and related areas. Participants may learn about the latest tools, programming languages, and methodologies used in the field.
5. **Collaboration Opportunities:** Networking opportunities abound at these events, allowing attendees to connect with peers, researchers, industry professionals, and potential collaborators. Collaboration across disciplines is often encouraged to tackle complex data science challenges effectively.
6. **Research Frontiers:** Academic research plays a significant role in advancing the field of data science. Events like these provide a platform for researchers to present their latest findings, discuss cutting-edge research topics, and explore future directions for the field.
7. **Real-world Case Studies:** Practical insights from real-world case studies can be invaluable for attendees. Presentations or panel discussions featuring successful data science projects, challenges faced, and lessons learned offer valuable insights into the application of data science in practice.
8. **Continuous Learning:** Data science is a rapidly evolving field, and continuous learning is essential for professionals to stay updated with the latest developments. Events like these offer opportunities for lifelong learning and professional development.



We extend our heartfelt gratitude to Dr. Pushpa Mala for his illuminating session and look forward to more such enriching experiences as we continue our quest for excellence in data science in collaboration with IEEE.



## REPORT ON Tips and Tricks of GATE

The DS department, organized an expert talk on “Tips and Tricks of GATE”. The session on "Career Opportunities with GATE (DS and AI)" hosted by Dayananda Sagar University offered invaluable insights into the evolving landscape of careers in Data Science (DS) and Artificial Intelligence (AI). By addressing crucial topics such as internships, AI advancements, GATE exam preparation, and industry trends, the session aimed to empower attendees with strategic knowledge for navigating the competitive job market in these fields. This report provides a concise overview of the key discussions and takeaways from the session, highlighting the importance of informed career planning and skill development in the domains of DS and AI.

Mr. Vineet Gupta, was the speaker, he had pursued his Masters from IIITB & JBIMS, B. Tech from SPCE, Mumbai, JE selected at MSEB. And has 15 Years of Expertise. He has successfully guided 30,000+ GATE aspirants towards their IIT/PSU dreams.

The session provided a comprehensive exploration of Data Science and Artificial Intelligence (AI) careers, delving into key elements crucial for attendees' success. It began by emphasizing the pivotal role of internships, elucidating their benefits, search strategies, and the importance of tailored applications. The diverse landscape of AI career paths was unveiled, showcasing the growing demand across various industries and the essential skills needed. Coding's centrality in AI jobs, recession resilience, and insights into the Graduate Aptitude Test in Engineering (GATE) exam were elucidated. Premier institute advantages, PSU job opportunities through GATE, and upskilling avenues for PSU employees were highlighted. The session concluded by reiterating the commitment to nurturing the next generation of professionals, offering valuable insights and strategic guidance for navigating the dynamic landscapes of Data Science and AI careers.



Image 1: Vineet Gupta addressing the students



Subjects and Weightage		DS GATE ACADEMY	
CS	%	Data Science & AI	%
General Aptitude	15	General Aptitude	15
Cond Data Structures	10	Python and Data Structures	8-12
Database Management	7	Algorithms	8-8
Theory of Computation	9	Database Management	8-10
Operating System	9	Maths (Probability and Statistics)	8-12
Digital Logics	5	Maths (Linear Algebra)	4-6
Algorithms	6	Maths (Calculus & Optimization)	4-6
Engineering Maths	8	Machine Learning (Supervised)	12-10
Discrete Maths	9	Machine Learning (Unsupervised)	8-11
Computer Organization and Architecture	8	Artificial Intelligence (AI)	8-12
Computer Networks	8		
Compiler Design	6		

Image 2: List of Subjects for GATE Preparation



Image 3: Addressing the student doubt by the speaker

As the event approached its conclusion, Shivamma D took the stage to extend heartfelt thanks on behalf of both the organizers and attendees, acknowledging everyone's involvement, contributions, and encouragement throughout the event.

The event then concluded at 1:00 PM, marking the end of a successful and motivative talk.

The participant feedback also underscored the success of the event, with positive responses highlighting various aspects such as the organization, content quality, engagement levels, and overall experience.

Report on

## EMPOWERHER CELEBRATION: HONORING WOMEN

The DataScience@DSU Club, the Department of CSE (Data Science) organized a Women's Day Celebration “**EMPOWER HER CELEBRATION: HONORING WOMEN**” held on 11th March 2024 on the occasion of International Womens Day organized by **Prof. Shivamma D**, Assistant Professor, Dept. of CSE (Data Science).

### Eminent Women Role Models of DSU Invited:

Dr. Mahalakshmi P  
 Dr. Pushpamala S  
 Dr. Savitha Hiremath  
 Prof. Nandhini

**Departmental Women Role Models:**

Dr. Shaila SG

Prof. Shivamma D

Ms. Divya R

**The Takeaways of the event are:**

1. **Awareness and Education:** Colleges often use International Women's Day as an opportunity to educate students about gender equality, women's rights, and the accomplishments and challenges faced by women globally.
2. **Empowerment:** Through various events, discussions, and activities, International Women's Day celebrations in college can empower women by highlighting their achievements, promoting self-confidence, and encouraging them to pursue their goals without constraints.
3. **Inclusivity and Diversity:** These celebrations emphasize the importance of inclusivity and diversity, recognizing that the fight for gender equality involves people of all genders, races, sexual orientations, and backgrounds.
4. **Community Building:** International Women's Day events provide a platform for building a sense of community among students, faculty, and staff who support gender equality. It fosters connections, solidarity, and collaboration among individuals with shared values.
5. **Advocacy and Activism:** Colleges often use International Women's Day to spark discussions about gender-based discrimination, violence against women, and other pressing issues. It encourages students to become advocates for change and to take action to address systemic inequalities.
6. **Inspiration and Role Models:** By highlighting the achievements of women in various fields, International Women's Day celebrations can inspire students to pursue their aspirations and goals. It also showcases diverse role models who can serve as sources of inspiration and motivation.
7. **Reflection and Progress:** These celebrations prompt reflection on the progress made toward gender equality while acknowledging the work that still needs to be done. It encourages individuals to examine their own beliefs and behaviors, fostering a commitment to creating a more equitable society.

**Detailed Report of DATASPHERE: IEEE DATA SCIENCE EXPLORATION**

All the eminent Women Role models were the part of the celebration, they motivated the students by sharing their experiences. The speeches delivered during the International Women's Day celebration at our college provided a diverse range of perspectives on the importance of gender equality and women's empowerment. Speakers emphasized the transformative power of education, the need for inclusivity and diversity, the importance of advocacy and activism, the influence of role models, and the significance of reflecting on progress and charting the path forward. Collectively, these speeches inspired students to become agents of change in their communities and to work towards a more equitable and inclusive society. This was followed by the celebration and Cake party.

**Few glimpses of the event:**





DAYANANDA SAGAR  
UNIVERSITY



## **SCHOOL OF ENGINEERING**

Department of Computer Science and Engineering  
(Data Science)



**"EMPOWERHER CELEBRATION: HONORING WOMEN"**

"JOIN US AS WE CELEBRATE THE REMARKABLE  
CONTRIBUTIONS AND ACHIEVEMENTS OF  
WOMEN THIS INTERNATIONAL WOMEN'S DAY!"

**DATE**

**11-03-2024**

**TIME**

**2.30 PM**

**VENUE**

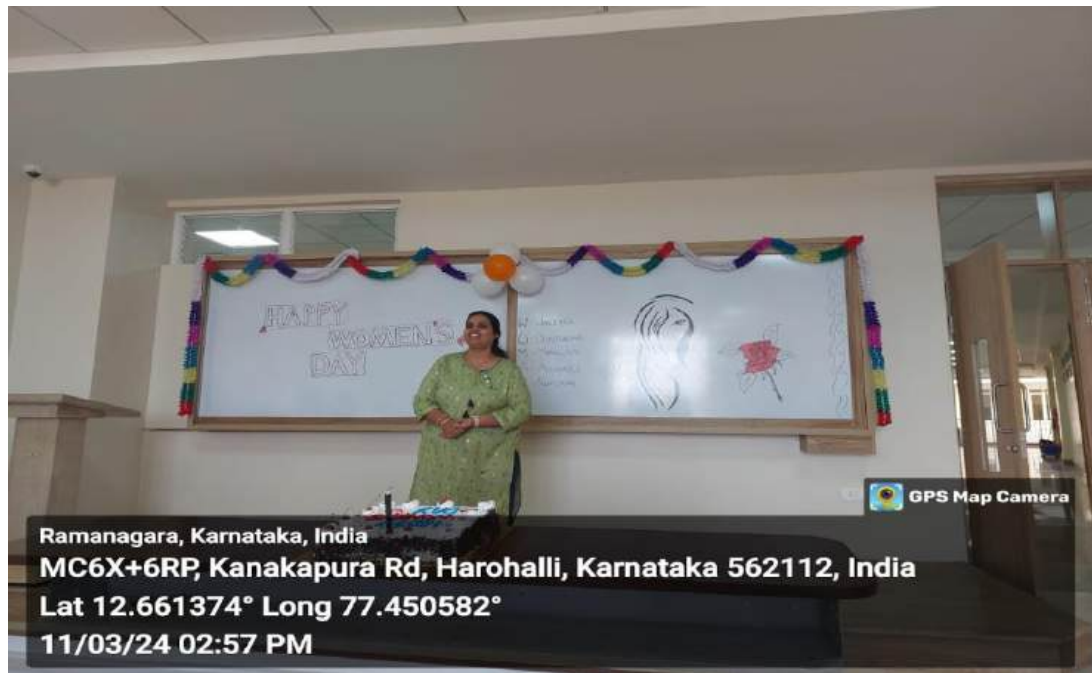
**A BLOCK-432, DSU, HAROHALLI.**

### **Conveners:**

Dr. Amit Bhatt  
Vice Chancellor, DSU  
Dr. Udaya Kumar Reddy KR  
Dean, SoE  
Dr. Shaila S G  
Chairperson, Dept. of CSE  
(DS)

### **Organizers:**

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





## Report on "EXPLORING PATHS IN DATA SCIENCE CAREERS"

The DataScience@DSU Club, the Department of CSE (Data Science) organized a Quiz "**AptiPrecision: Fine-Tuning Numerical Abilities**" held on 7th March 2024 organized by **Prof. Shivamma D**, Assistant Professor, Dept. of CSE (Data Science), and **Prof. Monish L**, Assistant Professor, Dept. of CSE (Data Science).

### The Takeaways of the event are:

1. Strengths and Weaknesses: Identify areas where you excel and areas where you may need improvement in terms of problem-solving, critical thinking, mathematical reasoning, etc.
2. Time Management: Understand how well you manage your time during the quiz. Did you complete all the questions within the allotted time, or did you struggle to finish?
3. Problem-solving Strategies: Reflect on the strategies you used to solve different types of questions. Determine which strategies were effective and which ones need refinement.
4. Conceptual Understanding: Assess your understanding of fundamental concepts in areas such as mathematics, logic, reasoning, and analytical thinking.
5. Preparation Needs: Identify any gaps in your knowledge or skills that need to be addressed through further study or practice.
6. Confidence Boost: Recognize areas where you performed well, which can boost your confidence in your abilities.
7. Areas for Improvement: Pinpoint specific topics or types of questions where you struggled and make a plan to improve in those areas.

### Detailed Report of **QUIZ-VENTURE: Enhance your skills with C**

The DataScience@DSU Club, under the Department of Computer Science and Engineering (Data Science), organized a Quiz event titled "AptiPrecision: Fine-Tuning Numerical Abilities" on March 7th,



2024. "Quiz-Venture" offers skill enhancement through engaging quizzes, fostering continuous learning and personal development. Join to level up your expertise with interactive challenges. The quiz was organized by Prof. Shivamma D, Assistant Professor, Department of CSE (Data Science), and Prof. Monish L, Assistant Professor, Department of CSE (Data Science). The Quiz was taken up by 41 students. The winners of the Quiz were:

Winners	Name	USN	Marks
First Place	Arian Kovacs	ENG22DS0049	17 / 20
Second Place	Sanjana T	ENG22DS0017	16 / 20
Third Place	Virika Olivia Soans	ENG22DS0024	15 / 20

**Few glimpses of the event:**





### Webinar on "Cyber Strategies for Cutting-Edge Data Science"

The DataScience@DSU Club, the Department of CSE (Data Science) organized a online Webinar on "Cyber Strategies for Cutting-Edge Data Science" held on 6th March 2024 organized by **Prof. Shivamma D**, Assistant Professor, Dept. of CSE (Data Science), and **Prof. Monish L**, Assistant Professor, Dept. of CSE (Data Science).

#### The Takeaways of the event are:

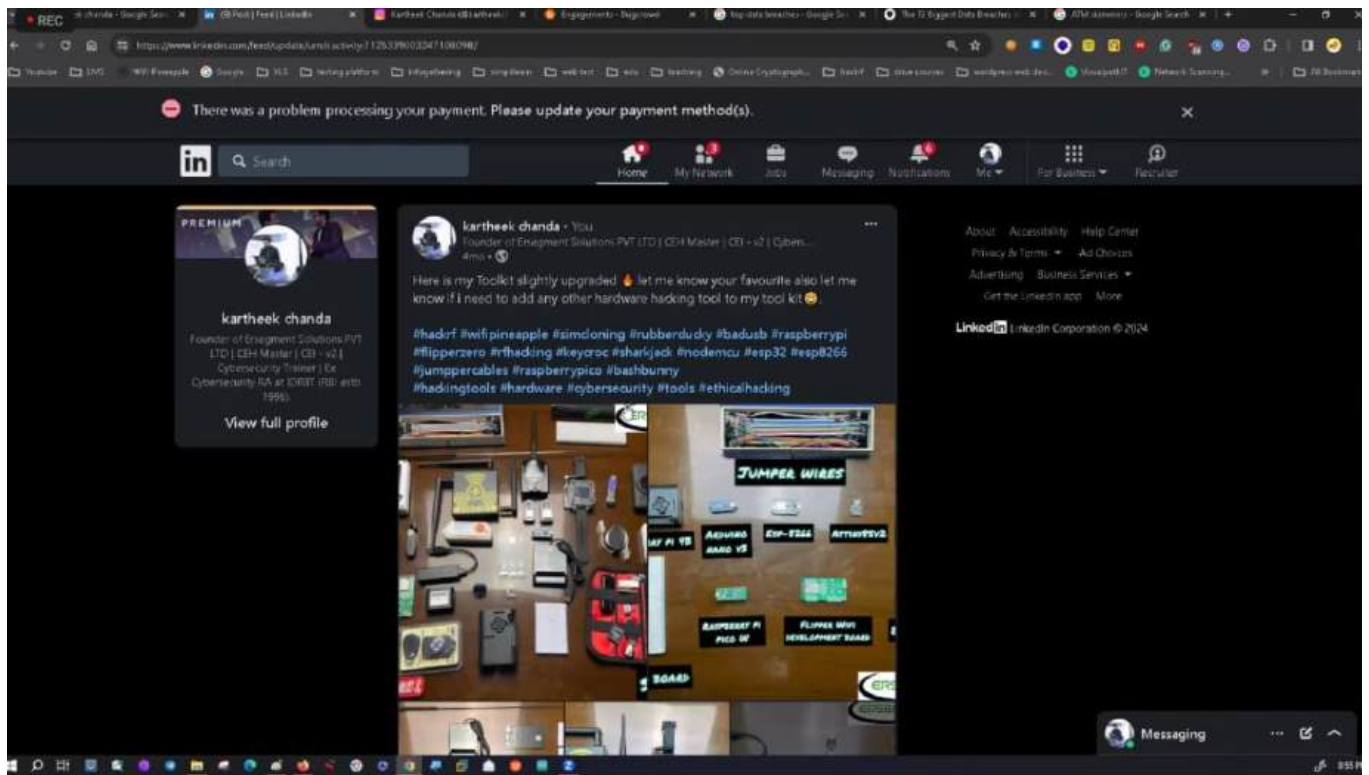
1. **Integration of Cybersecurity and Data Science:** The webinar emphasized the critical need to integrate cybersecurity measures into data science practices right from the outset. This integration ensures that data-driven insights are not only accurate but also secure from potential cyber threats.
2. **Threat Detection and Prevention:** Effective cybersecurity strategies highlighted in the webinar focused on proactive threat detection and prevention techniques. These include advanced analytics, machine learning algorithms, and anomaly detection to identify and mitigate potential cyber threats in real-time.
3. **Data Privacy and Compliance:** Maintaining data privacy and compliance with regulatory standards such as GDPR and HIPAA emerged as paramount concerns. The webinar discussed various strategies and best practices for safeguarding sensitive data and ensuring compliance with relevant regulations.
4. **Continuous Monitoring and Response:** Continuous monitoring of data systems and prompt response to cybersecurity incidents are essential components of a robust cyber strategy. The webinar emphasized the importance of implementing automated monitoring tools and establishing incident response protocols to minimize the impact of cyberattacks.
5. **Collaboration and Knowledge Sharing:** Collaboration among data scientists, cybersecurity experts, and other stakeholders is crucial for developing comprehensive cyber strategies. The webinar encouraged knowledge sharing and interdisciplinary collaboration to address evolving cyber threats effectively.

6. **Adoption of Emerging Technologies:** Embracing emerging technologies such as blockchain, homomorphic encryption, and secure multi-party computation can enhance the security and privacy of data science initiatives. The webinar highlighted the potential of these technologies in mitigating cyber risks and ensuring data integrity.

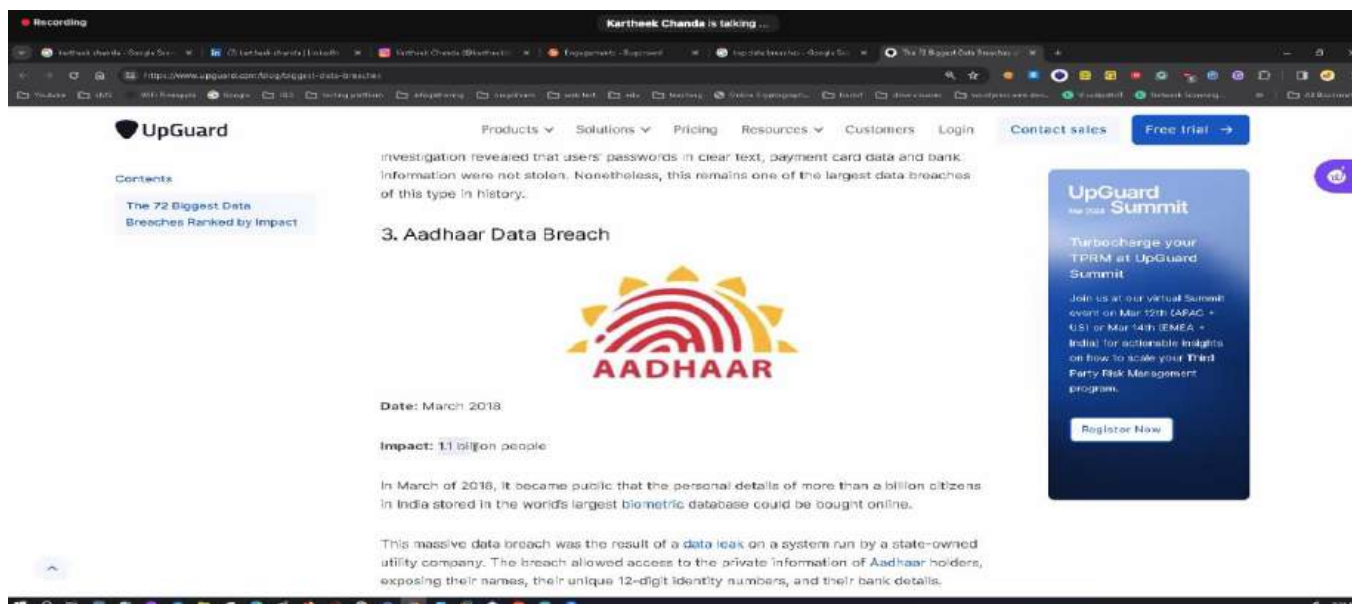
## Detailed Report of **Cyber Strategies for Cutting-Edge Data Science**

The DataScience@DSU Club, under the Department of Computer Science and Engineering (Data Science), organized an online Webinar on "**Cyber Strategies for Cutting-Edge Data Science**" on March 6th, 2024. The webinar emphasized integrating cybersecurity measures into data science practices and highlighted proactive threat detection, privacy compliance, and collaboration among stakeholders as essential strategies for safeguarding data assets in the digital age. The Webinar was organized by Prof. Shivamma D, Assistant Professor, Department of CSE (Data Science), and Prof. Monish L, Assistant Professor, Department of CSE (Data Science). The Webinar was attended by 42 students.

### Few glimpses of the event:







## Short Term Training “Java Coding Skill Test”

The DataScience@DSU club, Department of Computer Science Engineering (Data Science) in association with CSI has organized a short term training programme on **“Java Coding Skill Test”**. The targeted audience are 6th Semester students of CSE (DS). The department has taken an initiative to train the 6th semester students to enhance programming skills on various languages, aptitude skills to face interviews in the coming days. On 1st March, 2024 Dr. Kakoli Bora conducted a Java programming skill test from 11:00 AM to 1:00 PM.



**Dayananda Sagar University**  
School of Engineering, Kudlu Gate, Hosur Road  
Bengaluru - 560068

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



**A Short term training  
on  
"Java Coding Skill  
Test"**

**Venue:**  
T-303, Block "B",  
Campus-3

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

**Target Audience:**  
6th Semester Data Science  
Students

**Date & Time:**  
01.03.2024 @ 11:00 AM

**Co-ordinators:**  
Dr. Kakoli Bora  
Associate Professor  
CSE(Data Science),  
Campus-3, SOE, DSU

### The Takeaways of the event are:

1. Gain Knowledge on basic concepts of Java language
2. Improved problem solving skills
3. Exposure to different types of aptitude problems and solutions

### Few glimpses of the event:



### Report on “AWARENESS TALK ON THALASSEMIA”

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- SANKALP INDIA FOUNDATION, likely emphasized a few key points:


1. **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.
2. **The Role of Blood Donations:** Highlighting 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.
3. **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.


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

The speaker visited all the classrooms of 6th semester, SoE in Campus 3 and delivered the talk to the students.

**The Takeaways of the event are:**

- Understanding Genetic Blood Disorders
- Importance of Regular Blood Donations
- Challenges with Frequent Transfusions
- Advancements in Treatment Options
- Encouraging Community Participation

**DAYANANDA SAGAR UNIVERSITY**  
School of Engineering, Kudlu Gate, Bengaluru - 560068  
Department of Computer Science and Engineering  
(Data Science)




## AWARENESS TALK ON THALASSEMIA

Thalassemia: Genetic Blood Disorder Anemia, passed down through families. Early detection improves life. Genetic counseling helps understand risks. Seek support and treatment. Let's raise awareness!"

**Time:**  
11:00 AM

**SPEAKERS:**  
**Representative**  
From Sankalp India Foundation and  
Together With Us Foundator


**DATE:** 17th April 2024  
**VENUE:** DSU, Campus-3



**Event Conveners:**  
**Dr. Amit R Bhatt**  
Vice Chancellor, SoE, DSU  
**Dr. Udaya Kumar Reddy K R**  
Dean, School of Engineering, DSU  
**Dr. Shaila S G**  
Chairperson, Dept. of CSE(DS)

**Faculty Organizer:**  
**Dr. Kakoli Bora**  
Associate Professor, CSE(DS)  
**Prof. Shahwar Ara Kamal S**  
Assistant Professor, CSE(DS)

**Student coordinators**  
**V Nivas Reddy**  
**Abhishek N**





## Glimpses of the Event:



## Report on “Working in teams and Interpersonal Skills”

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 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.

**Resource Person:** Arun Ramachandran, Soft skill Trainer, CIL, DSI

**Objectives:**

1. Understand the importance of teamwork in achieving organizational goals.
2. Develop effective communication skills for collaborating within teams.
3. Enhance conflict resolution and problem-solving abilities.
4. Cultivate empathy and respect for diverse perspectives.
5. Learn strategies for building trust and fostering positive relationships.

**The Takeaways of the event are:**

1. Improved communication skills through active listening and clear articulation.
2. Acquired conflict resolution strategies for harmonious team dynamics.
3. Cultivated empathy and respect for diverse perspectives.
4. Fostered trust within teams through integrity and transparency.
5. Developed emotional intelligence for navigating interpersonal relationships effectively.

**Glimpses of the Event:**









## Report on “AWARENESS TALK ON THALASSEMIA”

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.

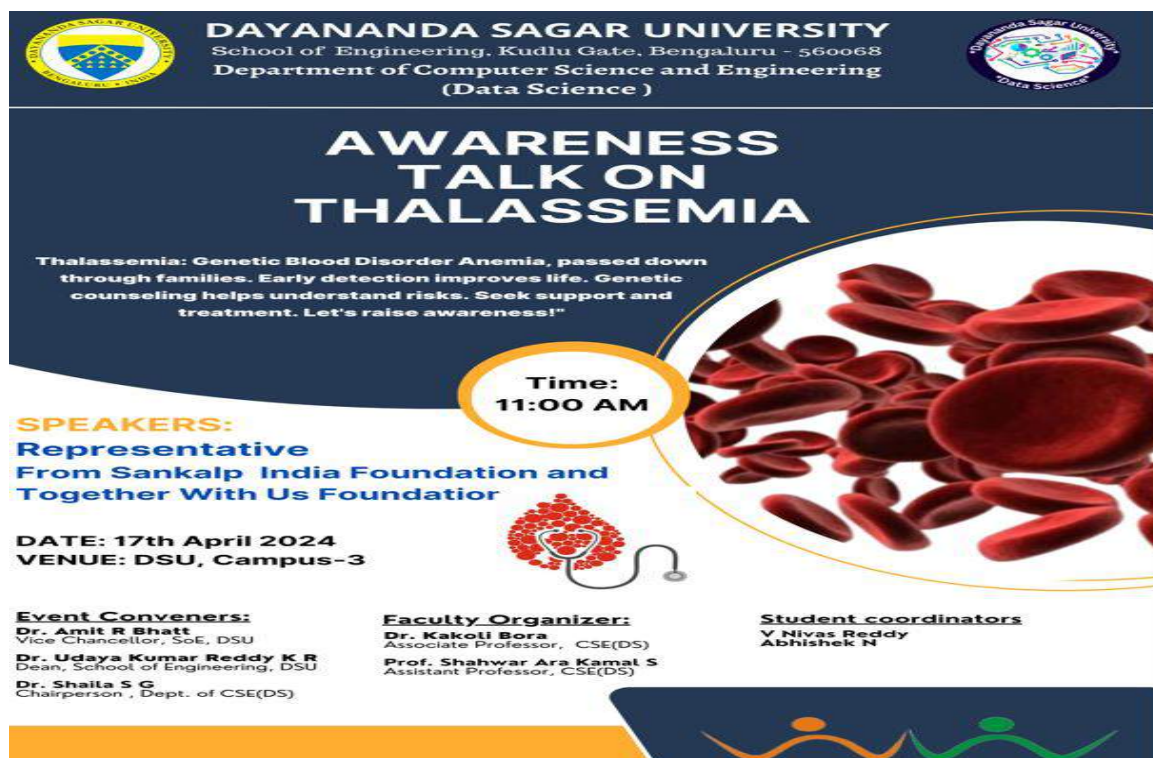
The Speaker of the talk **Mr. Rakesh Dhanya BV**, CEO- SANKALP INDIA FOUNDATION, likely emphasized a few key points:

1. **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.
2. **The Role of Blood Donations:** Highlighting 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.
3. **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.
4. **Safe Blood donation:** Discussed about the criterias for the donors. How a donor should prepare herself/himself before donating blood.

The speaker visited all the classrooms of 6th semester, SoE in Campus 3 and delivered the talk to the students.

**The Takeaways of the event are:**

- Understanding Genetic Blood Disorders
- Importance of Regular Blood Donations
- Challenges with Frequent Transfusions
- Advancements in Treatment Options
- Encouraging Community Participation



The poster is for an awareness talk on thalassemia. It features a dark blue background with a large, stylized illustration of red blood cells on the right side. The text is white and yellow. At the top, it says 'DAYANANDA SAGAR UNIVERSITY' and 'Department of Computer Science and Engineering (Data Science)'. The main title is 'AWARENESS TALK ON THALASSEMIA'. Below that, it says 'Thalassemia: Genetic Blood Disorder Anemia, passed down through families. Early detection improves life. Genetic counseling helps understand risks. Seek support and treatment. Let's raise awareness!'. The time is '11:00 AM'. The speakers are 'Representative From Sankalp India Foundation and Together With Us Foundation'. The date is '17th April 2024' and the venue is 'DSU, Campus-3'. At the bottom, it lists the event conveners, faculty organizer, and student coordinators.

**DAYANANDA SAGAR UNIVERSITY**  
School of Engineering, Kudlu Gate, Bengaluru - 560068  
Department of Computer Science and Engineering  
(Data Science)

**AWARENESS TALK ON THALASSEMIA**

Thalassemia: Genetic Blood Disorder Anemia, passed down through families. Early detection improves life. Genetic counseling helps understand risks. Seek support and treatment. Let's raise awareness!

**Time: 11:00 AM**

**SPEAKERS:**  
Representative  
From Sankalp India Foundation and  
Together With Us Foundation

**DATE: 17th April 2024**  
**VENUE: DSU, Campus-3**

**Event Conveners:**  
Dr. Amit R Bhatt  
Vice Chancellor, SoE, DSU  
Dr. Udaya Kumar Reddy K R  
Dean, School of Engineering, DSU  
Dr. Shaila S G  
Chairperson, Dept. of CSE(DS)

**Faculty Organizer:**  
Dr. Kakoli Bora  
Associate Professor, CSE(DS)  
Prof. Shahwar Ara Kamal S  
Assistant Professor, CSE(DS)

**Student coordinators**  
V Nivas Reddy  
Abhishek N

## Glimpses of the Event:



## Report on “Working in teams and Interpersonal Skills”

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 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.

**Resource Person:** Arun Ramachandran, Soft skill Trainer, CIL, DSI

**Objectives:**

1. Understand the importance of teamwork in achieving organizational goals.
2. Develop effective communication skills for collaborating within teams.
3. Enhance conflict resolution and problem-solving abilities.
4. Cultivate empathy and respect for diverse perspectives.
5. Learn strategies for building trust and fostering positive relationships.

**The Takeaways of the event are:**

1. Improved communication skills through active listening and clear articulation.
2. Acquired conflict resolution strategies for harmonious team dynamics.
3. Cultivated empathy and respect for diverse perspectives.
4. Fostered trust within teams through integrity and transparency.
5. Developed emotional intelligence for navigating interpersonal relationships effectively.

**Glimpses of the Event:**







## **Report on**

### **“Placement Training Session Module on Resume Writing / Group Discussion / Mock Interviews/ Grooming for interviews”**

The placement department in collaboration with the Department of CSE (Data Science) organized a placement training session held on 6th May 2024 organized by Mr. Vijay Kumar, Deputy Director, Placement and Skill Development, SoE DSU. The Resource Person Mr. Karthik C gave an insight on resume building, body language, communication, and responses to common interview questions.

#### **Morning Session:**

The session aimed to enhance the participants' skills in presentation, resume building, and group discussion techniques. It focused on aspects such as body language, confidence, language proficiency, eye contact, and the ability to articulate thoughts effectively.

The session commenced with a comprehensive discussion on presentation skills. The facilitator elucidated the key factors that HR personnel typically observe during presentations, including body language, confidence level, language proficiency, and eye contact. Furthermore, the facilitator provided insights into resume building, distinguishing between resumes, CVs, and biodata, and elucidating their respective purposes and formats. Subsequently, a debate was initiated on the topic of whether international or Indian food is preferred by Bengalurians. This debate served as a platform for participants to apply their presentation skills, articulate their arguments persuasively, and engage in constructive dialogue.

Following the debate, the facilitator transitioned to the topic of group discussions (GDs). An introductory discourse emphasized the significance of GDs in various professional settings and outlined the essential attributes for successful participation. These attributes included active listening, critical thinking, and effective communication.

The session culminated in a practical exercise wherein ten participants were invited to engage in a group discussion. Each participant was assigned a topic, providing them with an opportunity to apply the principles discussed earlier and receive real-time feedback on their performance.

#### **Key Takeaways:**

1. Understanding the importance of presentation skills in professional settings.
2. Differentiating between resumes, CVs, and biodata.
3. Developing the ability to engage in persuasive argumentation through debate.
4. Recognizing the significance of group discussions and honing essential skills for effective participation.

#### **Afternoon Session:**

The afternoon session aimed to equip participants with essential interview skills and strategies to effectively navigate stressful interview scenarios. Key focus areas included appropriate dress code, interview formalities, and techniques for handling stress interviews.

The session commenced with a detailed discussion on interview etiquette, emphasizing the importance of maintaining a professional demeanor and adhering to appropriate dress codes. The facilitator provided insights into the significance of first impressions during interviews and highlighted the role of body language and communication in conveying confidence and competence.

Subsequently, mock interviews were conducted for pairs of participants, allowing them to apply the concepts discussed earlier in a simulated interview environment. Each participant received personalized feedback and guidance from the facilitator, enabling them to identify and rectify any shortcomings in their interview performance promptly.

In the final segment of the session, the facilitator elucidated the concept of stress interviews and their role in evaluating candidates' ability to handle pressure. Strategies for managing stress during interviews were discussed, including maintaining composure, reframing challenges as opportunities, and employing relaxation techniques.

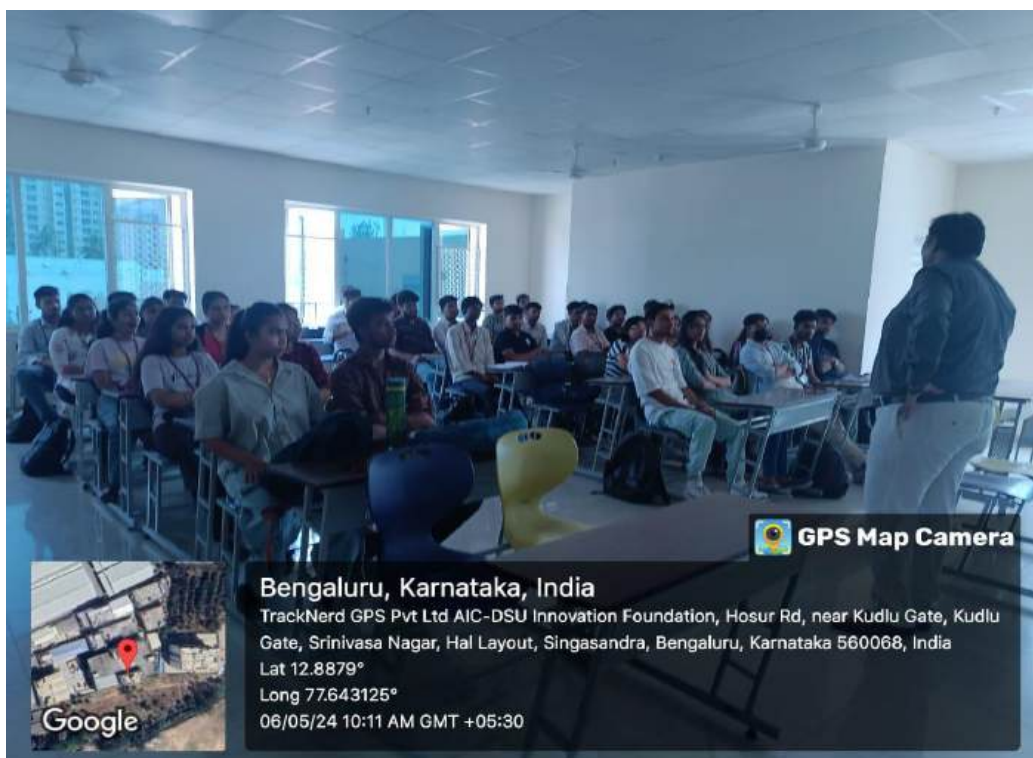
#### **Key Takeaways:**

1. Understanding the significance of interview etiquette and appropriate dress code.

2. Practicing interview skills through mock interviews and receiving personalized feedback.
3. Developing strategies for managing stress during interviews, particularly in high-pressure situations.
4. Enhancing overall confidence and preparedness for various types of interview scenarios.

**Feedback from the students was collected by the placement department which was satisfactory.**

**Few glimpses of the event:**





## Report on Future of Gen AI - Talk at Merck MITC

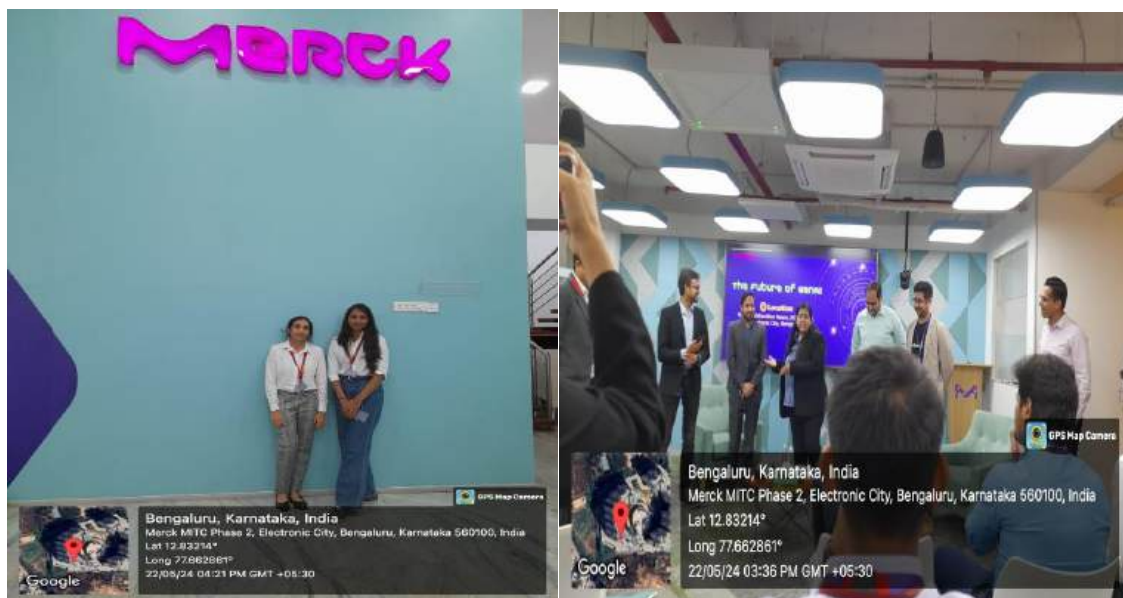
The placement department has arranged a talk for 10 students from 6 semesters across the departments. Two students from CSE(Data Science) Akshaya B(ENG21DS0006) and Chaithra K(ENG21DS0014) were selected to attend the event “MITC X FireSide Chat with MITC : The Future of GenAI” on 22nd May at Merck office, Bangalore from 11:00 AM onwards.

The event started with Introduction to Merck, its business, IT tech stack use, etc. The second phase featured the selection process for a campus ambassador. Candidates from various colleges presented their qualifications and motivations for the role. The selection process was competitive, with candidates showcasing their leadership abilities, communication skills, and understanding of Merck's values and objectives.

The final phase was a comprehensive panel discussion on the future of Generative AI, featuring esteemed panelists including an editor of an analytics magazine, an angel investor, a neuroscientist, and a data scientist from Merck. The discussion covered topics like : Future of Generative AI, Large Language Models, Impact on Jobs, Quantum and Cloud Computing, Edge Computing, and Generative AI in Health Science.

Overall, the event was highly informative, offering attendees a detailed understanding of Merck's operations, the process of selecting a campus ambassador, and the future prospects of Generative AI.

**Few glimpses of the event —**



## Report on Technical Writing in Multilingual Contexts

The DataScience@DSU Club, the Department of CSE (Data Science) organized a Workshop on **Technical Writing in Multilingual Contexts** held on 23rd May 2024 organized by **Prof. Monish L**, Assistant Professor, Dept. of CSE (Data Science), and **Prof. Shivamma D**, Assistant Professor, Dept. of CSE (Data Science).

The workshop on Technical Writing in Multilingual Contexts, organized by the DataScience@DSU Club and the Department of CSE (Data Science) on 23rd May 2024, shed light on the intricacies of producing high-quality technical documentation for diverse audiences. Led by Prof. Monish L and Prof. Shivamma D, Assistant Professors in the Department of CSE (Data Science), the event underscored the importance of a systematic approach in writing research papers.

Dr. Shaila's contribution to the talk on technical writing in multilingual contexts encapsulated the importance of a systematic approach to writing research papers. Beginning with meticulous topic selection and thorough preliminary research, attendees gained valuable insights into crafting a clear thesis statement and maintaining coherence through an organized outline. Dr. Shaila underscored the significance of conducting in-depth research, structuring body paragraphs effectively, and critically analyzing results. Her emphasis on these elements highlighted the importance of producing a meticulously revised and polished final draft, ready for scholarly submission. Dr. Shaila's guidance provided attendees with practical strategies to navigate the complexities of multilingual technical writing, ensuring clarity, accuracy, and adherence to scholarly standards in their research papers.

#### Takeaways:

1. Students gained insights into upcoming courses, enabling informed academic choices.
2. To focus on technical content writing, empowered students with practical skills and fostered active learning and participation.



DAYANANDA SAGAR  
UNIVERSITY



## School of Engineering

Devarakagalahalli, Harohalli, Kanakapura Road, Ramanagara Dt.- 562 112

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
(DATA SCIENCE)

Organising

WORKSHOP

# TECHNICAL WRITING IN MULTILINGUAL CONTEXTS

**RESOURCE PERSON:** Dr. Shaila S G  
Professor and Chairperson  
Dept. of CSE (DS), SOE, DSU



**23rd March, 2024  
at 11.00 AM to 12:50 PM**

#### Conveners:

Dr. Amit Bhatt  
Vice Chancellor, DSU  
Dr. Udaya Kumar Reddy KR  
Dean, SoE  
Dr. Shaila S G  
Chairperson, Dept. of CSE (DS)

#### Organizers:

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





## **Report on PROJECT PULSE**

The DataScience@DSU Club, under the guidance of the faculty coordinators Dr. Shaila S G, Professor and Chairperson, Dept. of CSE (DS) Dr. Kakoli Bora, and Prof. Manjula M, successfully organized the “Project pulse 2024: Data Science solutions for Cutting Edge Problems” Project Expo on 27th May 2024 at the Kudlu gate Campus, G033, B Block.

The event aimed to showcase the innovative projects developed by 8th- semester students from the Department of Computer Science and Engineering (Data Science) at DSU.

Event Details:

Date: 27th May 2024

Timing: 02:00 PM to 4:30 PM

Venue: G033, B Block, Kudlu Gate Campus

Expert panel members:

Dr. Gopalasharma Joshi Professor, CSE, SOE, DSU

Prof. Bhaskar Venugopalan Professor of Practice, Dept of CST, SOE, DSU

### **Organization and Planning:**

With the guidance of Faculty Coordinator Dr. Shaila S G, Chairperson the event was meticulously planned to ensure smooth execution.

Dr. Kakoli Bora and Prof. Manjula M provided valuable insights and support in coordinating various aspects of the event, including logistics and guest arrangements.

### **Promotion and Outreach:**

The event was promoted effectively through various channels, including posters, and email newsletters, under the direction of the faculty coordinators.

Their guidance ensured maximum outreach within the DSU community and beyond, resulting in a strong turnout of attendees.

### **Student Project Presentations:**

Faculty coordinators actively engaged with project presenters, offering guidance and encouragement throughout the preparation process.

Their support instilled confidence in the students, enhancing the quality of project presentations and interactions with attendees.

### **Guest Interaction:**

Faculty coordinators welcomed guests and facilitated interactions between attendees and project presenters.

Their presence added credibility to the event and provided guests with opportunities for meaningful discussions and networking.

### **Post-Event Feedback:**

Faculty coordinators played a key role in collecting feedback from participants and attendees, enabling a comprehensive evaluation of the event's success.

Their insights will be valuable in identifying areas for improvement and planning future events.

### **Winners:**

1st Prize: Team no.4

Preethika Ray, Rudra Narayan Chetty, Chandan M Poonacha; Guide: Dr. kakoli bora

2nd Prize: Team no.11

Avinash g, Sudharshan G K, Nishan S M, Maria Navya Princy; guide: prof. vaishali vb

3rd Prize: Team no.9

keerthana Hebbar R, Adyasha Roul, K Sai Pradeepthi, Kurli Likitha; guide: Dr. kakoli bora



# Dayananda Sagar University

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

Department of Computer Science and Engineering  
(Data Science)

Organizing "PROJECT PULSE" a Project Expo



**Venue:**  
G033 , B Block, Campus 3

**EXPERT PANEL:**  
**Dr. Gopalshrama Joshi, CSST**  
**Prof. Bhaskar Venugopalan, CST**



**Date & Time:**  
27.05.2024  
@ 2:00PM-4:30PM

## Event Conveners

Dr. Amit R Bhatt  
Vice Chancellor, SoE, DSU  
Dr. Udaya Kumar Reddy K R  
Dean, School of Engineering, DSU  
Dr. Shaila S G  
Chairperson , Dept. of CSE(DS)

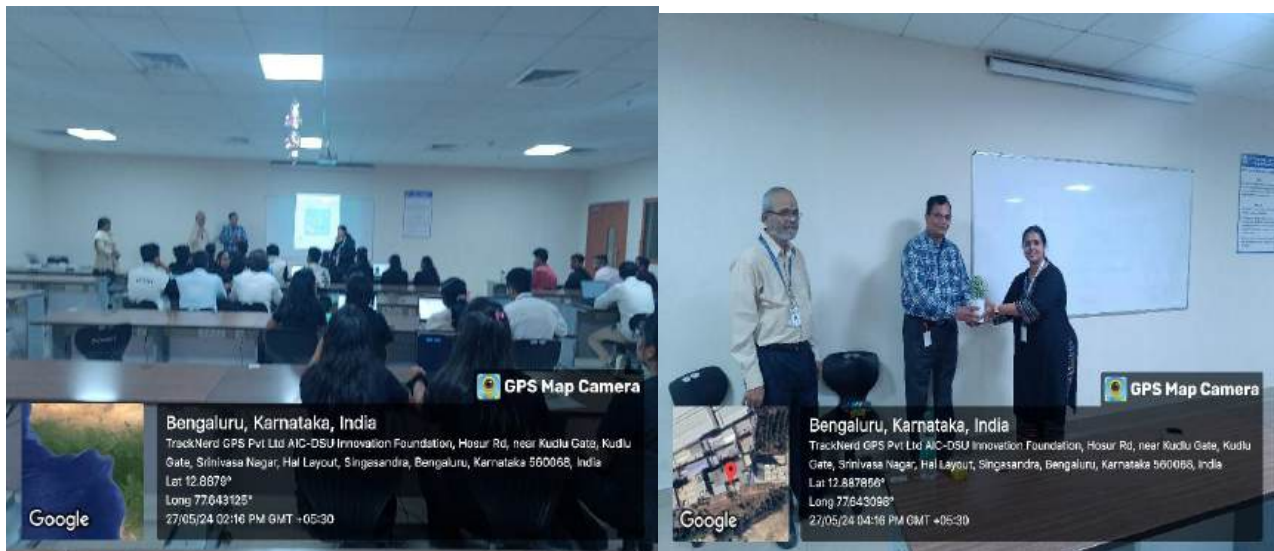
## Organizers:

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

## Co-ordinators:

Prof. Manjula M  
Prof. Shahwar Ara Kamal S





## Report on

### **Beginner's Guide to Machine Learning and Neural Networks**

The DataScience@DSU Club, the Department of CSE (Data Science) organized a Workshop on **Beginner's Guide to Machine Learning and Neural Networks** held on 8th June, 2024 at **9:00 AM- 1:00 PM** organized by **Dr. Shaila S G**, Professor and Chairperson (DS), **Prof. Shivamma D**, Assistant Professor, Dept. of CSE (Data Science), and **Prof. Monish L**, Assistant Professor, Dept. of CSE (Data Science). More than 40+ students have been registered for the event.

The event began with an overview of AI and neural networks, emphasizing their ability to simulate brain function with billions of interconnected nerve cells. Key topics included Static Neural Networks, their structure, and the role of threshold and activation functions in processing inputs. The seminar also covered Artificial Neural Networks (ANN), explaining their architecture and training processes.

Participants learned about the perceptron model and the importance of multilayer neural networks in capturing complex data patterns. Interactive workshop sessions provided practical experience, enhancing participants' understanding of neural network applications in machine learning.

### **Conclusion**

The workshop offered a thorough introduction to machine learning and neural networks, making complex concepts accessible to beginners. Participants gained a solid understanding of neural networks' functioning, activation functions' importance, and the training processes for effective models. Practical sessions enriched the learning experience, equipping attendees with skills to apply these concepts in real-world scenarios. This seminar significantly fostered interest and knowledge in artificial intelligence among the participants.

**Resource Person:** Dr. K S Sreedhar

Professor, Dept. of CSE, UBDT, Davanagere

### **Key Takeaways:**

1. Students gained a foundational understanding of neural networks, including their architecture, functioning, and the significance of activation functions, enabling them to grasp complex AI concepts.
2. Students learned how to apply machine learning techniques to real-world problems, preparing them for practical implementation and further study or work in the field of artificial intelligence.



3. Students enhanced their problem-solving skills, equipping them with the tools to tackle complex challenges in AI and data science.

### Objectives:

1. To provide participants with a fundamental understanding of artificial intelligence and neural networks, including their architecture, activation functions, and training processes.
2. To encourage a deeper interest in AI and machine learning, equipping participants with the skills and insights necessary for further study or professional work in these fields.

### Few glimpses of the event:



### Report on

## "Emerging Trends in AI and Data Science in Healthcare"

The DataScience@DSU Club, the Department of CSE (Data Science) organized a Workshop on "Emerging Trends in AI and Data Science in Healthcare" held on 30th July, 2024 to 31st July 2024 at 10:00 AM- 11:00 AM organized by **Dr. Shaila S G**, Professor and Chairperson (DS), **Prof. Shivamma D**, Assistant Professor, Dept. of CSE (Data Science), and **Prof. Monish L**, Assistant Professor, Dept. of CSE (Data Science). More than 50+ students have been registered for the event.

The event began with an overview of AI-powered tools in medical imaging, such as convolutional neural networks (CNNs), which improve the accuracy and speed of diagnosing conditions like tumors and fractures. In personalized medicine, AI algorithms analyze genetic and clinical data to tailor treatments to individual patients, increasing effectiveness. Data science facilitates predictive analytics for disease outbreaks and patient readmissions, optimizing healthcare resource allocation. Over 50 students joined the session and learned about AI algorithms in personalized medicine that analyze genetic and clinical data to tailor treatments to individual patients, increasing effectiveness.

## Conclusion

In conclusion, the event successfully highlighted the transformative impact of AI and Data Science in healthcare, inspiring participants to explore and contribute to this rapidly evolving field. The knowledge gained from the session underscored the importance of these technologies in shaping the future of medical care, emphasizing the need for continued innovation and ethical considerations to maximize their benefits.

**Resource Person:** 1. Dr. Vinutha, Associate Professor

2. Prof. Pradeep Kumar K , Assistant Professor

Dept. Of CSE (AIML), SOE, DSU

## Key Takeaways:

- Students learned how AI-powered tools, such as convolutional neural networks (CNNs), are used to improve diagnostic accuracy and speed in medical imaging.
- Students gained insights into how data science is used for predictive analytics in healthcare, including forecasting disease outbreaks and managing patient readmissions.

## Objectives:

- To provide students with a comprehensive understanding of how AI-powered tools, such as convolutional neural networks (CNNs), are utilized in medical imaging for enhancing diagnostic accuracy.
- To illustrate how AI algorithms analyze genetic and clinical data to develop personalized treatment plans, showcasing advancements in individualized medical care.
- To explain the role of data science in predictive analytics for healthcare, including forecasting disease outbreaks and optimizing patient management.
- To discuss the key challenges associated with AI in healthcare, including data privacy, ethical concerns, and the integration of AI technologies into existing systems.


## Few glimpses of the event:



Zoom Meeting: **Pradeep Kumar (Presenting)**

## Outline

- I. Introduction
- II. Medical content creation in the age of generative AI
- III. Content Generation Pipeline
- IV. Content Revision
- V. Quantization in The Large Language Model
- VI. Conclusion



10:09 AM | 100 participants

Zoom Meeting: **Pradeep Kumar (Presenting)**

## I. Introduction

- AI and ML healthcare tools are **cost effective, efficient and accurate healthcare services.**
- AI and ML healthcare tools such as **medical diagnosis, personalized medicine, drug development, clinical trials, medical imaging, and patient care.**
- These tools are helping to improve patient engagement and overall patient experience by providing **personalized care plans and facilitating communication between patients and healthcare providers.**
- AI and ML in healthcare is transforming the industry and has the potential to provide significant benefits for **patients, healthcare providers, and society as a whole.**

10:10 AM | 100 participants

Zoom Meeting: **Pradeep Kumar (Presenting)**

## Importance of AI and ML in healthcare

1. Early Detection of Diseases
2. Personalized Treatment
3. Reduced Medical Errors
4. Improved Drug Development
5. Cost Savings

10:10 AM | 100 participants