



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC with 'A' Grade,

ISO 21001:2018, 50001:2018, 14001:2015 Certified Institution

Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada.

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

Report on “Building Real Time Web Application with Python Flask”

Event Type	: One Week Workshop
Date	: 9 th December 2024 to 14 th December 2024
Venue	: AI&DS Seminar Hall, 2nd Floor
Resource person	: Jakkampudi Venkat Avinash Founder & CEO at Odenkirk Private Limited.
Name of the Convener(s)	: Dr. O. Rama Devi, Professor & HOD, Dept. of AI&DS Dr. S. Jayapada, Professor & HOD, Dept. of CSE (AI&ML)
Name of the	
Coordinator(s)	: Mr. S.V.V.D.Jagadeesh Sr. Assistant Professor Mr. S.Ramesh Assistant Professor
Targeted Audience	: B.Tech VI Sem AI&DS and CSE (AI&ML)
Total No. of Students	: 86
Hackathon Full Day	: 17 Batches

Objective of the Event:

This program aims to empower III Year students of AI&DS and CSE (AI&ML) participants to innovate and apply technical skills by Building Real Time Web Application with Python Flask and collaborative problem-solving. participants will develop solutions to real-world challenges. This event encourages creativity, teamwork, and technical growth.

About event:

This event is designed to introduce developers to the exciting world of real-time web applications. Using Python Flask, a lightweight and versatile web framework, attendees will learn how to create interactive and dynamic applications capable of providing instant updates. Whether you're new to Flask or looking to expand your skills in real-time technologies, this event offers valuable insights and hands-on experience.

Technology of Building Real Time Web Application with Python Flask

Python Flask: Use Flask as the web framework.

Conclusion of the Event:

Building a real-time web application with Python Flask is a challenging but rewarding task. By leveraging the power of Flask,

- 1st Team Rewarded for I prize with 5000/- rupees.
- 2nd Teams Rewarded for II prize with 3000/- rupees
- 3rd Teams Rewarded for III prize with 2000/- rupees

Description of the event:

Coordinators of the Workshop, S.V.V.D.Jagadeesh, S.Ramesh, welcomed all the dignitaries and delegates. In their welcome speech, they highlighted the importance and objectives of organizing this Workshop. Conveners of the Workshop, Dr. O. Rama Devi and Dr. S. Jayaprada started their speech by thanking LBRCE Management and congratulating all the participants. Then they thanked the Resource Persons for accepting our request irrespective of his busy schedule. They added the importance of Building Real Time Web Application with Python Flask. They suggested all the students utilize this opportunity, which will help them in identifying Building Real Time Web Application with Python Flask on 09-12-2024 from 09:00 AM to 14-12-2024 04:00 PM.



Lakireddy Bali Reddy College of Engineering (Autonomous)

DEPARTMENT OF AI&DS, CSE(AI&ML)

One Week Workshop on

"Building Realtime Web Application Using Python Flask"

Resource Person

Mr.J.Venkata Avinash
CEO, Oden Kirk

Venue: AI&DS Seminar Hall (2S02).

Date: 09.12.2024 To 14.12.2024,

Time: 09 AM.



In Association with



Organized by the Department of AI&DS,
CSE(AI&ML)

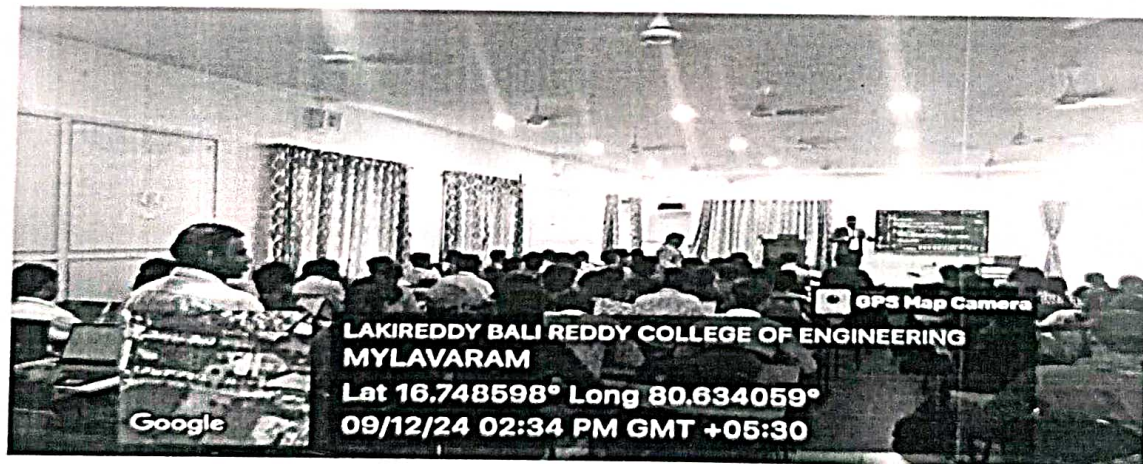
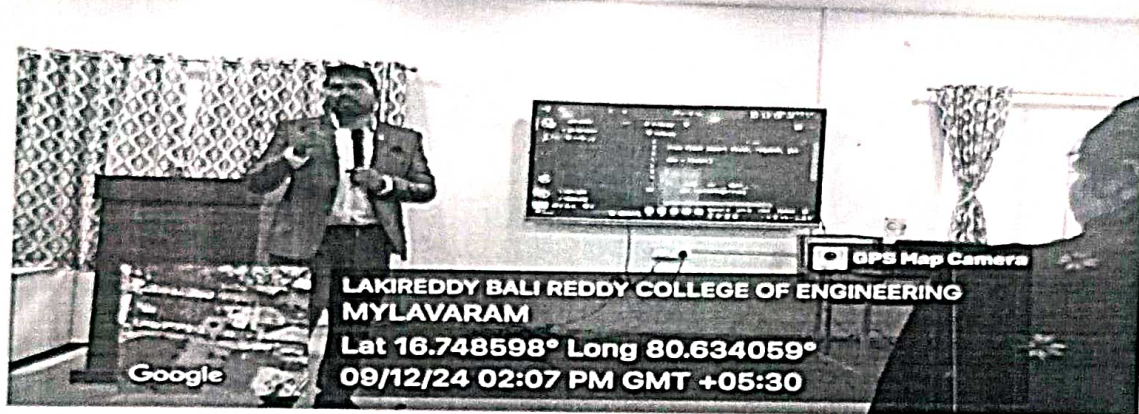
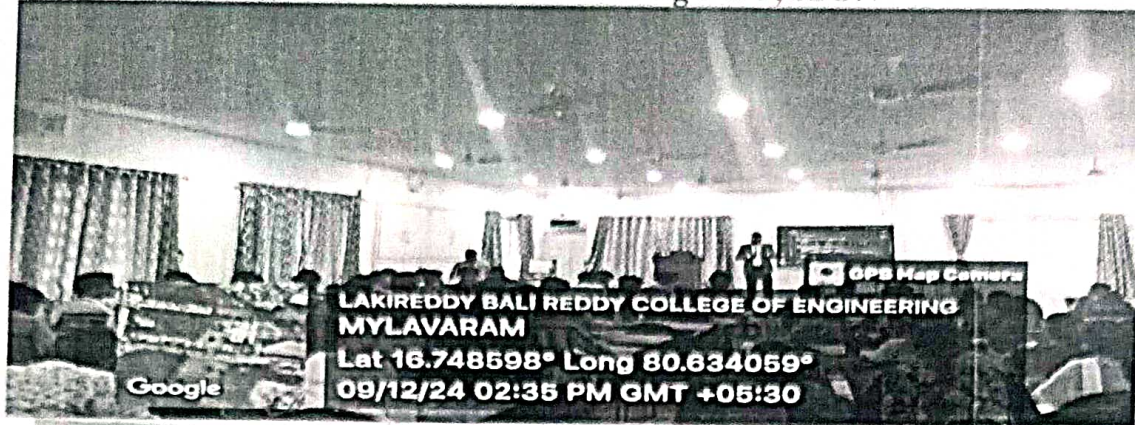


One Week Workshop Inaugurated by Dr.O.Rama Devi ,Dr. S. Jayaprada,Dr.v.Suryanaraya
and J. Venkat Avinash

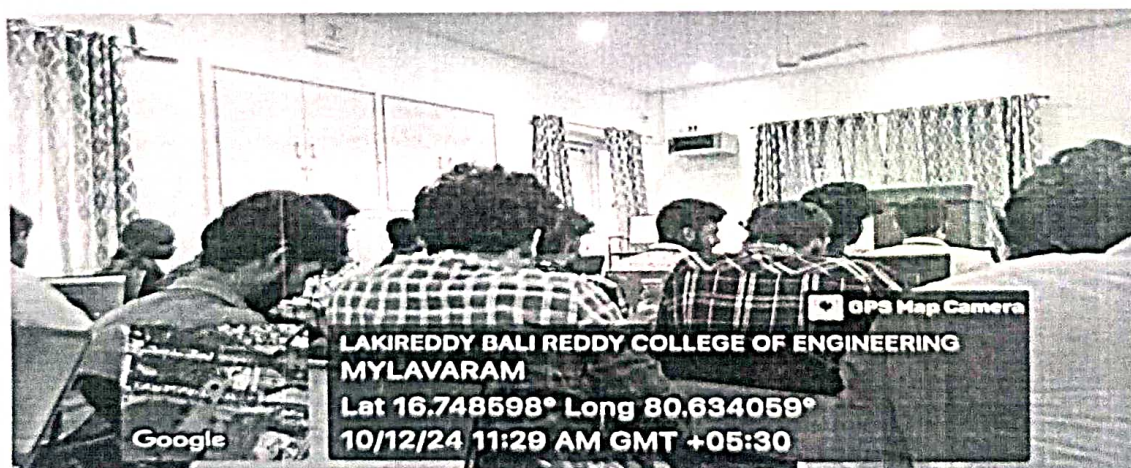
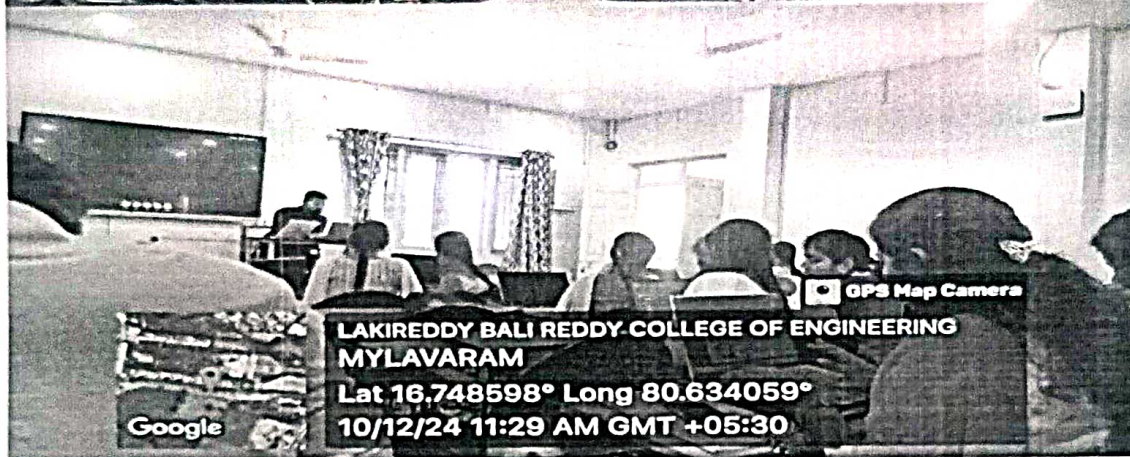


Dr. V. Suryanarayana to the addressing about Python Flask Workshop

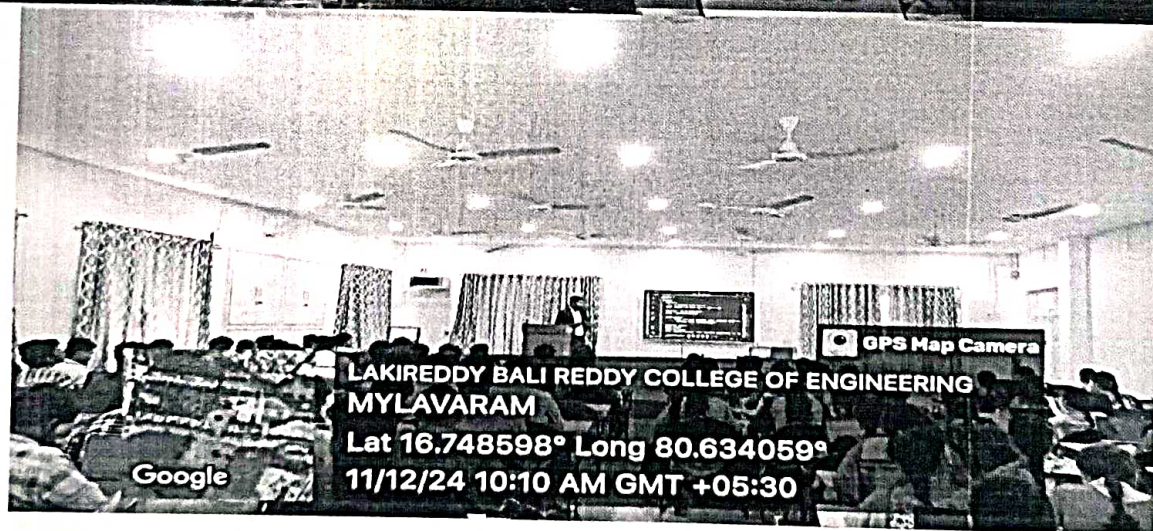
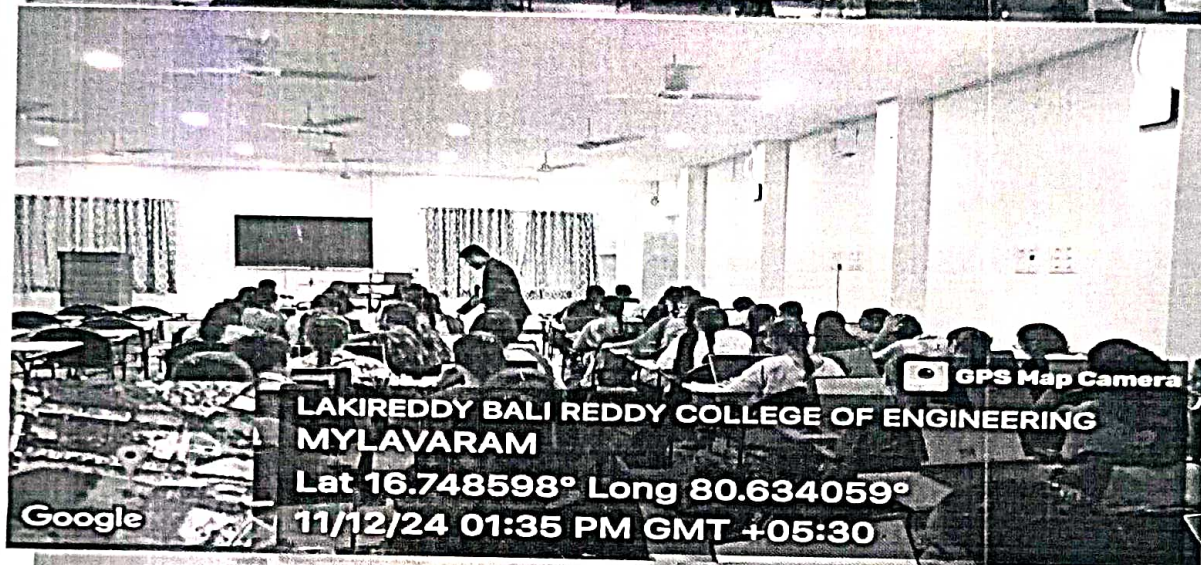
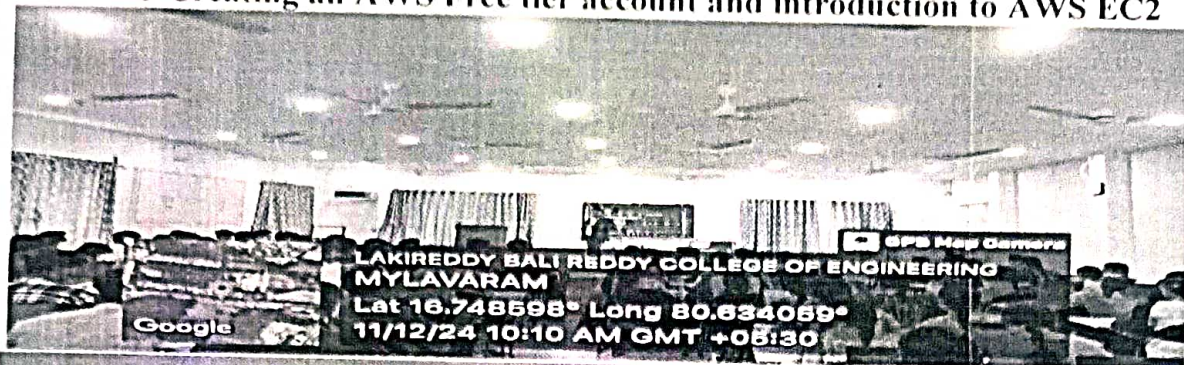
DAY -1 Introduction to Authentication using JWT, JSON



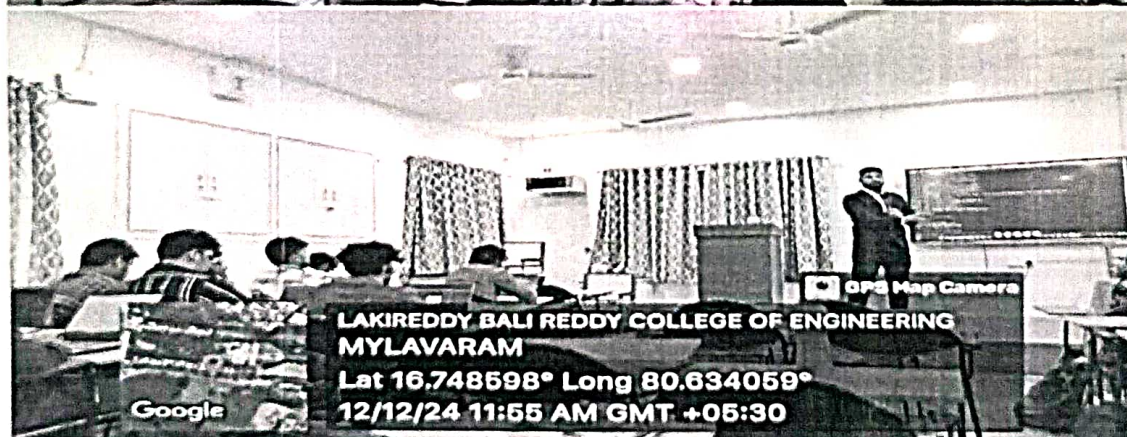
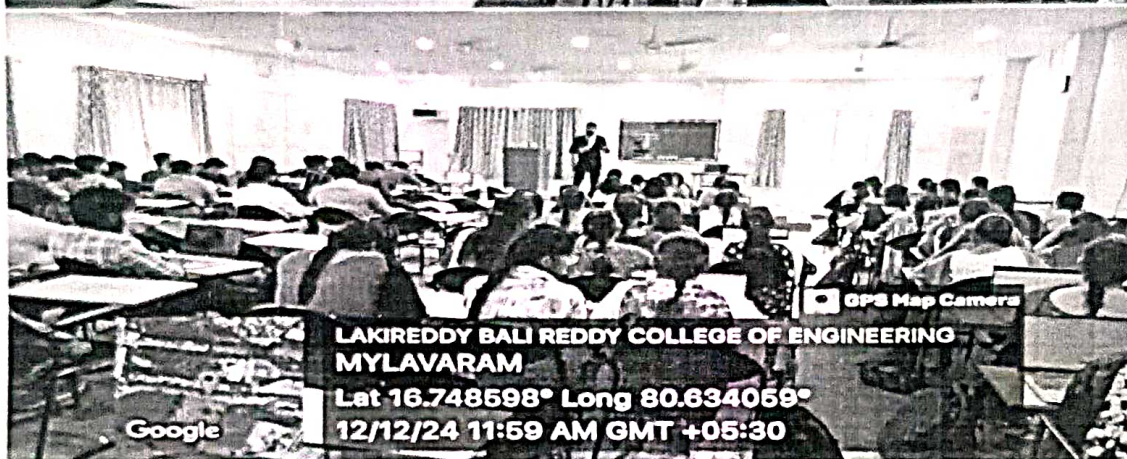
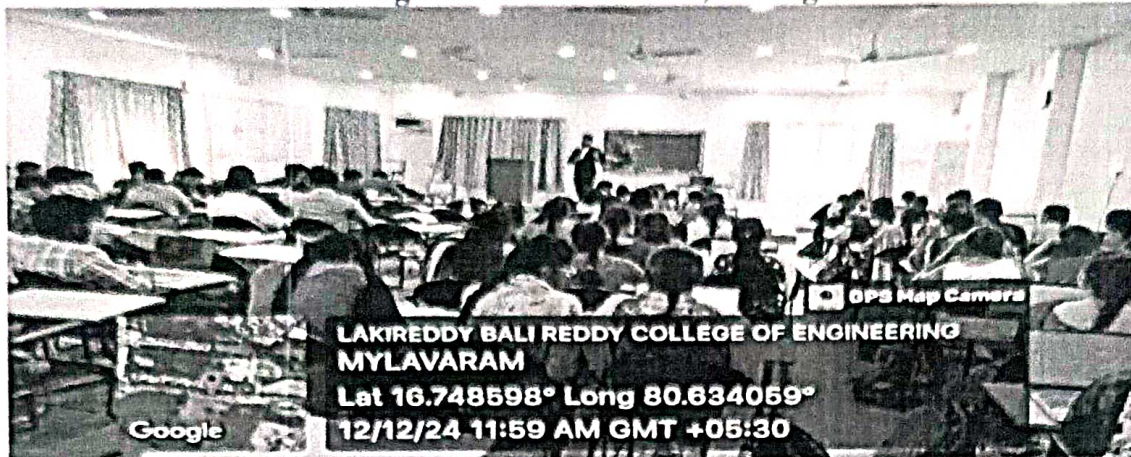
DAY -2 Designing a real time Application as a first step in SDLC, Developing Rest APIs using Python Flask Framework.



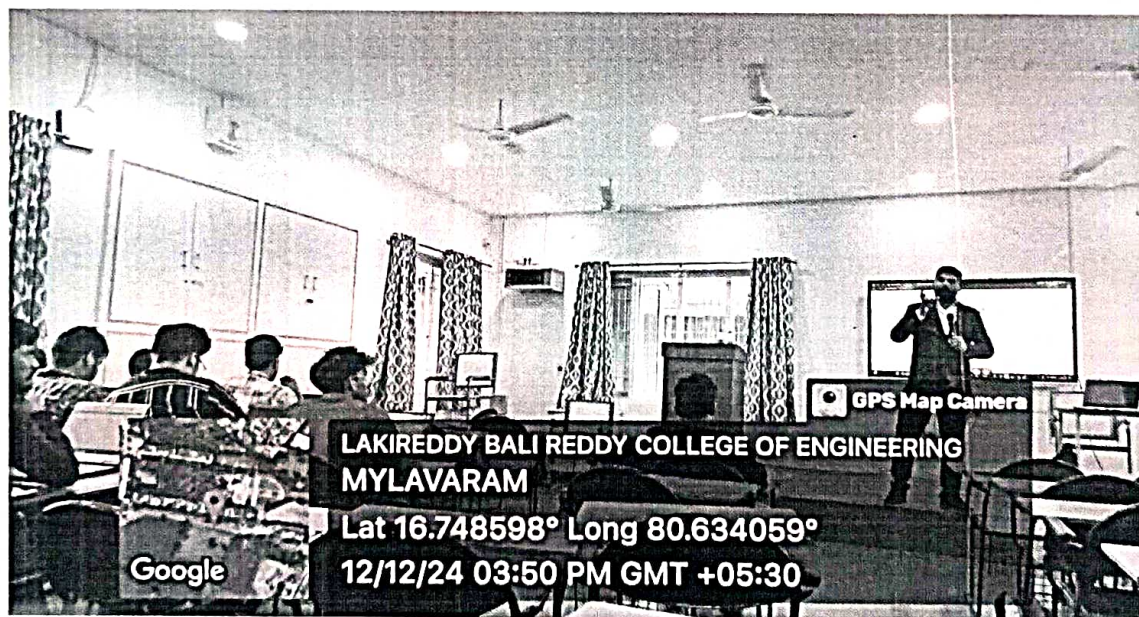
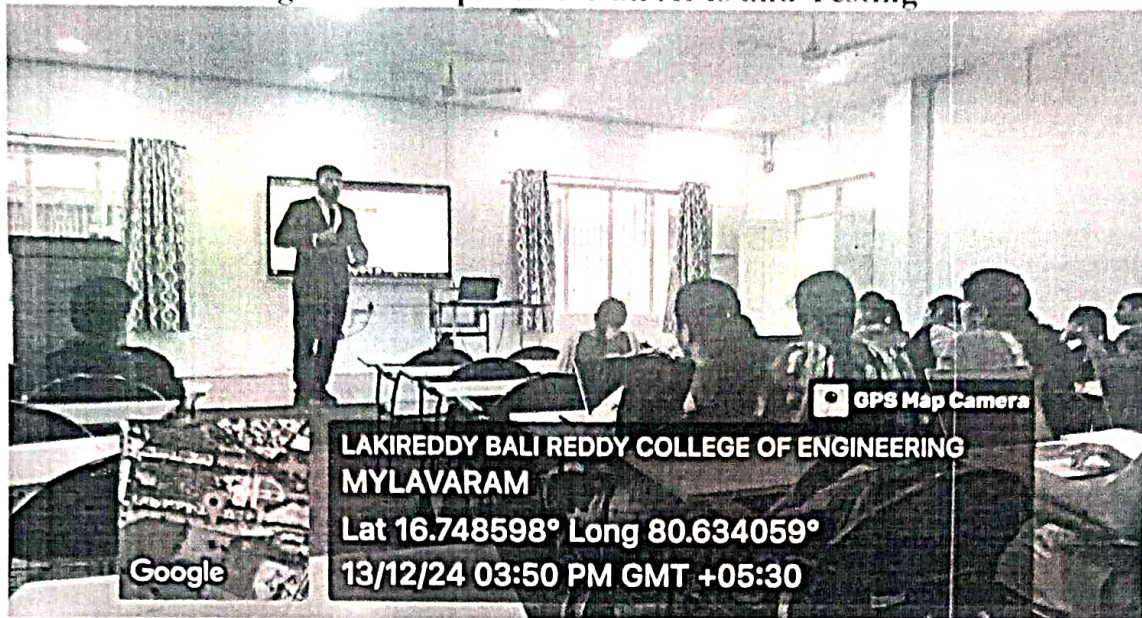
DAY -3 Creating an AWS Free tier account and introduction to AWS EC2



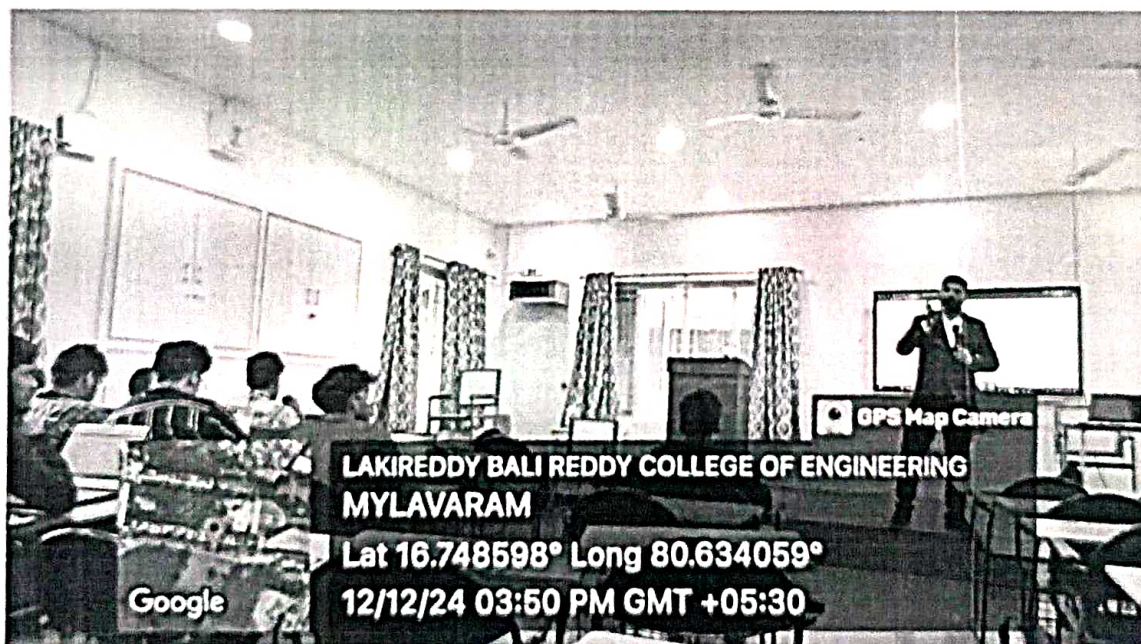
DAY -4 : Creating an AWS EC2 instance and Deploying our Application, Docker and Introducing Docker commands, testing them.



DAY -5 : Dockerization of our application and deploying it in AWS EC2, Developing Logs and Exceptions for all APIs and Testing



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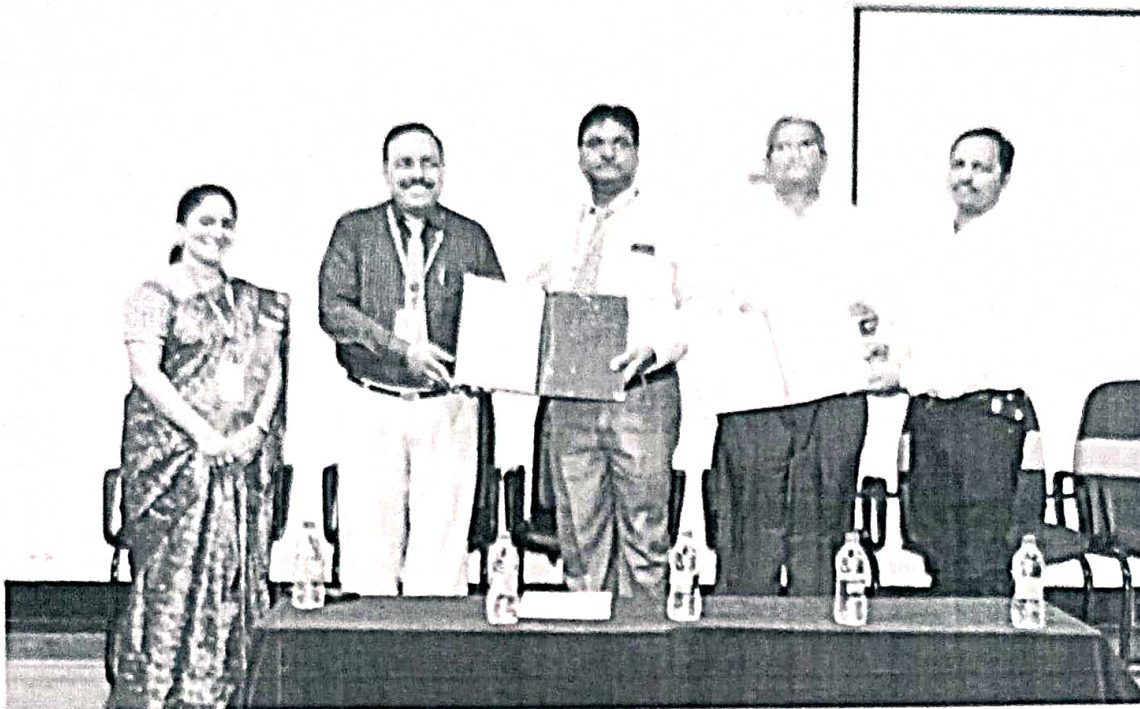
FULL HACKATHON DAY

Python with Flask Hackathon Evaluated By Mr. Jakkampudi Venkata Avinash
Founder & CEO at Odenkirk Private Limited



Python with Flask Hackathon Evaluated By Mr. Jakkampudi Venkata Avinash

Valedictory of "Building RealTime Web Application Using Python Flask"



Head of the Department