



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC with 'A' Grade

An ISO 21001:2018, 14001:2015, 50001:2018 Certified Institution
Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada

L.B. REDDY NAGAR, MYLAVARAM, NTR DIST., A.P.-521 230.

hodcsm@lbrce.ac.in, csmoffice@lbrce.ac.in, Phone: 08659-222 933, Fax: 08659-222931

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING (AI&ML)

Report on "Building Real Time Web Application with Python Flask"

Event Type	: One Week Workshop
Date	: 9 th December 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. S. Jayaprada, Professor & HOD, Dept. of CSE (AI&ML) Dr. O. Rama Devi, Professor & HOD, Dept. of AI&DS
Name of the Coordinator	: Mrs.Razeena Begum, Sr.Assistant Professor
Targeted Audience	: B.Tech VI Sem CSE(AI&ML) and AI&DS
Total No. of Students	: 59
Hackathon Full Day	: 12 Batches

Objective of the Event:

This program aims to empower III Year students of CSE(AI&ML) and AI&DS 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:

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

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:

Coordinator of the Workshop, Mrs. Razeena Begum 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

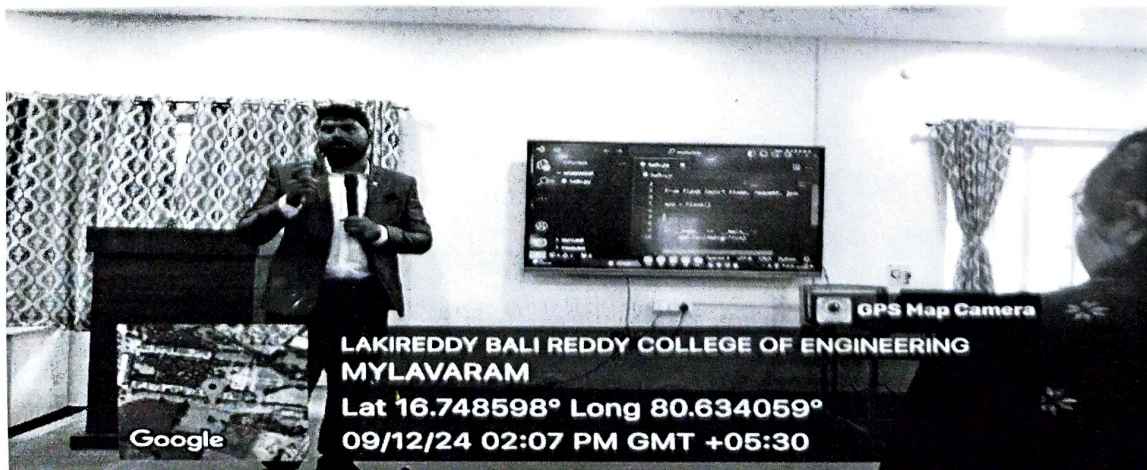
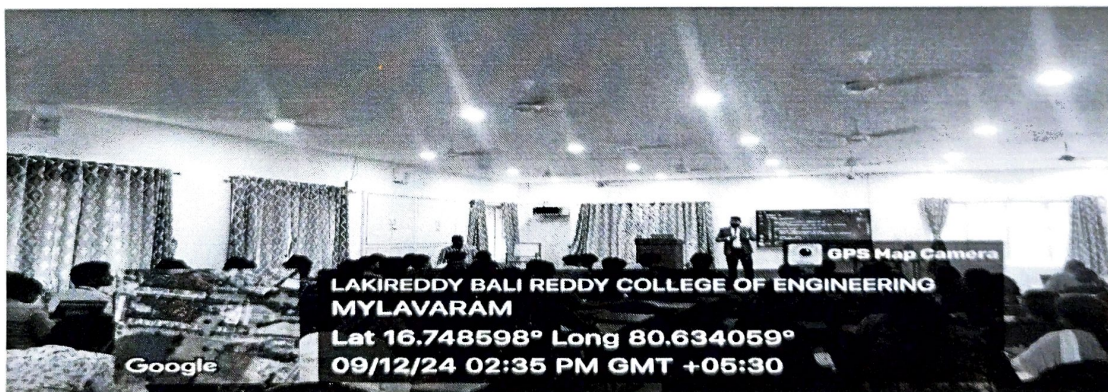


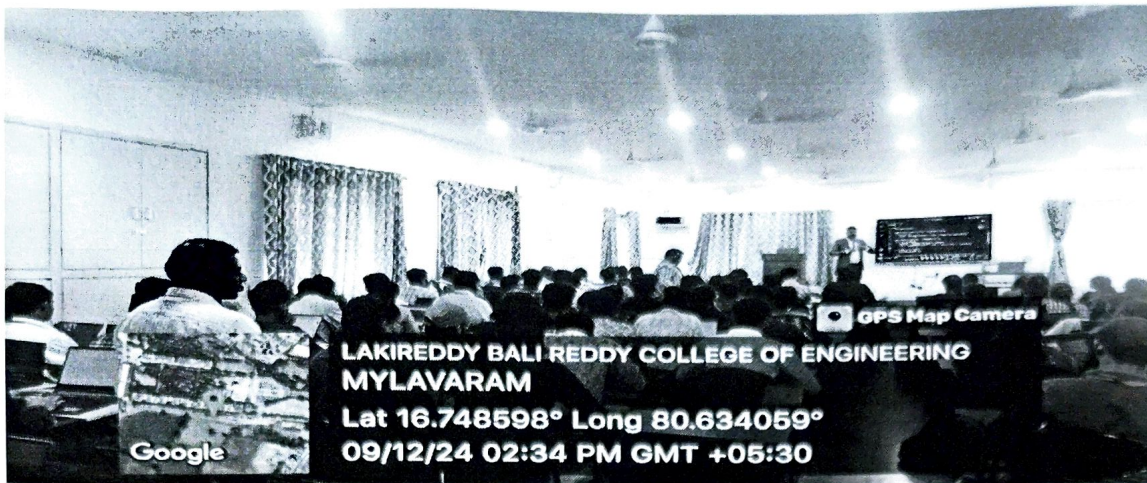
Organized by the Department of AI&DS,
CSE(AI&ML)



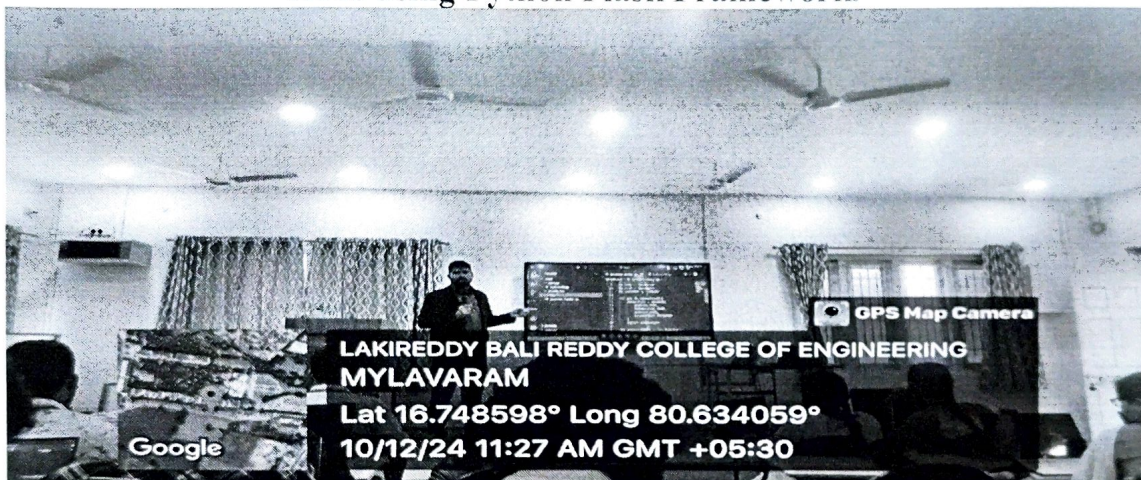


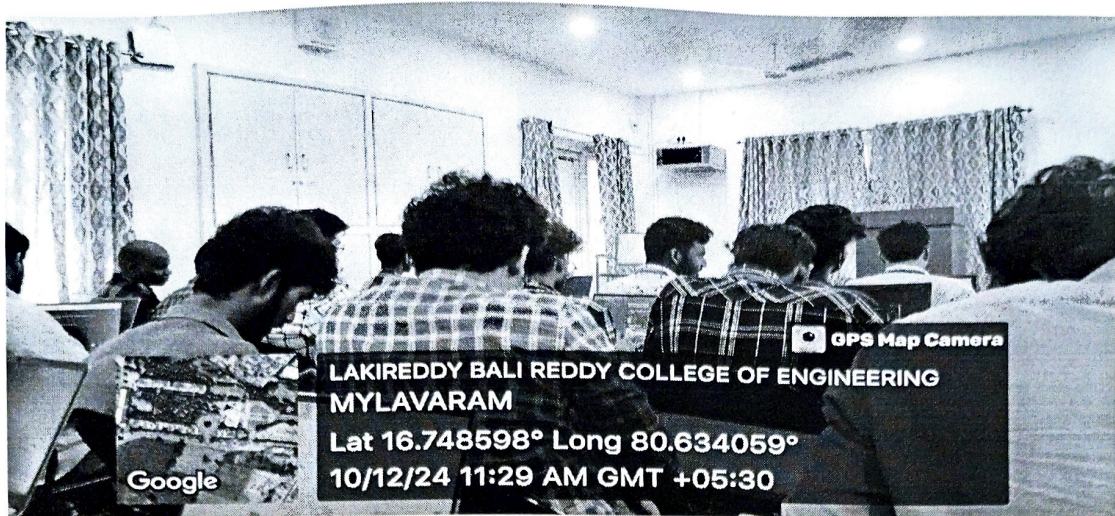
DAY -1 Introduction to Authentication using JWT, JSON



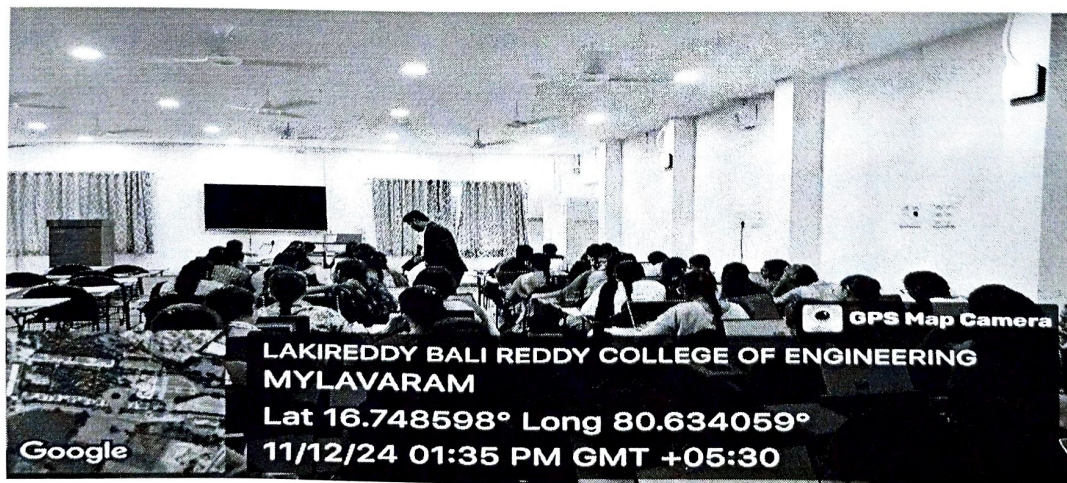
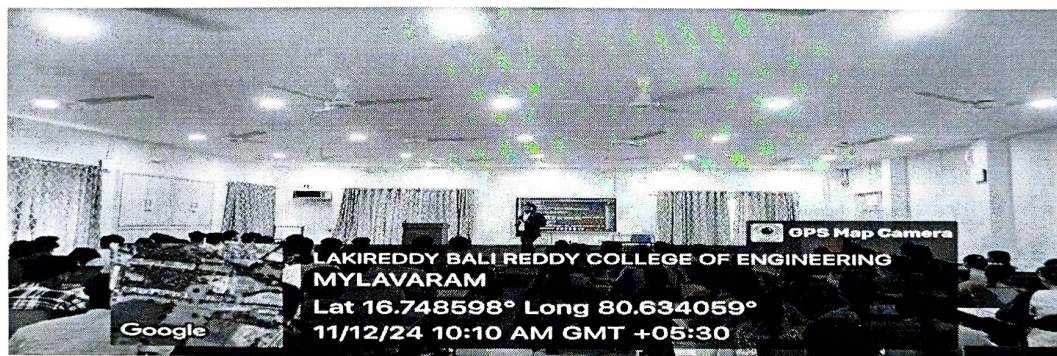


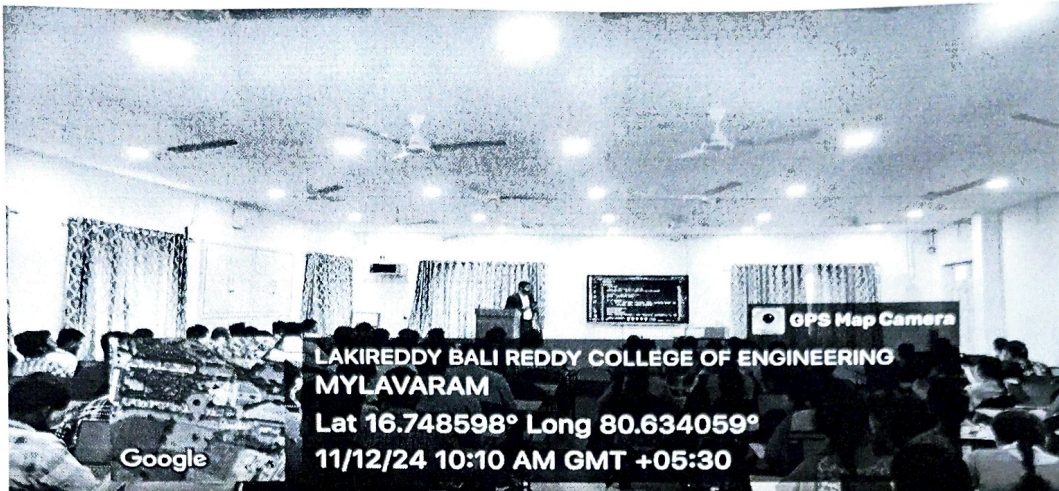
Day-2 Designing a real time Application as a first step in SDLC, Developing Rest APIs using Python Flask Framework.



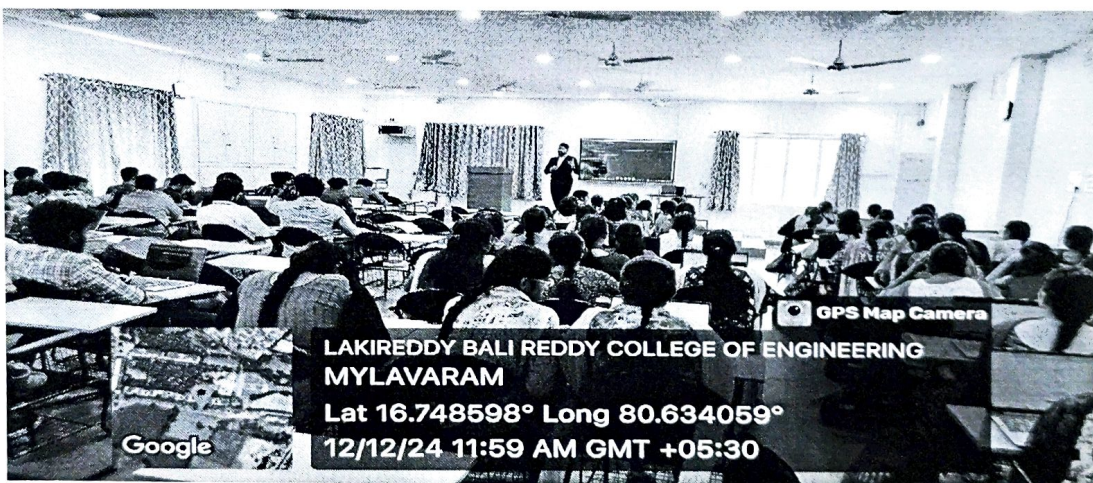


DAY -3 Creating an AWS Free tier account and introduction to AWS EC2



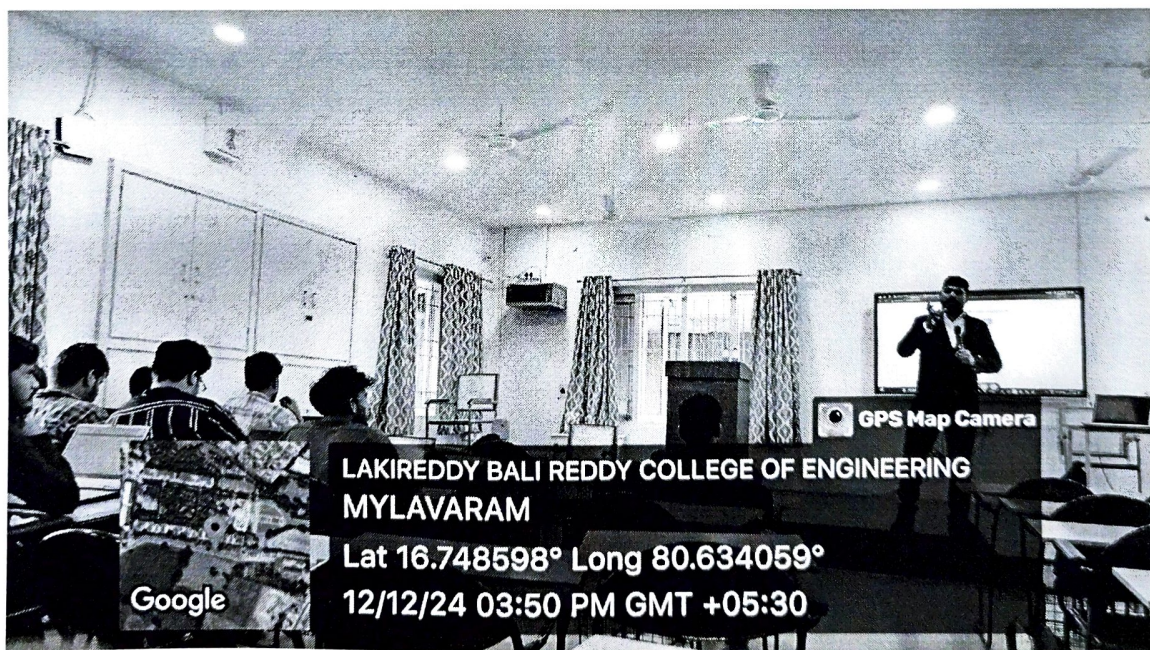


DAY -4 : Creating an AWS EC2 instance and Deploying our Application, Docker and Introducing Docker commands, testing them.





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

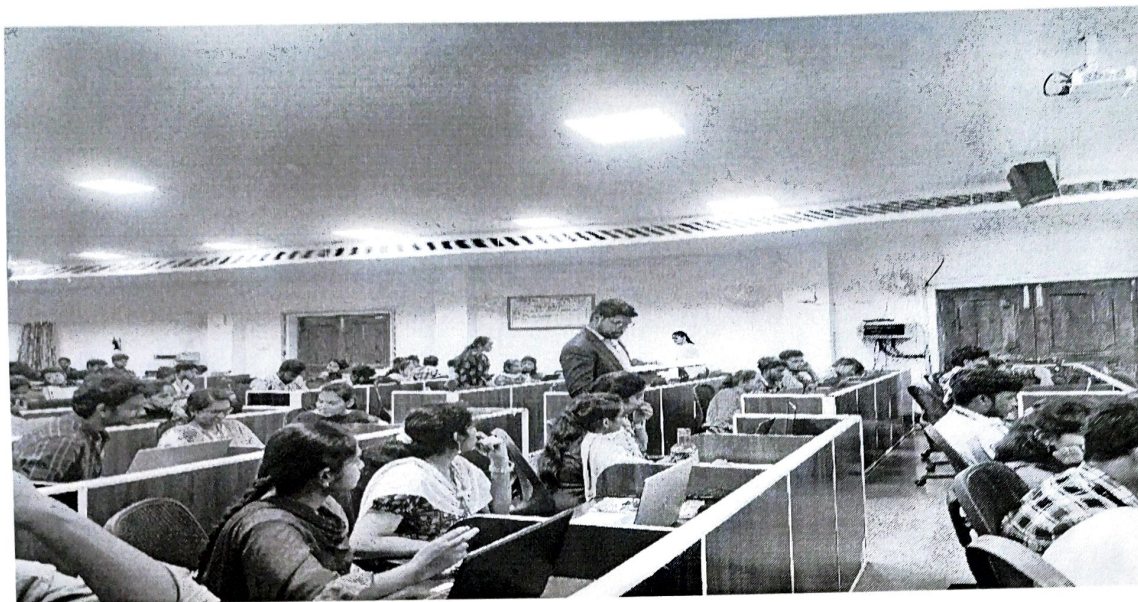


Impact Analysis:

1. Flask's simplicity and Python's readability make it ideal for beginners and professionals alike.
2. Quick setup and minimal boilerplate code facilitate a shallow learning curve.
3. Developers can build and deploy web services swiftly due to Flask's modular design.
4. Availability of learning resources and third-party plugins enhances development speed.
5. Flask is widely used in building RESTful APIs for backend services, mobile apps, and microservices.

FULL HACKATHON DAY

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



Valedictory of “Building RealTime Web Application Using Python Flask”



Razeena
Coordinator

[Signature]
Head of the Department