

DEPARTMENT OF INFORMATION
TECHNOLOGY

CODING COMPETITION

TECH SKILLS

SKILL UP ON C, C++. JAVA, PYTHON

UNDER
CODING CLUB ACTIVITY



WHEN

SEPT' 21,
2024

**PROF. K. ASHOK BABU
CONVENER**



WHERE

LAB V



WHO

II YEAR IT

J. SASI REKHA
CO-ORDINATOR
Dr. P. Epsiba
HOD/IT

**Dr. G.SURESH
PRINCIPAL**



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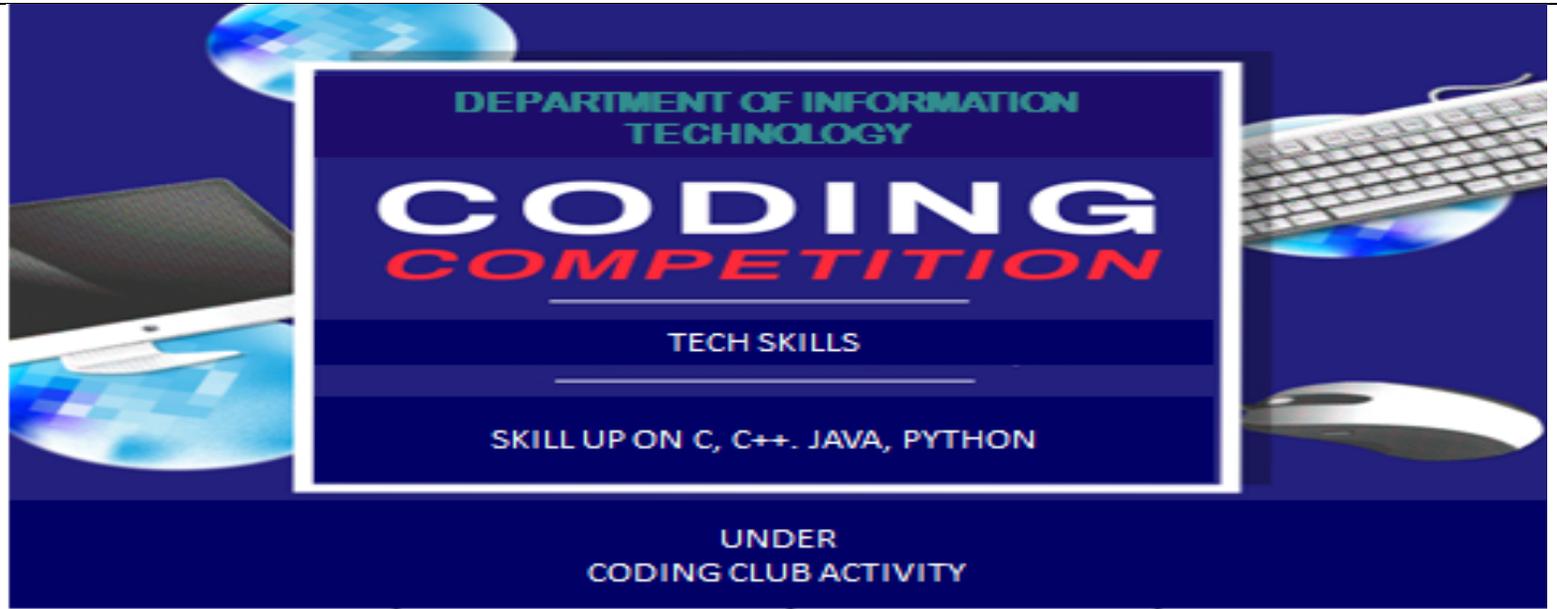
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Title	“Code Reflex Contest”		
Organized by	Department of Information Technology		
Academic Year	2024-2025	Program Type	Cyber Club - Activities
Start Date	21/09/2024	End Date	21/09/2024
Program Theme	To enhance the programming skills – C, C++, Java & Python		
No. of Students Participated	45	No. of Faculty Participated	7
No. of External Participants	Nil	Venue	Lab V(Main Block)
Objective	To develop the knowledge of computer languages like Python, Java, JavaScript, and C++ is fundamental to the IT professional.		
Benefits in terms of Learning/Skill/ Knowledge obtained	<ul style="list-style-type: none"> • Get the Proficiency in Programming Languages • Provides students with technical resources and encourage them to participate in various competitions. 		
Description	<p>Second year students of Information Technology Department participated in the Coding Contest organized under Cyber Security Club Activity on 21st Sep 2024 at 11.00 am.</p> <p>Around 45 students were participated. The event was conducted as Round I & II. The short listed students of Round - I is allowed for Round – II. In Round – I, the mirror image of programming code id displayed in monitor. The students as to write the correct code with in the duration of 45 minutes. The Final Year student coordinators valued the Round – I scripts. 10 Students were shortlisted based on the maximum score secured.</p> <p>In Round – II the same program is given to the students to execute within the given time duration.</p> <p>The following students are the winners of the Code Reflex Contest:</p> <ol style="list-style-type: none"> 1. C.H. Harika Reddy (23D41A1215) 2. A. Shirisha (23D41A1205) 3. L. Akhil Raj (23D41A1233) <p>The Event was successfully completed at 1.00 pm.</p>		

PHOTO GALARY



DEPARTMENT OF INFORMATION TECHNOLOGY

CODING COMPETITION

TECH SKILLS

SKILL UP ON C, C++, JAVA, PYTHON

UNDER CODING CLUB ACTIVITY

The banner features a dark blue background with a white border. It includes images of a laptop, a keyboard, and a mouse. The text is centered and uses a mix of white and red colors for emphasis.

WHEN

SEPT' 21,
2024

PROF. K. ASHOK BABU
CONVENER

WHERE

LAB V

WHO

II YEAR IT

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CO-ORDINATOR
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PRINCIPAL



 **GPS Map Camera**



Sheriguda, Telangana, India

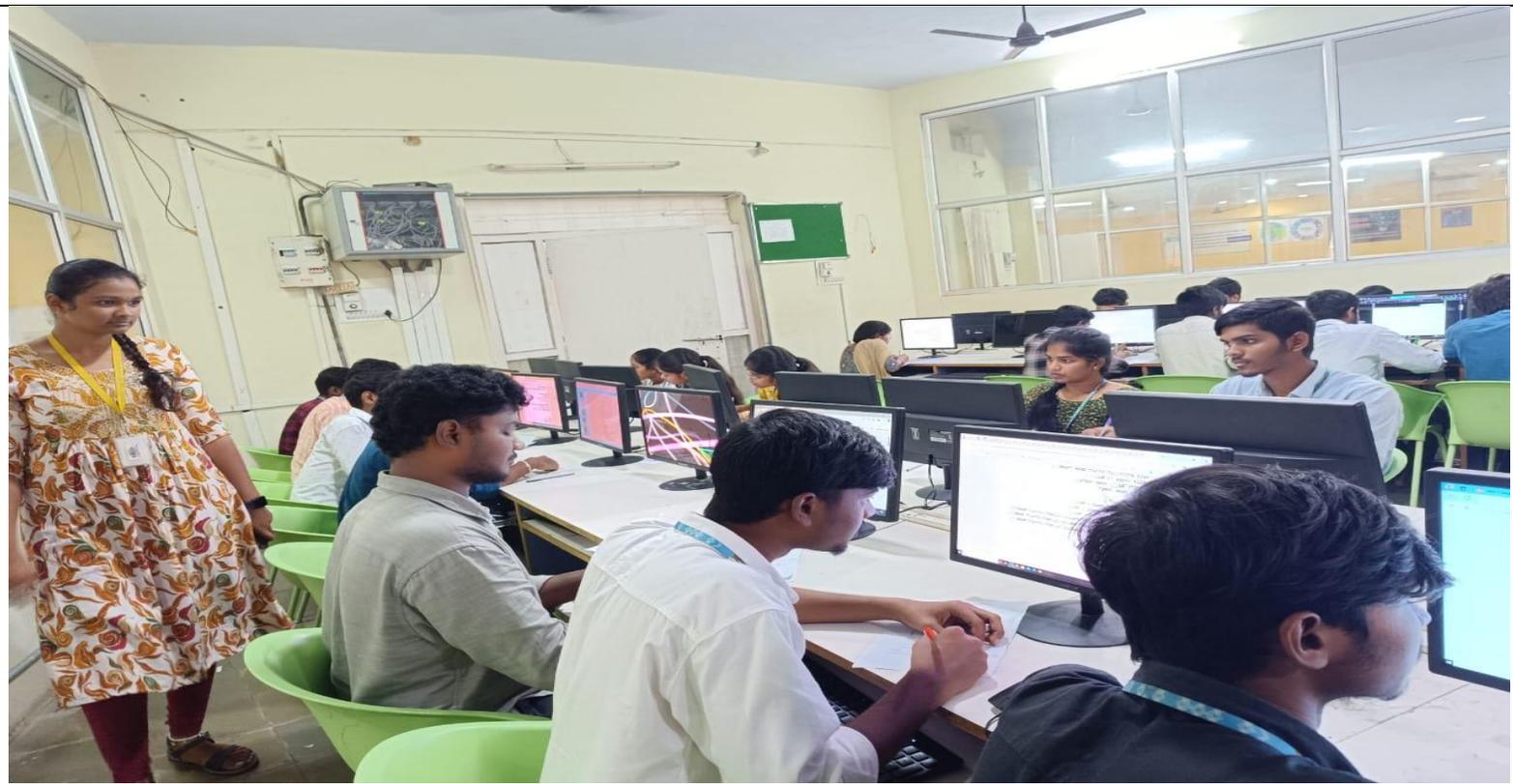
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Co-ordinator

HOD



Title	“SKILL DEVELOPMENT COURSE on UI-DESIGN FLUTTER”		
Organized by	Department of Information Technology		
Academic Year	2024-2025	Program Type	Workshop
Start Date	21/11/2025	End Date	23/11/2025
Program Theme	To give the training for skill development course in UI-DESIGN FLUTTER to the Students.		
No. of Students Participated	70	No. of Faculty Participated	6
No. of External Participants	Nil	Venue	Main Auditorium
Objective	To gain the ability to develop high-quality, visually appealing mobile applications for both Android and iOS platforms using a single in Skill Development Course (Flutter).		
Benefits in terms of Learning/Skill/ Knowledge obtained	Flutter is a cross-platform framework that offers many benefits for app development, including faster development, lower costs, and high performance.		
Expert Member	Mr.Surender, Senior Trainer, TLC.		
Description	<p>On September 21st,22nd and 23rd 2025 three days’ workshop was conducted to create awareness on skill development course (Flutter). The program was inaugurated by 10.00 am followed by invited talk. The Trainer Mr.Surender, Senior Trainer, TLC given training to the 3rd year students. Nearly 70 students from the Department of IT and CSIT were actively participated in this event.</p> <p>Topics Covered :</p> <p>Day 1</p> <p>Introduction to Flutter and widgets</p> <p>Session 1:</p> <ul style="list-style-type: none"> • Introduction of Flutter, • Installation of Flutter and dart SDK • Simple dart programs <p>Session 2:</p> <ul style="list-style-type: none"> • Usage of widgets • Exploring various Flutter Widgets <p>Day 2</p> <p>Responsive UI design and navigation widget</p>		

Session 1:

- Implementing different layout structures
- Usage of stack widget

Session 2:

- Setting up navigation between different screens
- Implementing navigation with named routes
- Explaining navigation widget
- Conclusion

Day 2

Form design, Fetching data and Writing code

Session 1:

- Designing a form with various fields
- Implementing media queries

Session 2:

- Creating custom widgets
- Applying styling using themes
- Adding animations to UI elements

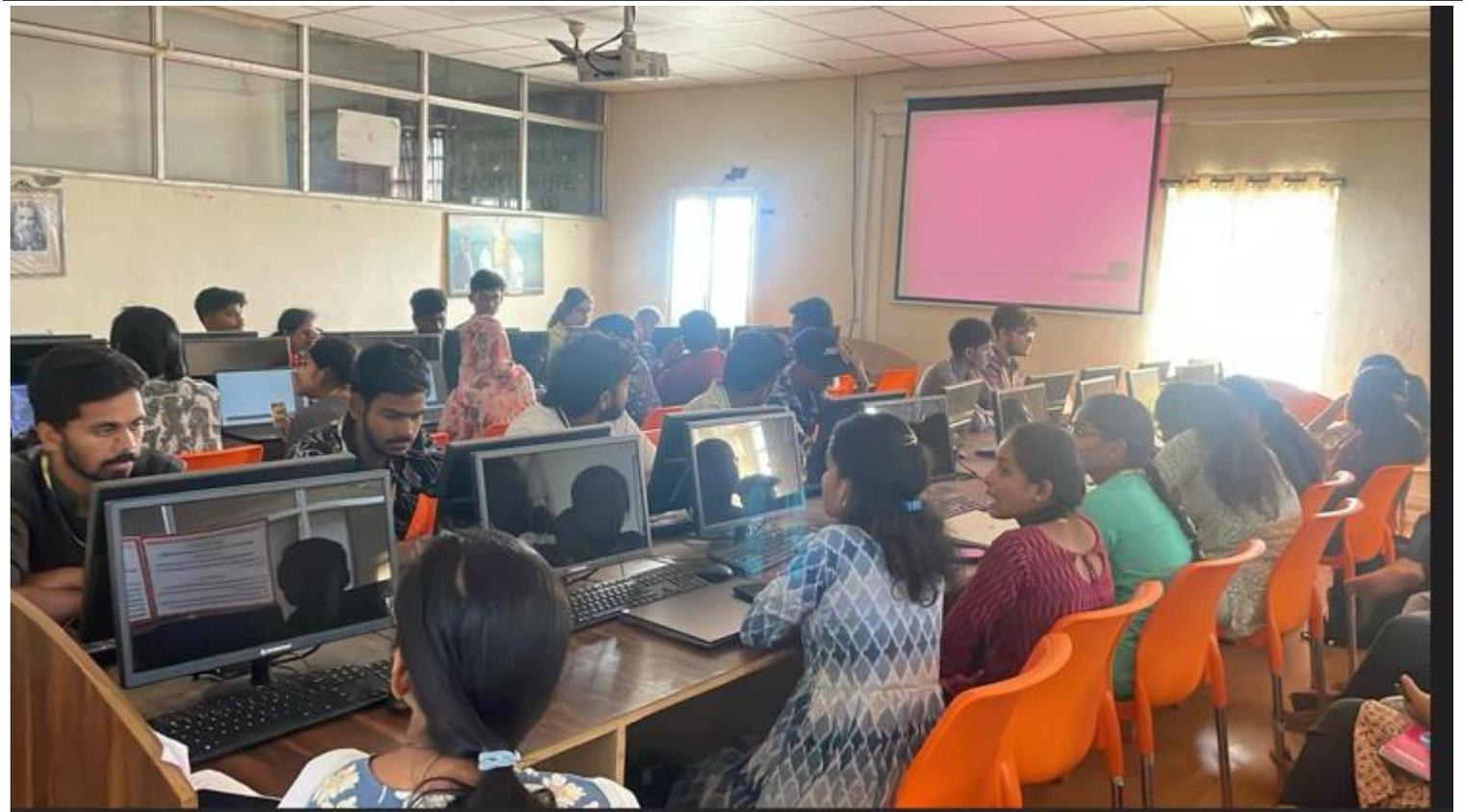
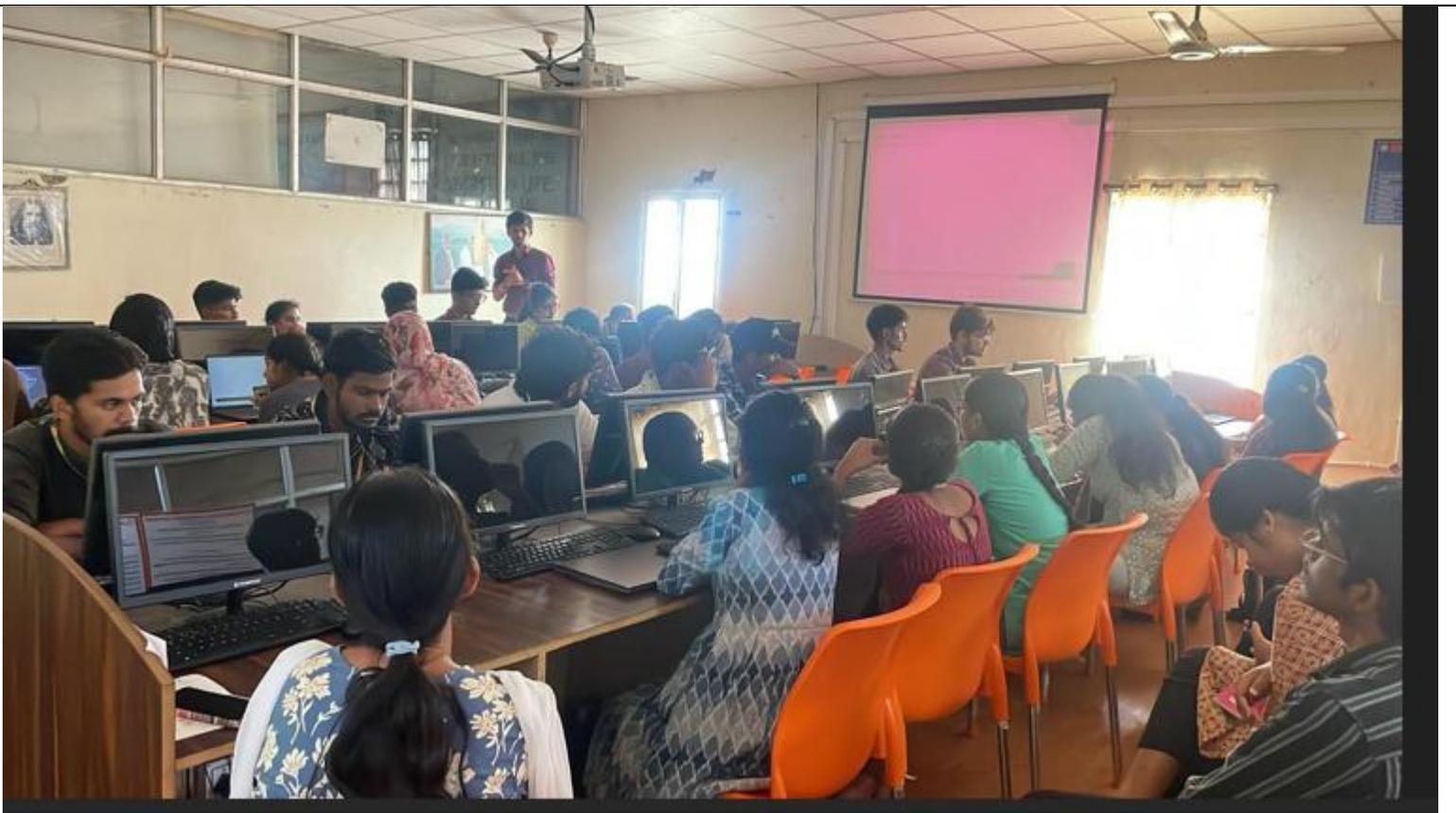
Conclusion

Finally the session was ended on 23.11.25 with valedictory at 3.45 pm.

PHOTO GALLERY



Rangareddy, Telangana, India
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Co-ordinator

HOD



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DEPARTMENT OF INFORMATION TECHNOLOGY

Organize

*“One day Workshop on Generative AI
and Its Applications”*

*Expert member: Mr. Vishal & Mr. Vijay
Manac Infotech*

Date : 05 DEC 2024

Venue : LAB XIII (Main Block)

HOD

Dr. P. Epsiba

Convenor

Prof. K. Ashok Babu

Principal

Dr. G. Suresh



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Title	“SKILL DEVELOPMENT COURSE on Django”		
Organized by	Department of Information Technology		
Academic Year	2024-2025	Program Type	Workshop
Start Date	10/02/2025	End Date	11/02/2025
Program Theme	To give the training for skill development course in Django, Node JS & React JS to the Students.		
No. of Students Participated	70	No. of Faculty Participated	8
No. of External Participants	Nil	Venue	Main Block–Lab V
Objective	To Create awareness to fellow peers and help them to explore emerging careers in Skill Development Course(Django).		
Benefits in terms of Learning/Skill/ Knowledge obtained	<ul style="list-style-type: none"> • Get the knowledge about Django. • Provides students with technical resources and encourage them to develop a real time projects. 		
Expert Member	Mr.Gopi, Senior Trainer, TLC.		
Description	<p>On February 10th and 11th 2025 two days’ workshop was conducted to create awareness on skill development course (Django). The program was inaugurated by 10.00 am followed by invited talk. The Trainer Mr.Gopi, Senior Trainer, TLC given training to the 2nd year students. Nearly 70 students from the Department of IT and CSIT were actively participated in this event.</p> <p>Topics Covered :</p> <p>Day 1</p> <p>Introduction to Python And Django</p> <p>Session 1:</p> <ul style="list-style-type: none"> • Introduction To Web Technologies, • Python and Django • Project Explanation <p>Session 2:</p> <ul style="list-style-type: none"> • Version Control Systems, Database User Registration And Login <p>Day 2</p> <p>Data Collection and Pre-processing</p>		

Session 1:

- Basic Crud Operations
- Displaying Data On The Web Page
- Edit And Update

Session 2:

- Basic UI Operations
- Logout
- Introduction To Basics Of Web Deployment

Conclusion

Finally the session was ended on 11.02.25 with valedictory at 3.45 pm.

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DEPARTMENT OF INFORMATION TECHNOLOGY
Organize Hands on Training
ON
"SKILL DEVELOPMENT COURSE
on Django, React JS & Node JS"

Date : 10/02/2025 to 11/02/2025
Time : 9.40 am to 4.00 pm
Venue : Lab-V

Trainer
Mr. Gopi
Senior Trainer, TLLC
Group of Industries

Coordinator
Mrs. J.S. Radhika
Mr. M. Raikumar

HOD
Dr. P. Epsiba

Convenor
Prof. K. Ashok Babu

Principal
Dr. G. Suresh







Co-ordinator

HOD



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Title	“HANDS ON TRAINING SESSION ON IOT APPLICATIONS, ROBOTICS AND 3D PRINTING”		
Organized by	Placement cell & Department of Information Technology		
Academic Year	2024-2025	Program Type	Training
Start Date	25/11/2024	End Date	30/11/2024
Program Theme	To give Hands On Training Session On IoT Applications,Robotics And 3D Printing		
No. of Students Participated	52	No. of Faculty Participated	3
No. of External Participants	Nil	Venue	Placement auditorium
Objective	To introduce the implementation of distance sensor on IoT devices and raspberry PI platform, that is widely used in IoT applications,3D printing and Robotics.		
Benefits in terms of Learning/Skill/ Knowledge obtained	<ul style="list-style-type: none"> • Ability to introduce the concept of M2M (machine to machine) with necessary protocols and get awareness in implementation of distance sensor • Get the skill to program using python scripting language which is used in many IoT devices 		
Expert Member	Infosys Spring Board.		
Description	2 nd year IT-Students attended hands on session conducted by Infosys-Spring board. The 3-batches of each 20 students were benefited hands on training on 3D printing, Robotics and IoT applications .The concepts are explained by the expert members to the students followed by hands on sessions . Individual students are provided by the kits to gain knowledge on IoT implementations.Each batch schedule for one and half hour session, in a day all the 3 batches were completed their training program.It helps the students in academic learning		

PHOTO GALARY





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DEPARTMENT OF INFORMATION TECHNOLOGY

Organize

Department Level Hackathon

Date : 03rd Sep 2024

Time : 11. 30 am

Venue : 206 (Main Block)



HOD

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Principal

Dr. P. Epsiba

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NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL



Title	“Department level hackathon”		
Organized by	Department of Information Technology		
Academic Year	2024-2025	Program Type	Hackathon
Start Date	09/09/2024	End Date	09/09/2024
Program Theme	Selecting the problem statement and solving the issues.		
No. of Students Participated	45(10 Teams)	No. of Faculty Participated	7
No. of External Participants	Nil	Venue	Room-206(Main Block)
Objective	To develop an innovative, user-centric software solution within 48 hours that addresses [specific problem or challenge], leveraging collaboration and creativity among team members. Our goal is to demonstrate a functional prototype, showcase its potential impact, and present our findings to judges in a clear and compelling manner.		
Benefits in terms of Learning/Skill/ Knowledge obtained	<ul style="list-style-type: none"> • Participants can learn new technologies, programming languages, and tools in a hands-on environment. • Working in teams helps develop collaboration skills and can lead to lasting friendships. • Hackathons encourage out-of-the-box thinking and can lead to creative solutions for real-world problems. • Many hackathons offer prizes, which can include cash, tech gadgets, or job opportunities, providing added motivation. 		
Description	<p>All the students of Information Technology Department participated in the Internal hackathon program Activity on 09st Sep 2024 at 11.00 am.</p> <p>Around 45 students were participated. The event was conducted as Round I & II. The short listed students of department level is allowed for the college level selection. In Round – I, around 9 teams out of 10 teams have been selected. The students should explain the problem statement what they have taken. 9 teams Students were shortlisted based on the maximum score secured.</p> <p>In college level the same is done to select the students</p> <p>The Event was successfully completed at 1.00 pm.</p>		

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DEPARTMENT OF INFORMATION TECHNOLOGY

Organize

Department Level Hackathon

Date : 03rd Sep 2024

Time : 11.30 am

Venue : 206 (Main Block)



HOD

Dr. P. Epsiba

Convenor

Prof. K. Ashok Babu

Principal

Dr. G. Suresh



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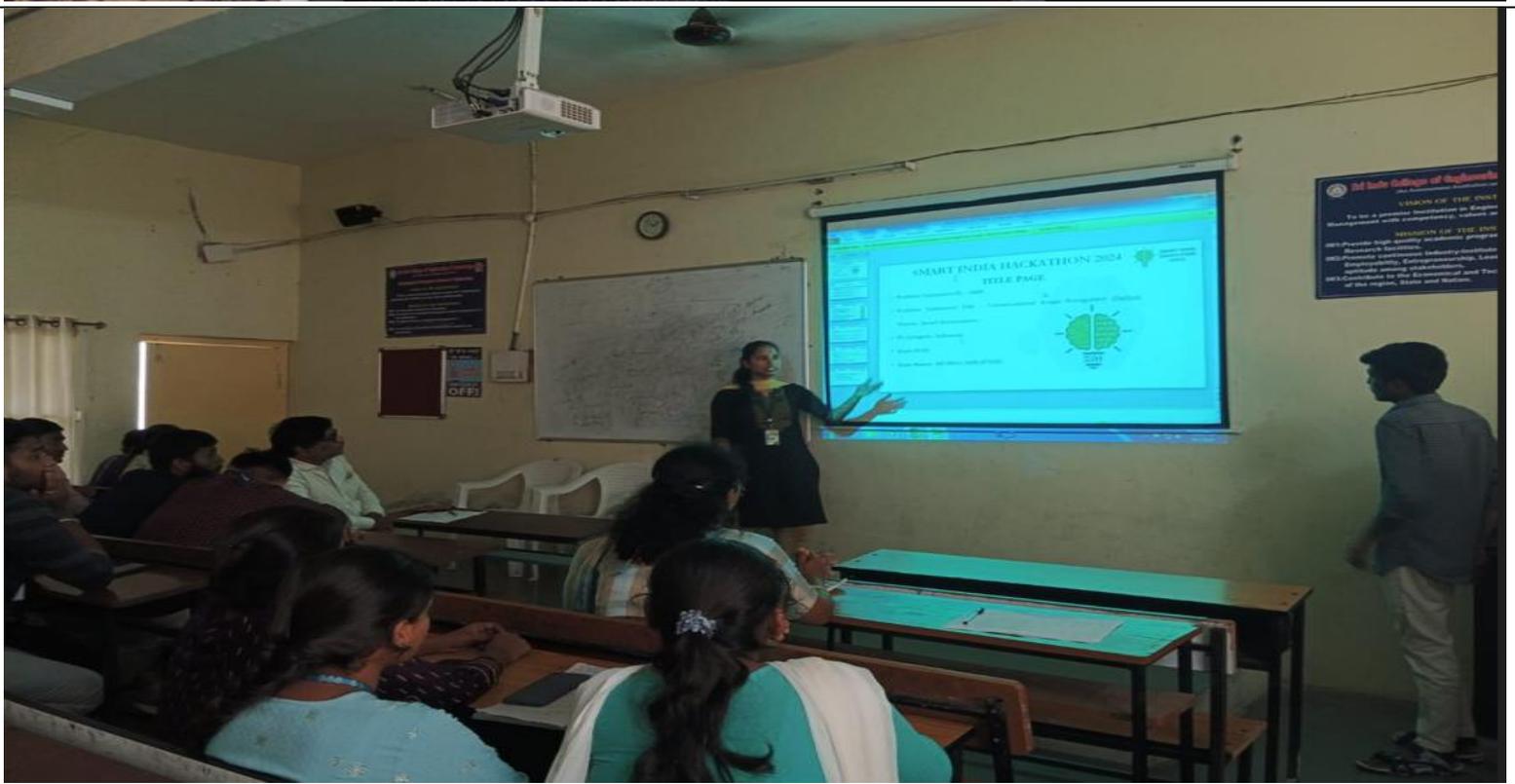
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Coordinator

HOD



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NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL



Title	“ PROJECT EXPO ”		
Organized by	Department of Information Technology.		
Academic Year	2024-2025	Program Type	Technical Event.
Start Date	22/02/2025	End Date	22/02/2025
Program Theme	Project Expo.		
No. of Students Participated	38	No. of Faculty Participated	09
No. of External Participants	Nil	Venue	CSE-SEMINARHALL.
Objective	The objective of a project expo is to showcase innovative ideas, demonstrate projects, and share knowledge, fostering learning, collaboration, and creativity among participants.		
Benefits in terms of Learning/Skill/ Knowledge obtained	<ul style="list-style-type: none"> ➤ enhances practical skills ➤ deepens subject knowledge ➤ fosters problem-solving ➤ promotes teamwork ➤ Improves presentation and communication abilities. 		
Description	<p>A project expo is an event where individuals or teams showcase their innovative projects, research, or prototypes to a wider audience, often including peers, industry professionals, and judges. Participants present their work through displays, demonstrations, and presentations, allowing for feedback and collaboration. These expos promote creativity, critical thinking, and hands-on learning. They offer a platform for networking, idea exchange, and skill development. Attendees gain insights into the latest trends and advancements in various fields, while exhibitors refine their problem-solving and communication abilities. Overall, a project expo fosters a culture of learning, innovation, and growth.</p>		



Coordinator

HOD



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DEPARTMENT OF INFORMATION TECHNOLOGY



Venue : CSE Seminar Hall

Date : 28.02.2025

Time : 2:00 – 4:00 PM

Events organized :

- ❖ Seminar
- ❖ Quiz

NATIONAL SCIENCE DAY

28th February

Tributes to

Sir C. V. Raman

for his historic discovery of Raman Effect on this day in 1928

Ms. B. Deepika Rathod
Co-ordinator

Dr. P. Epsiba
HOD/IT

Prof. Ashok Babu
Convener

Dr. G. Suresh
Principal

SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF INFORMATION TECHNOLOGY

National Science Day

Date of the event: **28.02.2025**

A.Y: 2024-2025

Venue: CSE Seminar Hall

Time : 2:00 – 4:00 PM

National Science Day, celebrated annually on February 28, honors the discovery of the Raman Effect by C.V. Raman. National Science Day, which is observed every year on February 28, is an important milestone in the history of India's science—the detection of the Raman Effect by Sir C.V. Raman in 1928. This year, the theme for National Science Day 2025 is "Empowering Indian Youth for Global Leadership in Science and Innovation for Viksit Bharat", highlighting the contribution of young minds towards advancing India's science and global leadership. The day celebrates C.V. Raman's revolutionary discovery that led to the Nobel Prize in Physics in 1930.

The Raman Effect, or the phenomenon in which light is altered in wavelength when scattered by molecules, has been instrumental in spectroscopy and material science, playing a significant role in advancing science globally. The main aim of National Science Day is to spread scientific awareness, identify contributions to science, and motivate innovation among the youth.

Activities

Seminars and quizzes are organized to inspire students and encourage participation in science.

- **Seminars:** Seminars are held by students to discuss the latest research and breakthroughs in science.
- **Science Quiz Competitions:** A fun and educational way to test knowledge and raise awareness about science.

Significance of National Science Day:

National Science Day holds immense significance as it promotes scientific achievements and educates people about the importance of science in everyday life. The day aims to:

- **Encourage Scientific Thinking:** National Science Day promotes scientific thinking, logic, and reasoning, which are essential for the progress of society.
- **Showcase Innovations:** It highlights the importance of innovations and their potential to improve lives.
- **Foster Scientific Awareness:** It spreads awareness about the advancements in science and technology and how they benefit society.
- **Inspire the Next Generation:** The day motivates students and young minds to take an interest in scientific research and contribute to global progress.

By celebrating this day, we not only honor scientific achievements but also remind the world of the crucial role science plays in solving global challenges. Schools, colleges, and science enthusiasts can use the Postive Festival Poster Maker App to design posters that spread awareness of these goals and inspire others to engage in scientific endeavors.

SCIENCE DAY EVENT GALLERY

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DEPARTMENT OF INFORMATION TECHNOLOGY

Venue : CSE Seminar Hall
Date : 28.02.2025
Time : 2:00 – 4:00 PM

Events organized :
❖ Seminar
❖ Quiz

NATIONAL SCIENCE DAY
28th February
Tribute to
Sir C. V. Raman
for his historic discovery of Raman Effect on this day in 1928

Ms. B. Deepika Rathod Co-ordinator
Dr. P. Epsiba HOD/IT
Prof. Ashok Babu Convener
Dr. S. Suresh Principal



Co-ordinator

HoD/IT

SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF INFORMATION TECHNOLOGY

PROGRAM SCHEDULE “ 5 DAYS WORKSHOP ON AI”

Date: 20.1.2025 to 24.1.2025

Day-Wise Curriculum:

S.No	Days/Date	Content
1.	Day 1 20.1.2025	Introduction to AI and LLMs Session 1: Overview of AI and Large Language Models (LLMs) <ul style="list-style-type: none">Evolution of AI and LLMsApplications of LLMs in various domains Session 2: Introduction to LangChain Framework <ul style="list-style-type: none">Key features and capabilities of LangChainLangChain’s role in developing LLM-powered applicationsHands-On: Setting up the development environment for LangChain
2.	Day 2 21.1.2025	Data Collection and Pre-processing Session 1: Importance of Data in AI-Powered Solutions <ul style="list-style-type: none">Types of data and their role in chatbot developmentData quality and preprocessing techniques Session 2: Gathering Campus-Specific Data <ul style="list-style-type: none">Collecting data related to academic schedules, events, FAQs, etc.Pre-processing data for model trainingHands-On: Cleaning and preparing a sample dataset.
3.	Day 3 22.1.2025	LLM Model Development and Training Session 1: Choosing the Right LLM for Your Chatbot <ul style="list-style-type: none">Comparative analysis of available LLMs (e.g., GPT, BERT, etc.)Selecting a model based on project requirements Session 2: Training the LLM with Campus Data <ul style="list-style-type: none">Fine-tuning techniques for LLMsIncorporating custom data into the modelHands-On: Fine-tuning an LLM with a sample campus dataset.
4.	Day 3 23.1.2025	Chatbot Development and Integration Session 1: Designing a Chatbot Framework with LangChain <ul style="list-style-type: none">Key components of a chatbot (UI/UX, backend, API integration)Developing user-friendly interfaces Session 2: Integrating the Trained LLM Model <ul style="list-style-type: none">API-based integration of LLMs into the chatbot systemConfiguring the chatbot for seamless functionalityHands-On: Building and integrating the chatbot.
5	Day 3 24.1.202	Testing, Deployment, and Maintenance Session 1: Testing and Performance Optimization <ul style="list-style-type: none">Testing strategies for chatbotsOptimizing chatbot responses for accuracy and relevance Session 2: Deployment and Continuous Monitoring <ul style="list-style-type: none">Deploying the chatbot on campus systemsSetting up performance monitoring and feedback loops Hands-On: Testing, deploying, and demonstrating the campus assistant

Workshop Deliverables:

1. Functional AI-powered campus assistant tailored for college needs.
2. Comprehensive training materials and guides.
3. Certificate of completion for all participants.

Benefits to Participants:

- Gain practical experience in advanced AI technologies.
- Develop a portfolio-worthy project.
- Acquire industry-relevant skills in chatbot development and deployment.
- Opportunity to implement a real-world solution for campus management.

Requirements:

- Participants: Laptop with a stable internet connection.
- Learners must know about Machine Learning and AI

Host Institution:

- Lab with necessary infrastructure for hands-on sessions.
- Access to campus-specific data for chatbot development.
- Accommodation for resource person.

Co-ordinator

HOD/IT



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DEPARTMENT OF INFORMATION TECHNOLOGY

Organize Hands on Training

ON

*“SKILL DEVELOPMENT COURSE
on Django, React JS & Node JS”*

Date : 10/02/2025 to 11/05/2025

Time : 9.40 am to 4.00 pm

Venue : Lab-V

Trainer

Mr. Gopi

*Senior Trainer, TLC
Group of Industries*

Coordinator

Mrs.J.S.Radhika

Mr. M.Rajkumar

Ms.M.Swathi Reddy

HOD

Dr. P. Epsiba

Convenor

Prof. K. Ashok Babu

Principal

Dr. G. Suresh



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UGC Autonomous Institution
 Recognized under 2(f) & 12(B) of UGC Act 1956,
 NAAC, Approved by AICTE &
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NAAC
 NATIONAL ASSESSMENT AND
 ACCREDITATION COUNCIL



Title	“SKILL DEVELOPMENT COURSE on React JS, Node JS”		
Organized by	Department of Information Technology		
Academic Year	2023-2024	Program Type	Workshop
Start Date	27/03/2024	End Date	28/03/2024
Program Theme	To give the training for skill development course in Node JS & React JS to the Students.		
No. of Students Participated	130	No. of Faculty Participated	8
No. of External Participants	Nil	Venue	Main Block–Lab V & Lab XIII
Objective	To Create awareness to fellow peers and help them to explore emerging careers in Skill Development Course(Node JS & React JS).		
Benefits in terms of Learning/Skill/ Knowledge obtained	<ul style="list-style-type: none"> • Get the knowledge about Node JS & React JS. • Provides students with technical resources and encourage them to develop a real time projects. 		
Expert Member	Mr. Srikanth, Senior Trainer, TNS.		
Description	<p>On March 27th and 28th 2024 two days’ workshop was conducted to create awareness on skill development course (Node JS & React JS). The program was inaugurated by 10.00 am followed by invited talk. The Trainer Mr. Srikanth, Senior Trainer, TNS given training to the 2nd year students. Nearly 130 students from the Department of IT and CSIT were actively participated in this event.</p> <p>Topics Covered :</p> <ul style="list-style-type: none"> • Database Connection with MYSQL (CRUD Operation) • Database Connectivity using Postman. • Node JS and its Applications • Web Development in React JS. <p>Finally the session was ended on 28.03.24 with valedictory at 3.45 pm.</p>		

PHOTO GALARY



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DEPARTMENT OF INFORMATION TECHNOLOGY
Organize Workshop on

**“SKILL DEVELOPMENT COURSE
on React JS, Node JS”**

**Trainer
Mr. SRIKANTH, TNS**



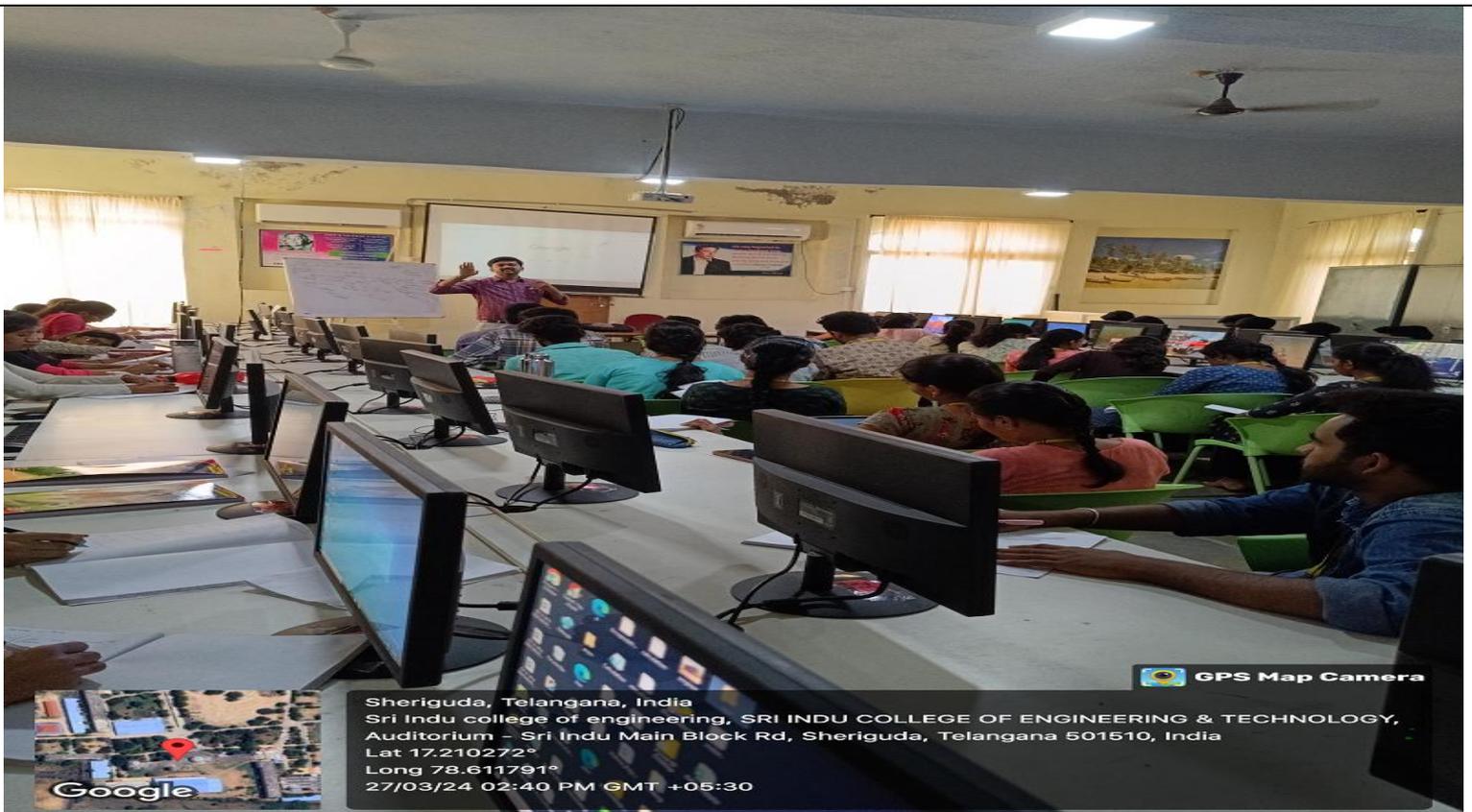
**Date : 27.03.2024 & 28.03.2024
Time : 10.00 am to 4.00 pm
Place : Main Block - Lab V & XIII**

**Coordinator
Mrs. J Sastrekha
Mr. Shek Shakeel**

**HOD
Dr. P. Epsiba P**

**Convener
Prof. K. Ashok Babu
Dr. K.S. Sadasiva Rao
Dean, R&D Cell**

**Principal
Dr. G. Suresh**



GPS Map Camera

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DEPARTMENT OF INFORMATION TECHNOLOGY

Organize Workshop on

*“SKILL DEVELOPMENT COURSE
on React JS, Node JS”*

Trainer

Mr. SRIKANTH, TNS



Date : 27.03.2024 & 28.03.2024

Time : 1.30 pm

Place : Main Block - Lab V

Coordinator

Mrs. J Sasirekha

Mr. Shek Shakeel

HOD

Dr. P. Epsiba P

Convenor

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**SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF INFORMATION TECHNOLOGY**

JAVA FULL STACK DEVELOPMENT

PROGRAM SCHEDULE.0

YEAR/SEM: III/II

Date: 25.4.2025

DURATION:28.4.2025 TO 3.5.2025

S.No.	Date/Session	Content
1.	28.4.2025 (FN)	Day 1: Question 1: Real Estate Management System You are developing a Real Estate Management System. Create a class Property: Constructor 1: Accepts propertyId. Constructor 2: Accepts propertyId and location. Constructor 3: Accepts propertyId, location, and price. Constructor 4: Accepts propertyId, location, price, and ownerName. Task: Create a method getPropertyDetails() to display property details. Instantiate properties using different constructors and demonstrate how constructor overloading allows for flexible initialization.
2.	29.4.2025 (FN)	Day 2: Question 2: Educational Course Management Create a class Course for managing educational courses: Constructor 1: Accepts courseId. Constructor 2: Accepts courseId and courseName. Constructor 3: Accepts courseId, cour...
3.	30.4.2025 (FN)	Day 3: Drawback of Array and intro collection frame work(cfw) with examples programs exception and types with examples and io stream with practical examples and intro of jdbc architecture and its type
4.	1.5.2025 (FN)	Day 4: Frontend technology (HTML,cs js) and how to interact frontend and backend (SERVLET ,JSP) Started development for web application with curd operation
5.	2.5.2025 (FN)	Day 5: Implementing authentication and Authorization of web application (server side) and login with OTP for mobile and Email ...
6.	3.5.2025 (FN)	Day 6 : Final project development

Co-ordinator

HOD/IT