

# **Alva's Institute of Engineering & Technology**

**Shobhavana Campus, Mijar, Moodbidri, D.K – 574225**

## **Department of Information Science and Engineering**

in association with

## **Institution's Innovation Council**

### ***Students' Innovative Project Competition***

**26<sup>th</sup> April 2023**

### **Event Report**

The Department of Information Science and Engineering has organized Students' Innovative Project Competition for the final year students of ISE department on 26<sup>th</sup> April 2023, in association with the Institution Innovation Council (IIC), an Initiative of MHRD. Dr. Ahamed Shafeeq B M, Professor, Department of Computer Science & Engineering, Manipal Institute of Technology, Manipal, Karnataka was the external judge and Dr. G. Srinivasan, Professor, Department of Computer Science & Engineering, Alva's Institute of Engineering & Technology is the internal judge for evaluating the projects.

A total of 66 students had participated in the competition which was divided into 17 batches. Following are the details of students along with project title.

S. No.	Batch No.	USN	Name	Title of the Project
1.	B1	4AL19IS020	LATHESH	AUTOMATIC MUSIC CONTROL USING IMAGE PROCESSING AND MEDIA PIPE
2.		4AL19IS008	ARUNDATHI S BHAT	
3.		4AL19IS042	RAKSHITHA	
4.		4AL19IS044	RAVISH	
5.	B2	4AL19IS049	SHIVARAJ	AUTOMATIC IMAGE FRAGMENTATION FOR THE DETECTION OF ILLENES IN CASH CROPS USING DEEP LEARNING
6.		4AL19IS001	ABHISHEK	
7.		4AL19IS045	SATHWIK	
8.		4AL19IS010	BHUVANA	
9.	B3	4AL19IS024	MANOJ	SKIN CANCER DETECTION USING MACHINE LEARNING
10.		4AL19IS013	CHANDAN H	
11.		4AL19IS056	SHRUTHI CS	
12.		4AL19IS061	VAISHNAVI P S	
13.	B4	4AL19IS030	NISHA T	DETECTING SLEEPINESS OF THE DRIVER USING IMAGE PROCESSING TECHNIQUE
14.		4AL19IS051	SHRAVYA	
15.		4AL19IS026	NAMRATHA	
16.		4AL19IS063	VSHKER	
17.	B5	4AL19IS002	ABHISHEK V D	HUMAN ACTION RECOGNITION USING DEEP LEARNING TECHNIQUE
18.		4AL19IS003	ADARSH	
19.		4AL19IS025	MAYOORI	
20.		4AL19IS052	SHREYA L	
21.	B6	4AL19IS023	MANISHA	FOOD RECOGNITION AND CALORIE MEASUREMENT USING IMAGE PROCESSING AND CNN ALGORITHM
22.		4AL19IS017	JEEVITHA	
23.		4AL19IS041	RAKSHITH	
24.		4AL19IS031	PAVAN	
25.	B7	4AL19IS007	ANUSHA	MISSING PERSON IDENTIFICATION USING CONVOLUTIONAL NEURAL NETWORK
26.		4AL19IS058	SWATHI	
27.		4AL19IS057	SUDEEPA	
28.		4AL19IS005	AMRUTHA	
29.	B8	4AL18IS018	PRAKYATH	PLANT LEAF DISEASE DETECTION USING KNN ALGORITHM
30.		4AL18IS027	VIBHA MOHAN	
31.		4AL19IS035	PRATHIKSHA	
32.		4AL19IS006	ANANYA H S	

33.	B9	4AL19IS012	BRIJESH REDDY K H	PROTOCOLS FOR STORING, DISPLAYING, ERASING AND RETRIEVING PLAIN TEXT IMAGES IN THE CLOUD USING WATERMARKING-BASED TECHNIQUE
34.		4AL19IS037	PRENITA PRINSAL	
35.	B10	4AL19IS036	PREETHI	BREAST CANCER CLASSIFICATION AND IDENTIFICATION FROM HISTOPATHOLOGICAL IMAGES USING DEEP LEARNING MODEL
36.		4AL19IS022	MANILA	
37.		4AL19IS011	BINDHU	
38.		4AL19IS038	PUSHVIN	
39.	B11	4AL19IS027	NAYANA	IoT BASED MILK QUALITY MONITORING SYSTEM
40.		4AL19IS028	DEEPAK	
41.		4AL19IS029	NISHA M	
42.		4AL19IS050	SHRAVANI	
43.	B12	4AL19IS059	THIRTHA	BLOCK CHAIN BASED VACCINATION RECORD TRACKING
44.		4AL19IS053	SHREYAS MOOLYA	
45.		4AL19IS039	YAJNESH	
46.		4AL19IS048	YASH SHETTY	
47.	B13	4AL19IS032	POORNACHANDRA S	TRAFFIC LANE DETECTION USING MACHINE LEARNING TECHNIQUE
48.		4AL19IS033	PRASAD PATIL	
49.		4AL19IS040	RAGAVENDRA C V	
50.		4AL19IS034	PRASHANTH N M	
51.	B14	4AL19IS014	FAYIZ	FORECASTING SYSTEM OF DISEASES USING MULTIPLE MACHINE LEARNING LGORITHMS
52.		4AL19IS046	SHARANYA	
53.		4AL19IS054	SHRIHASTHA	
54.		4AL19IS062	VARSHITH	
55.	B15	4AL19IS015	GAGAN R J	CROP ECOMMENDATION AND EARLY DETECTION OF DISEASE USING MACHINE LEARNING AND IMAGE PROCESSIHNG
56.		4AL19IS004	ADWAITH P	
57.		4AL19IS009	BHAGYALAKSHI NAIK	
58.		4AL19IS021	MAMATHA D	
59.	B16	4AL19IS016	GOWTHAMI K M	HEART DISEASE DETECTION USING MACHINE LEARNING
60.		4AL19IS060	VAISHNAVI A S	
61.		4AL19IS043	RASHMI S K	
62.		4AL19IS047	SHEEKHA	
63.	B17	4AL18IS014	NAVEEN BHAVANI K	DETECTION OF PARKINSON'S DISEASE USING MACHINE LEARNING
64.		4AL19IS055	SHRIKARA R M	
65.		4AL19IS019	KAVYA KULKARNI	
66.		4AL19IS018	KFAROOQ ABDULLA	

All the projects evaluated by the judges based on the Problem Formulation, Experimental Observations, Theoretical Modelling, Results, Presentation, Answering Queries and impact on Society and Economic Benefits. Following are some sample snapshots taken during project exhibition.







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Karnataka  
India

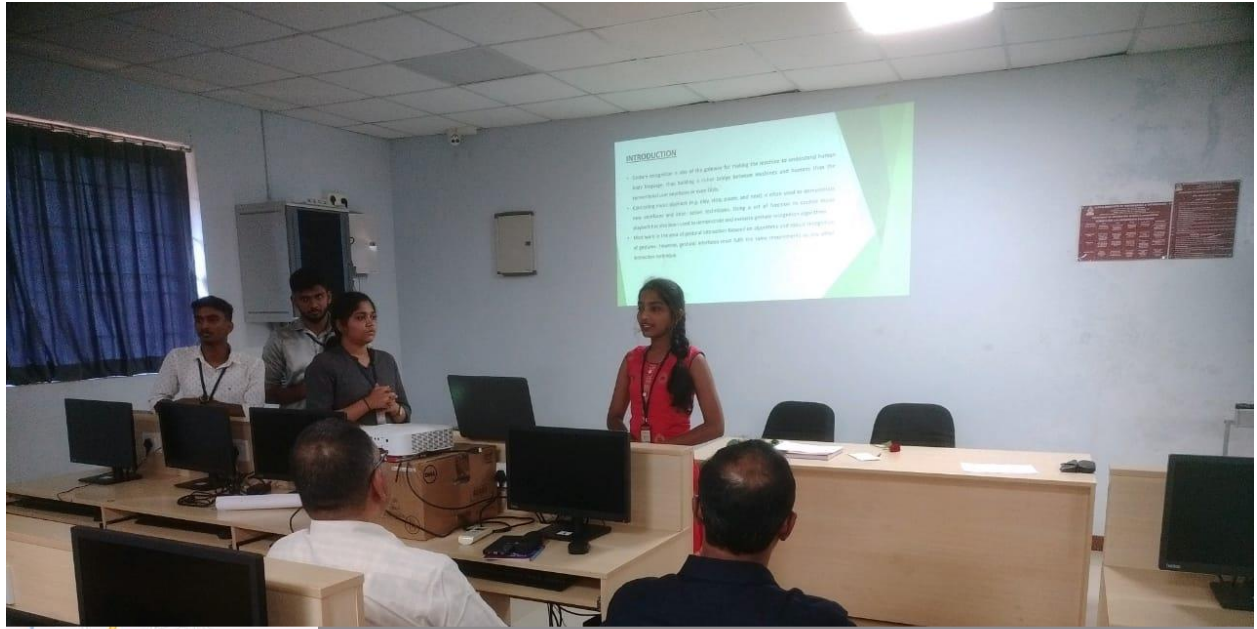
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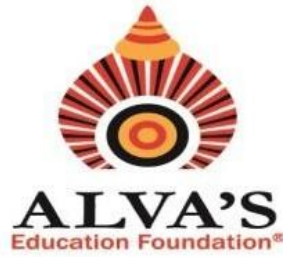
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Karnataka  
India

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Best two projects were selected by the judges after review and are as follows.

S. No.	Batch No.	USN	Name	Title of the Project
1.	B11	4AL19IS027	NAYANA	IoT BASED MILK QUALITY MONITORING SYSTEM
2.		4AL19IS028	DEEPAK	
3.		4AL19IS029	NISHA M	
4.		4AL19IS050	SHRAVANI	
5.	B12	4AL19IS059	THIRTHA	BLOCK CHAIN BASED VACCINATION RECORD TRACKING
6.		4AL19IS053	SHREYAS MOOLYA	
7.		4AL19IS039	YAJNESH	
8.		4AL19IS048	YASH SHETTY	



## **Alva's Institute of Engineering & Technology**

**Shobhavana Campus, Mijar, Moodbidri, D.K – 574225**

### **Institution's Innovation Council**

## **Hands-on Session on Innovative Web Designing**

**11<sup>th</sup> April 2023**

### **Event Report**

#### **Event Objective:**

- To bring out the creative idea of students and to gauge their knowledge and awareness of various trends in Web Designing.
- To motivate the students based on their creative aspects.
- To trigger thought process among the students towards recent trends in the field of Web Designing.
- To motivate the students to spend time in meaningful activity and to be a creator of the digital world instead.
- To unleash students' creativity and to actualize their imagination.



## Highlights:

The Institution's Innovation Council of Alva's Institute of Engineering & Technology has organized a "Hands-on Session on Innovative Web Designing" on 11<sup>th</sup> April 2023 from 9.30 am to 12.30 pm at CAMD Lab – Mechanical Block. The resource person is Mr. Pradeep V, Sr. Asst. Professor, Dept. of Information Science and Engineering. In the session, he has provided the hands-on session on the following topics:

- Introduction to Web designing and HTML
- Creating an HTML document
- Mark up Tags
- Heading-Paragraphs
- Elements of HTML
- Working with Text
- Introduction to Hyperlinks, Images and Multimedia

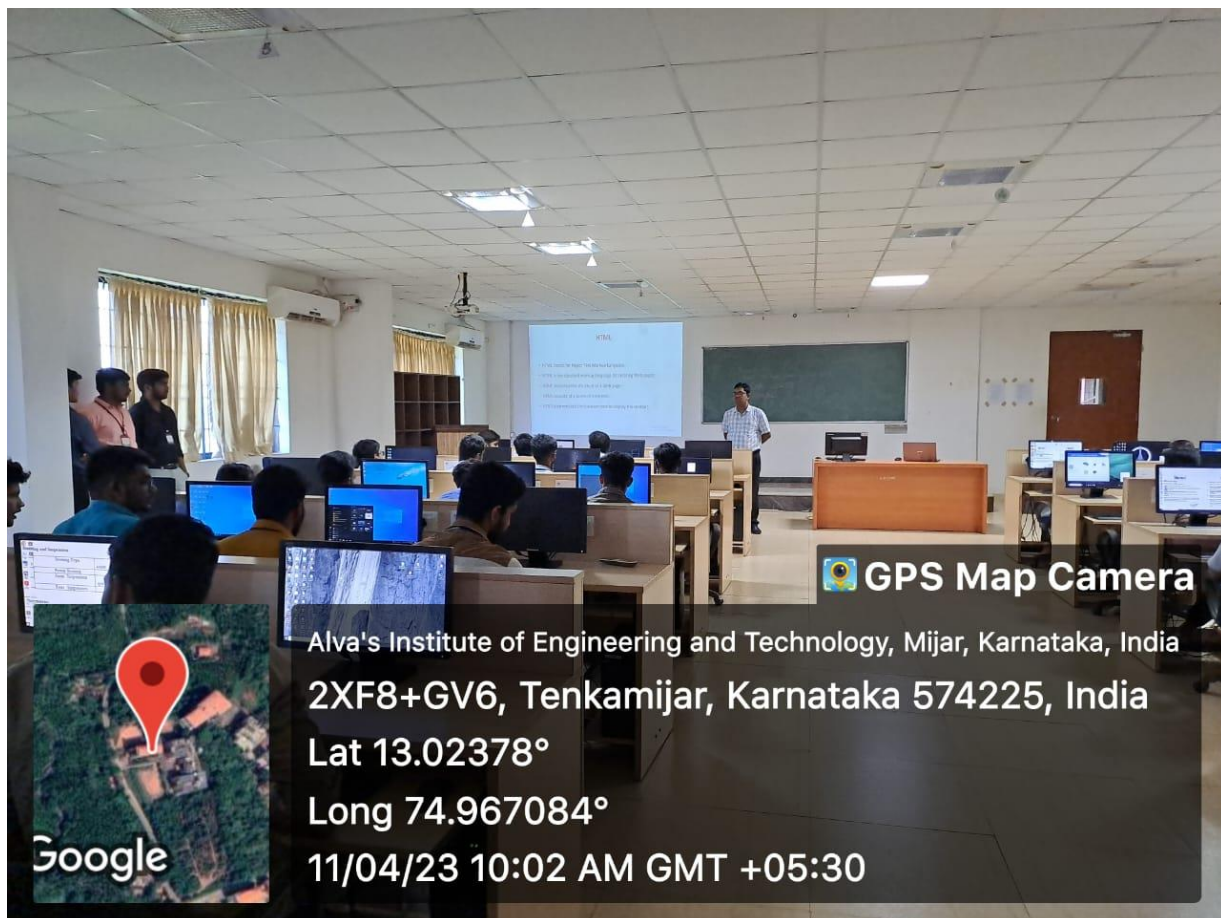
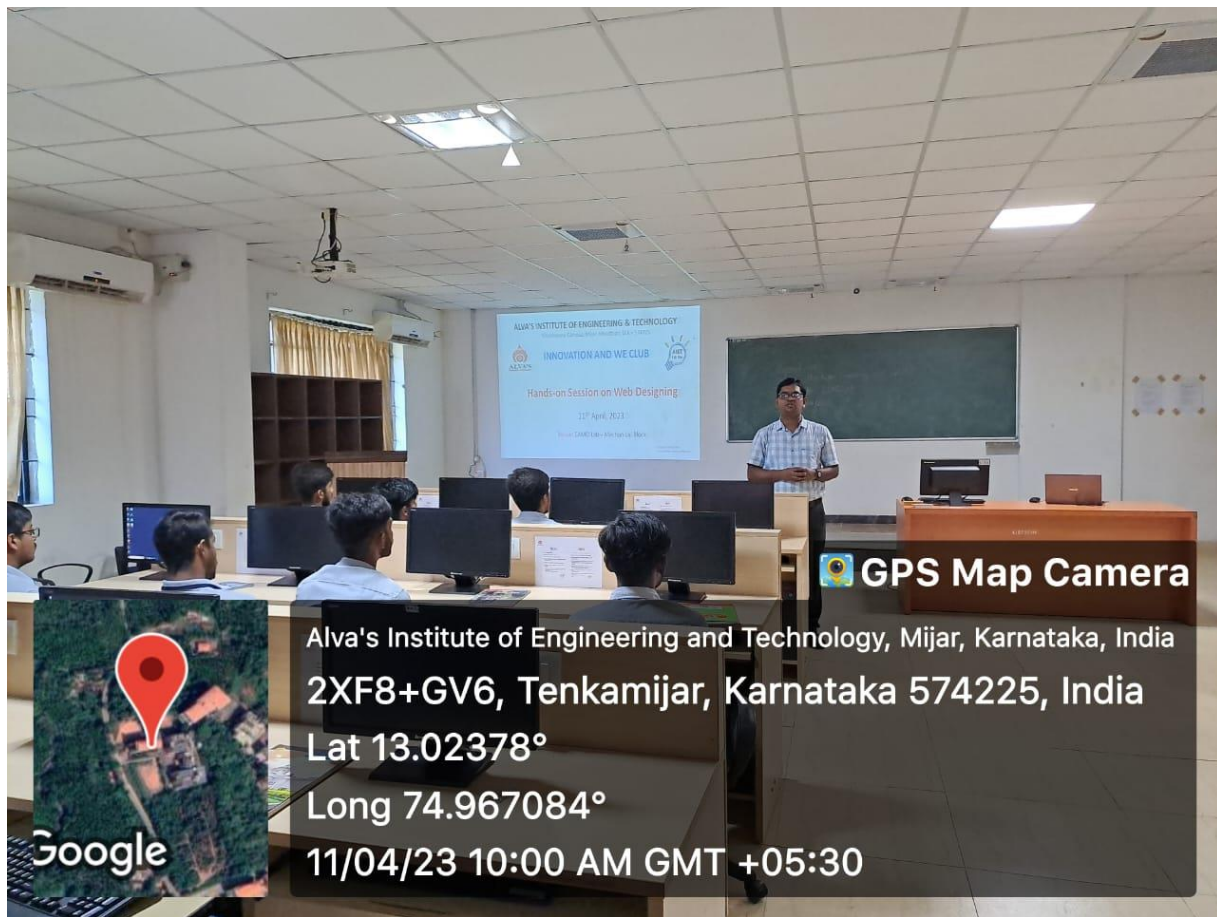
The Coordinator of Innovation and We Club, Dr. Satyanarayan, Head - Mechanical Engineering, Department Faculty Coordinators of the Club and 42 Students of Mechanical, Civil and ECE Students participated and benefited from the program.

## Inauguration of the Event:

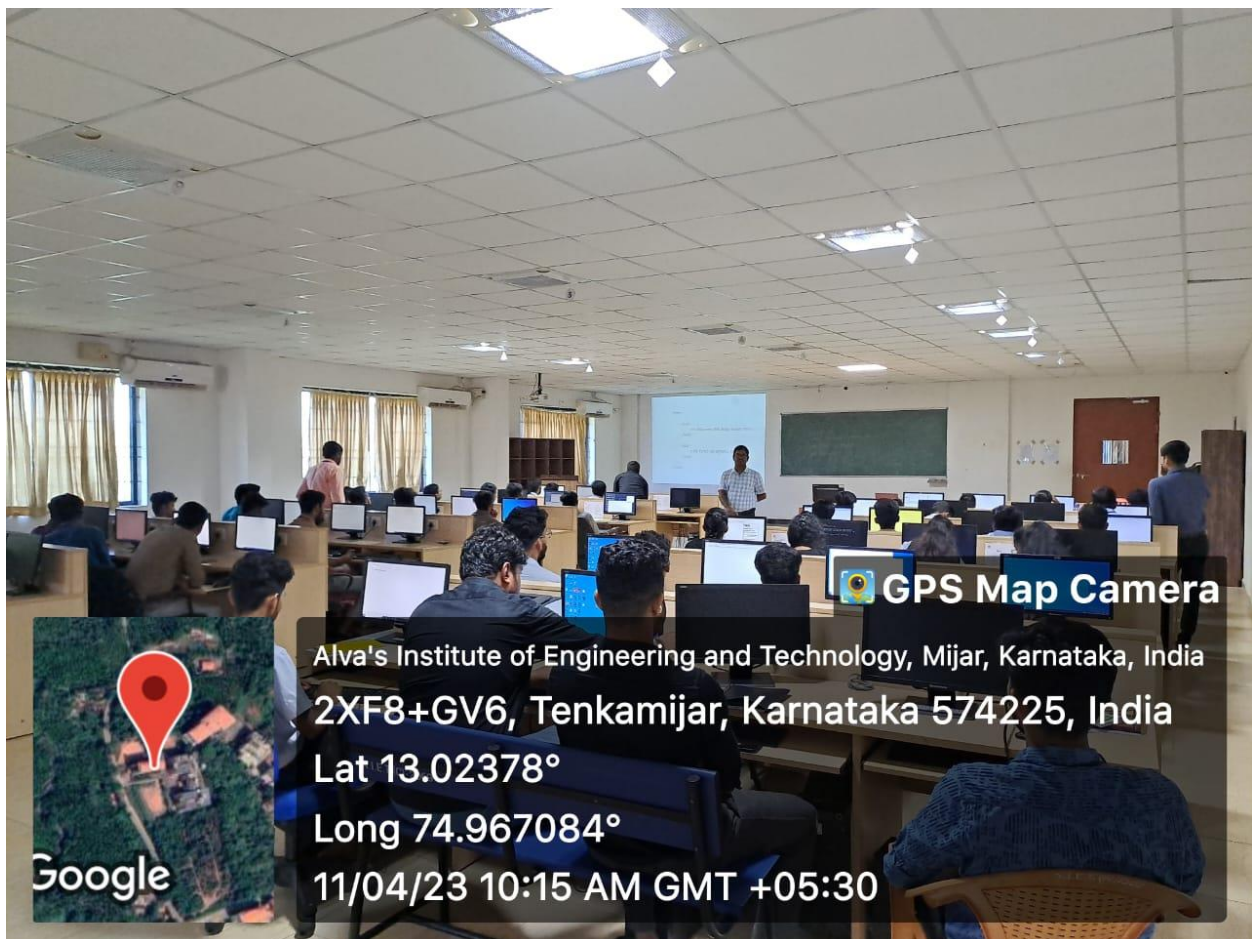
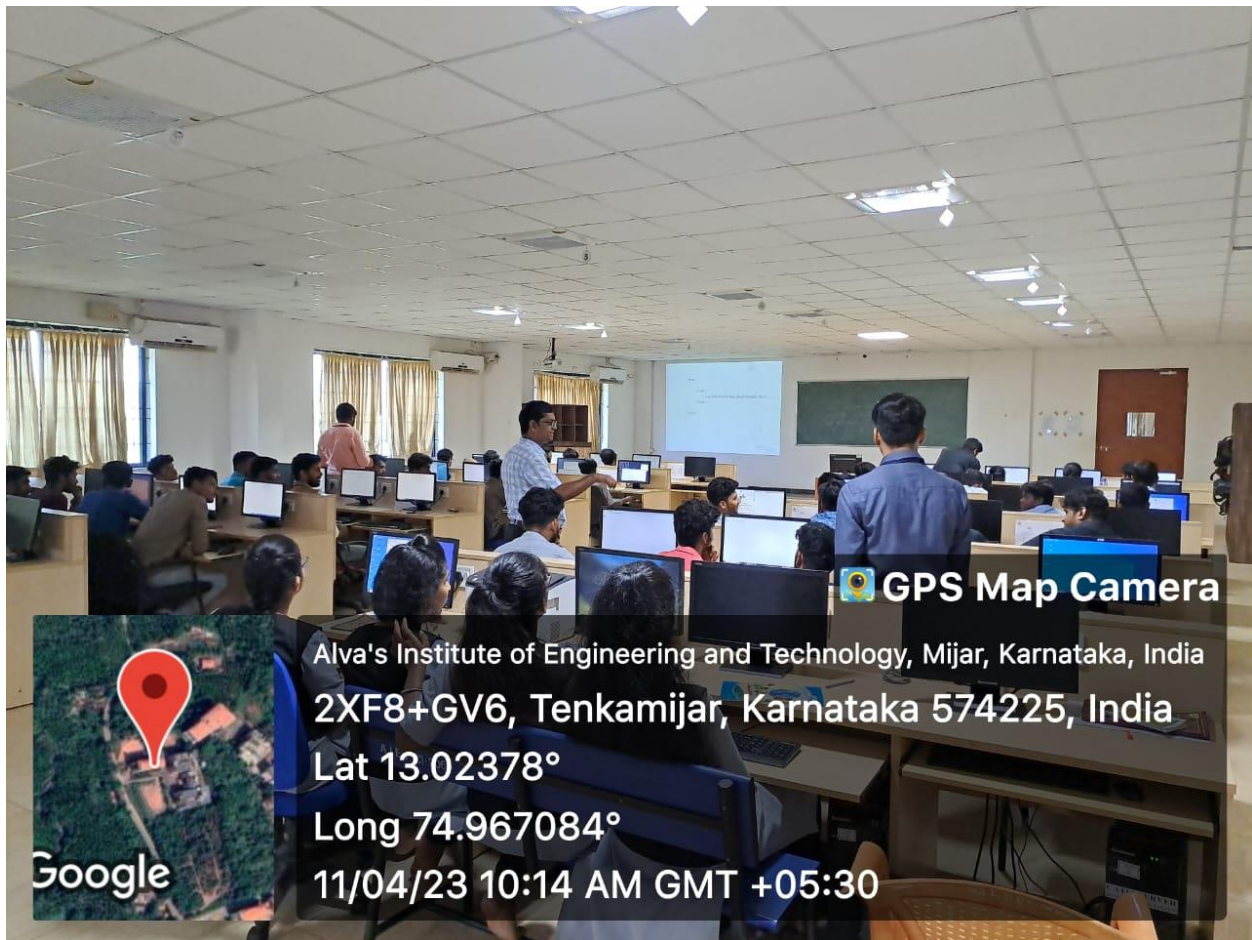


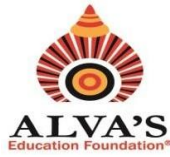


## Session Snapshots:









# **Alva's Institute of Engineering & Technology**

**Shobhavana Campus, Mijar, Moodbidri, D.K – 574225**

## **Department of Information Science and Engineering**

in association with

## **Institution's Innovation Council**

### **Hands-on Workshop on Innovative Web Programming**

**14<sup>th</sup> February 2023**

### **Event Report**

#### **Event Objective:**

- To bring out the creative idea of students and to gauge their knowledge and awareness of various trends in Web Programming.
- To motivate the students based on their creative aspects.
- To trigger thought process among the students towards recent trends in the field of Web Programming.
- To motivate the students to spend time in meaningful activity and to be a creator of the digital world instead.
- To unleash students' creativity and to actualize their imagination.

## Highlights:

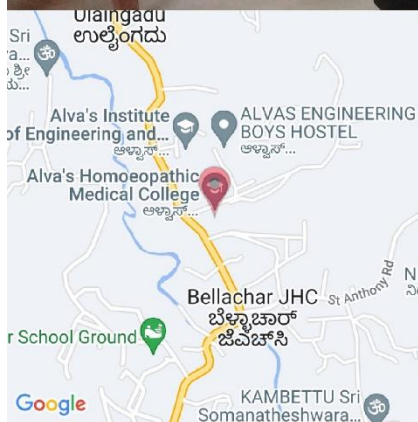
The Department of Information Science and Engineering has organized the Hands-on Workshop on Innovative Web Programming on 14<sup>th</sup> February 2023, in association with the Institution Innovation Council (IIC), an Initiative of MHRD. The resource persons are Mr. Devdutt and Ms. Nistara of BACCE Foundation. In the workshop, they have provided the hands-on session on the following topics:

- Introduction to Web designing and HTML
- Creating an HTML document
- Mark up Tags
- Heading-Paragraphs
- Elements of HTML
- Working with Text
- Working with Lists, Tables and Frames
- Working with Hyperlinks, Images and Multimedia
- Working with Forms and controls
- Introduction to Cascading Style Sheets
- Introduction to Web Publishing
- Introduction to Java Script
- Form Validation with HTML and Java Script

The Head and Faculty Members of Department of ISE, President, Convenor and Faculty Coordinators of Institution's Innovation Council and 54 Students of II-year B.E. were participated and benefited from the program.



## Snapshots:



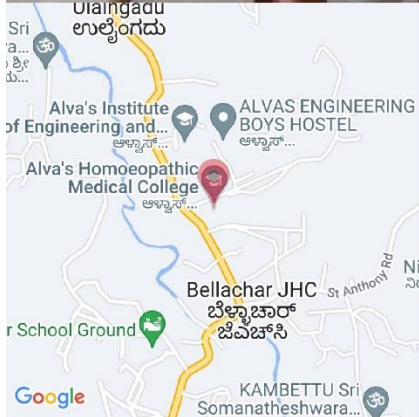
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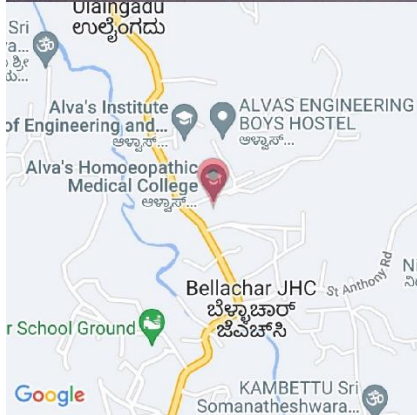
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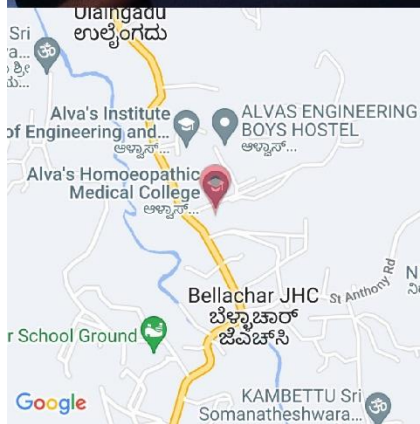
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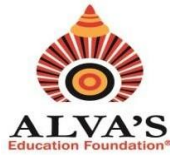
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# **Alva's Institute of Engineering & Technology**

**Shobhavana Campus, Mijar, Moodbidri, D.K – 574225**

## **Department of Information Science and Engineering**

in association with

## **Institution's Innovation Council**

***Workshop on Innovative use of Database technologies for  
building applications***

**17<sup>th</sup> November 2022**

### **Event Report**

#### **Event Objective:**

- To bring out the creative idea of students and to gauge their knowledge and awareness of various trends in Database Technology.
- To motivate the students based on their creative aspects.
- To trigger thought process among the students towards recent trends in the field of Database Technology.
- To motivate the students to spend time in meaningful activity and to be a creator of the digital world instead.
- To unleash students' creativity and to actualize their imagination.

## **Resource Person:**

**Mr. Nikhil S Acharya**

Software Engineering Analyst

Capgemini Technology Services India Limited, Bangalore

## **Highlights:**

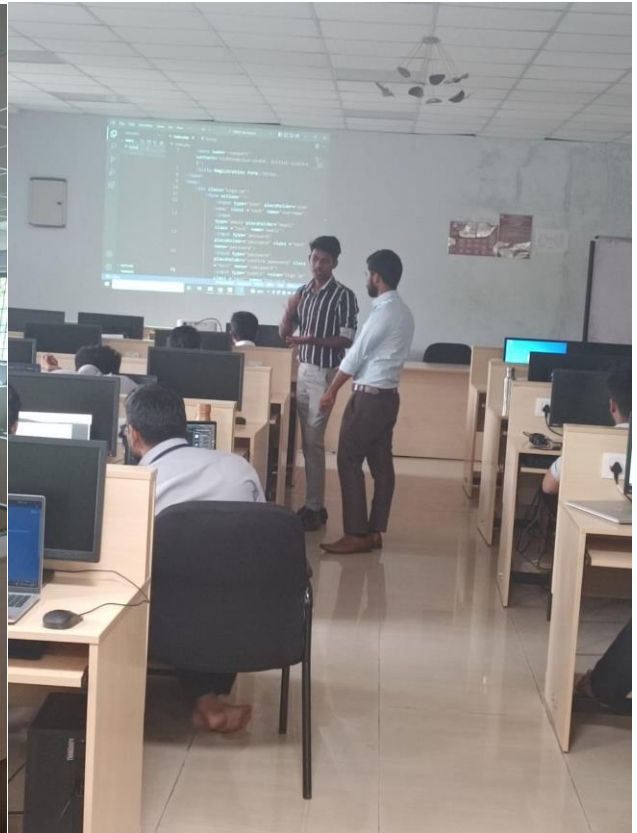
The Department of Information Science and Engineering has organized the Workshop on “Innovative use of Database technologies for building applications” on 17<sup>th</sup> November 2022, in association with the Institution Innovation Council (IIC), an Initiative of MHRD. In the workshop, the resource person, Mr. Nikhil S Acharya has provided the hands-on session on the following topics:

- Setting up a basic PHP and MySQL development environment on Linux and Windows.
- Writing scripts using the basic functionality of the language.
- Using strings, arrays and associative arrays.
- Using regular expressions to search and modify data.
- Using the object-oriented features.
- Reading and writing to files.
- PHP scripts that query and update a MySQL database.
- Using cookies and sessions for authentication.
- Implementing security and using debugging features.

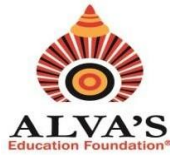
The Head and Faculty Members of Department of ISE, President, Convenor and Faculty Coordinators of Institution’s Innovation Council and 56 Students of III-year B.E. were participated and benefited from the program.

## Snapshots:









# **Alva's Institute of Engineering & Technology**

**Shobhavana Campus, Mijar, Moodbidri, D.K – 574225**

## **Department of Information Science and Engineering**

in association with

## **Institution's Innovation Council**

### **Workshop on Creating Innovative Web Designs**

**28<sup>th</sup> October 2022**

### **Event Report**

#### **Event Objective:**

- To bring out the creative idea of students and to gauge their knowledge and awareness of various trends in Web Technology.
- To motivate the students based on their creative aspects.
- To trigger thought process among the students towards recent trends in the field of Web Technology.
- To motivate the students to spend time in meaningful activity and to be a creator of the digital world instead.
- To unleash students' creativity and to actualize their imagination.

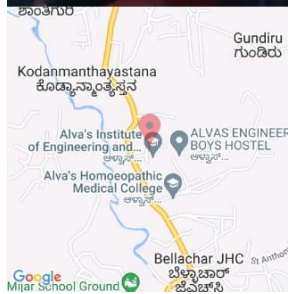
## **Highlights:**

The Department of Information Science and Engineering has organized the Workshop on Creating Innovative Web Designs on 28<sup>th</sup> October 2022, in association with the Institution Innovation Council (IIC), an Initiative of MHRD. The resource person is Mr. Pradeep V, Sr. Asst. Professor, Dept. of Information Science and Engineering. In the workshop, he has provided the hands-on session on the following topics:

- Introduction to Web designing and HTML
- Creating an HTML document
- Mark up Tags
- Heading-Paragraphs
- Elements of HTML
- Working with Text
- Working with Lists, Tables and Frames
- Working with Hyperlinks, Images and Multimedia
- Working with Forms and controls
- Introduction to Cascading Style Sheets
- Introduction to Web Publishing
- Introduction to Java Script
- Form Validation with HTML and Java Script

The Head and Faculty Members of Department of ISE, President, Convenor and Faculty Coordinators of Institution's Innovation Council and 52 Students of II-year B.E. were participated and benefited from the program.

## Snapshots:



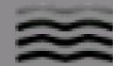
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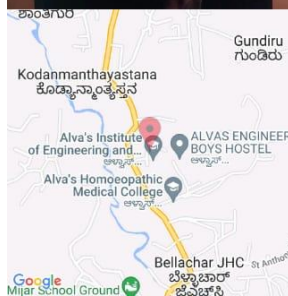
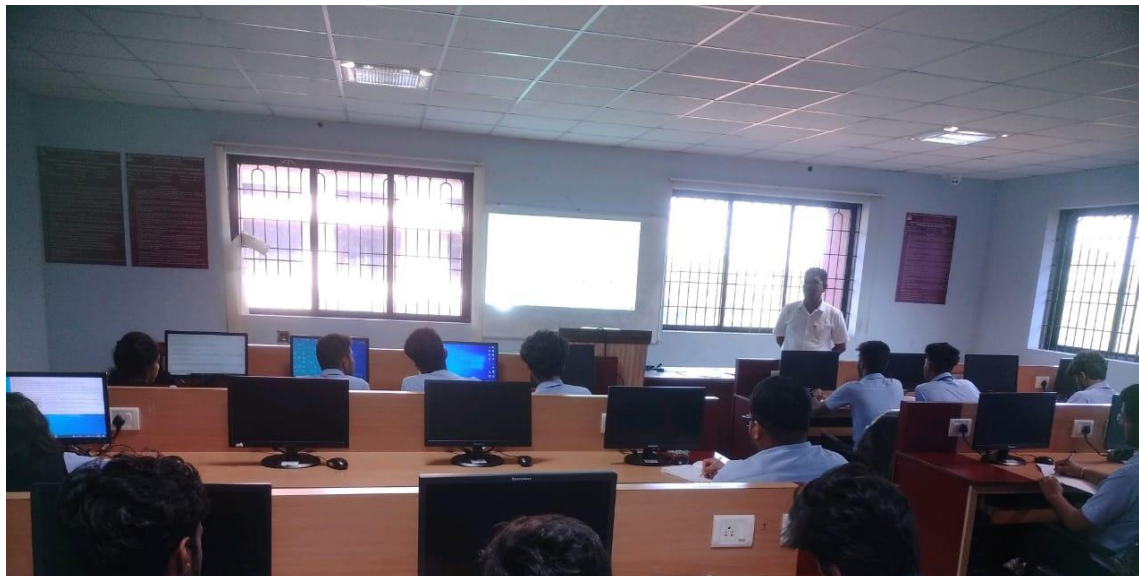
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Badagumijaru

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# **Iva's Institute of Engineering & Technology**

**Shobhavana Campus, Mijar, Moodbidri, D.K – 574225**

**Department of Information Science and Engineering**

in association with

**Institution's Innovation Council**

## **Innovative Idea Contest**

**20<sup>th</sup> October 2022**

### **Event Report**

#### **Event Objective:**

- To bring out the creative idea of students and to gauge their knowledge and awareness of various trends in Engineering and Technology.
- To judge the students based on their creative aspects.
- To trigger thought process among the students towards recent trends in the field of Engineering and Technology.
- To motivate the students to spend time in meaningful activities.
- To unleash students' creativity and to actualize their imagination.

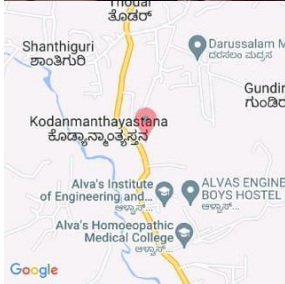
## Report:

The Department of Information Science and Engineering in association with Institution's Innovation Council had celebrated Innovation Day to commemorate the birth anniversary of Dr. A. P. J. Abdul Kalam by organizing Innovative Idea Contest on 20<sup>th</sup> October 2022. The following ideas were presented by the II-year students of Information Science and Engineering.

Team No	USN	Name	Title
1	4AL21IS004	Akash Devadiga	Automatic braking system at emergency situations.
	4AL21IS021	Kelvin Dmello	
	4AL21IS054	Sooraj	
2	4AL21IS008	Anirudh Kamath K	An innovative approach for women and children's security-based location tracking system
	4AL21IS051	Shravitha	
	4AL21IS052	Shreya Rai	
3	4AL21IS018	Harshitha B	Sensor based accident prevention system in curving
	4AL21IS035	Pragathi G Gowda	
	4AL21IS044	Sapthami	
4	4AL21IS042	Sanjay G K	Deduction of breakages of pipes using sensors
	4AL21IS056	Srikanth Raju Srinivas	
	4AL21IS039	Preetham Byadagi	
5	4AL21IS017	Gowrish N	Visualising and Forecasting stocks using Dash
	4AL21IS020	Karthik Madakari T P	
	4AL21IS061	Syed Saleha	

The students' presentation of their ideas followed by the questionnaire session were focused on relevance and validation of problem, societal problem solving, feasibility of solution and creativity in the idea.

## Snapshots



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Badagumijaru

Karnataka

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Karnataka

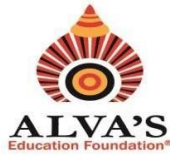
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# **Alva's Institute of Engineering & Technology**

**CODERS OF ALVAS AND TECHGEEZ**

**Shobhavana Campus, Mijar, Moodbidri, D.K – 574225**

## **Report on Session for SQL**

**Date: 2<sup>nd</sup> September 2022**

**Time: 9.00 AM**

**Venue: ISE Lab, III Floor, Admin Block**

**Resource Person:**

**Mr. YASH**

**IIC- Innovation Ambassador**

**Sr. Assistant Professor, Department of Information Science and Engineering, AIET**

### **Highlights:**

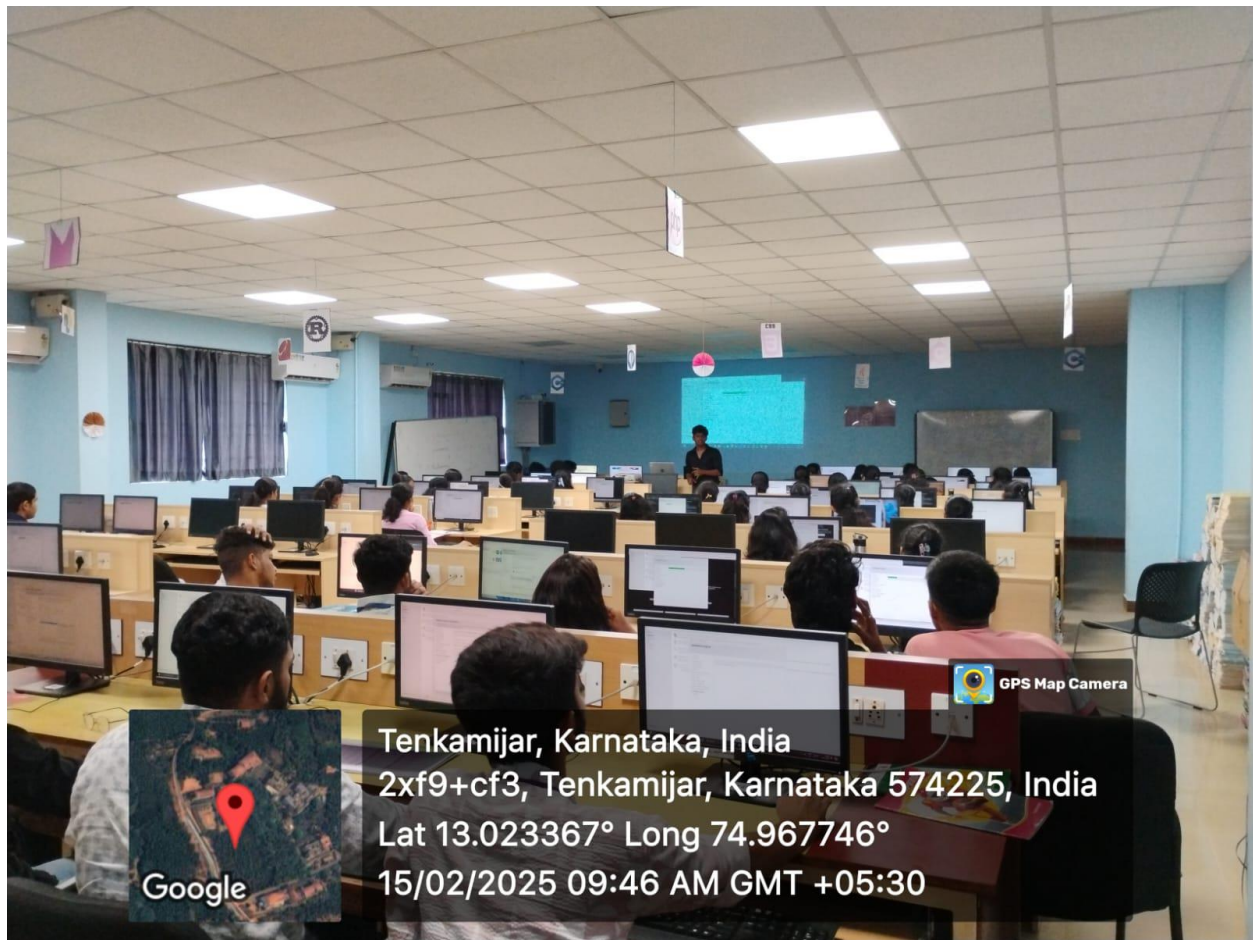
AIET organized a session for internal students on **SQL (Structured Query Language)** on 15th March 2024, in association with the Institution's Innovation Council (IIC), an initiative of MHRD. The resource person for the session was **Mr. YASH**, IIC- Innovation Ambassador, Sr. Assistant Professor, Department of Information Science and Engineering.

During the session, Mr. Arun Kumar highlighted the importance of SQL in managing and manipulating relational databases. He explained that SQL is a standardized programming language used to manage databases and perform tasks such as data retrieval, insertion,

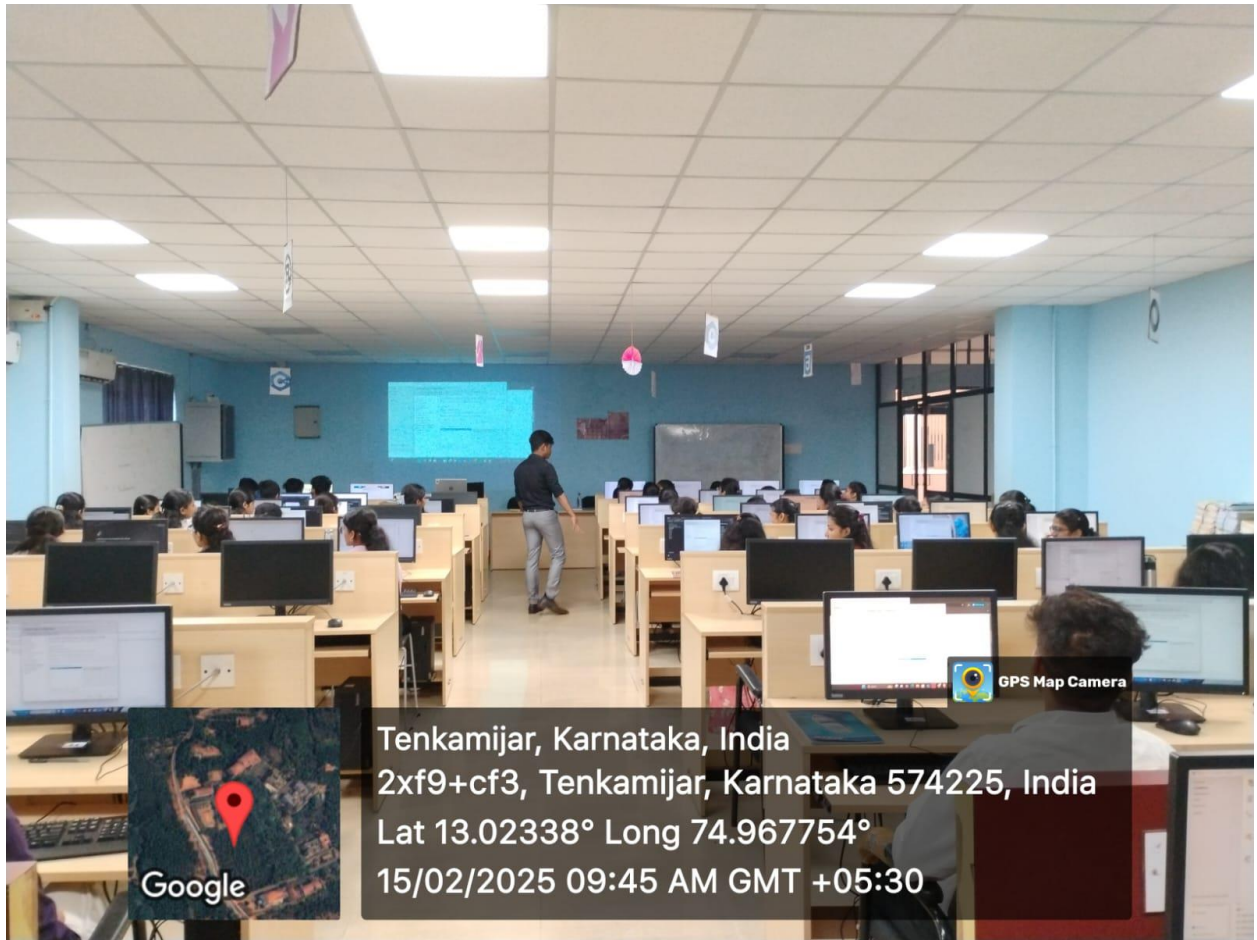
updating, and deletion. SQL plays a vital role in handling large amounts of structured data and is used in various applications, from web development to data analytics.

Mr. Arun emphasized that proficiency in SQL is essential for students aspiring to work in fields such as data science, software development, and database administration. He also discussed the practical applications of SQL in various industries, including e-commerce, finance, and healthcare, demonstrating how SQL helps organizations manage data efficiently and make data-driven decisions.

### Snapshots:







Tenkamijar, Karnataka, India  
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Lat 13.02338° Long 74.967754°  
15/02/2025 09:45 AM GMT +05:30

## Report on Workshop

**Title: Data Analytics with Spark**

**Date: 24<sup>th</sup> August 2022**

**Time: 9.30 AM**

**Venue: ISE Department, III Floor, Admin Block**

**Resource Person:**

**Mr. Vignesh**

Software Developer, IBM India Private Limited, Bangalore

### **Highlights:**

The Department of Information Science and Engineering has organized the workshop on Data Analytics with Spark on 24<sup>th</sup> August 2022, in association with the Institution Innovation Council (IIC), an Initiative of MHRD. The resource person Mr. Vignesh is working with IBM India Private Limited, Bangalore as a Software Developer. In the workshop, he has provided the hands-on session on the following topics:

- Spark Catalyst optimizer
- Introduction to Spark SQL
- Creating Spark Session
- Creating DataFrame
- Creating Temporary View
- Accessing Elements of List or Dictionary within DataFrame
- Where Clause
- Creating Global View
- Dropping Columns from DataFrame
- Queries on Spark SQL
- Group by and Aggregation
- Windowing in Spark
- Joins in Spark

The Head and Faculty Members of Department of ISE, President, Convenor and Faculty Coordinators of Institution's Innovation Council and 58 Students of II-year B.E. ISE were participated and benefited from the program.

## Snapshots:



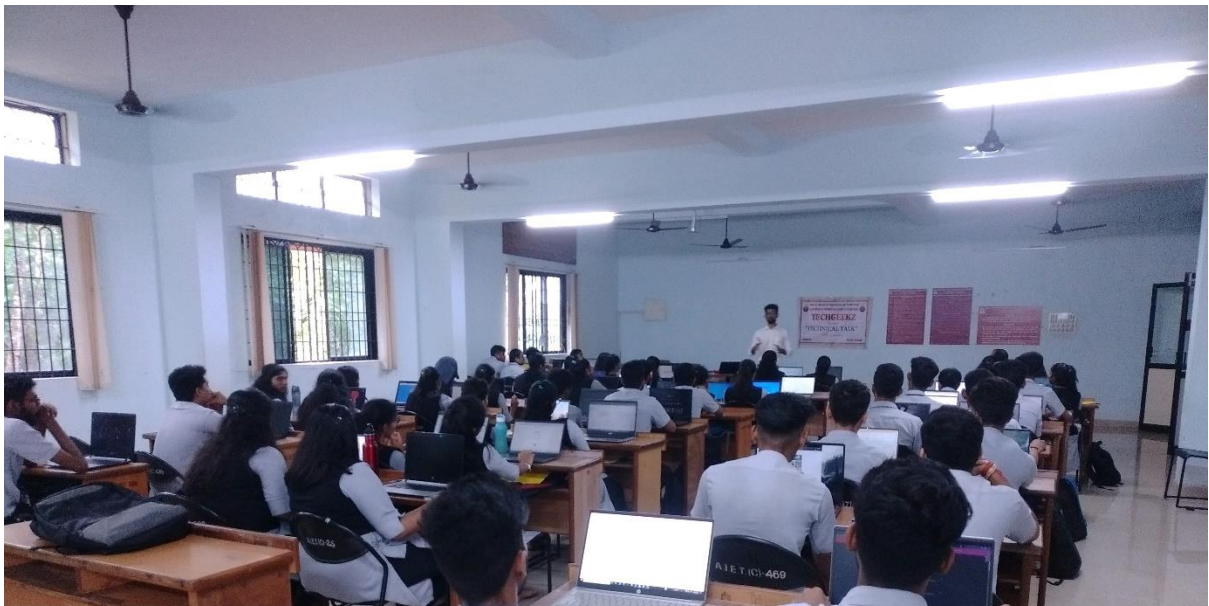
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Tenkamijar  
Karnataka  
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24°C  
75°F

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Tenkamijar  
Karnataka  
India



24°C  
75°F

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