

Title : Project Registration & Progress Review

FF No. 180

Department: Electronics and Telecommunication Engineering	Academic Year: 2024-25
Semester: I	Group No. : 4
Project Title: Build a system to orchestrate and execute big sensor data workflows.	
Project Area: DevOps, Big Data, IoT	

Group Members Details:

Sr. No.	Class & Div.	Roll No.	G.R.No.	Name of Student	Contact No.	Email ID
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Project approved / Not approved

Guide

Project Coordinator

Head of Department

Project Synopsis

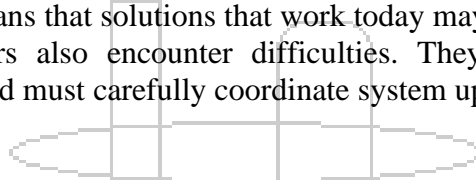
Aim: Develop a system to efficiently manage and process large volumes of sensor data.

Objectives:

- Address the complexities of sensor data infrastructure, including data collection, processing, and analysis.
- Simplify the process for data scientists and analysts to extract insights from sensor data.
- Automate the management of sensor data pipelines, reducing manual intervention and errors.

Managing Big Data infrastructure is complex and constantly changing. Data analysts and application developers face significant hurdles when running simple queries. They must navigate a labyrinth of tools, configurations, and clusters, often spending excessive time on setup and troubleshooting rather than actual analysis. Furthermore, the dynamic nature of Big Data environments means that solutions that work today may not function tomorrow.

Infrastructure providers also encounter difficulties. They struggle to assist users with configuration issues and must carefully coordinate system upgrades and expansions.



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Group No.			
Activity	Review Schedule	Progress Review Report submitted	Signature of Guide
Review 1	Mid Sem. Semester		
Review 2	End of Semester		

Review No.: 1	Group No.:	Date:
Progress Review Report:		
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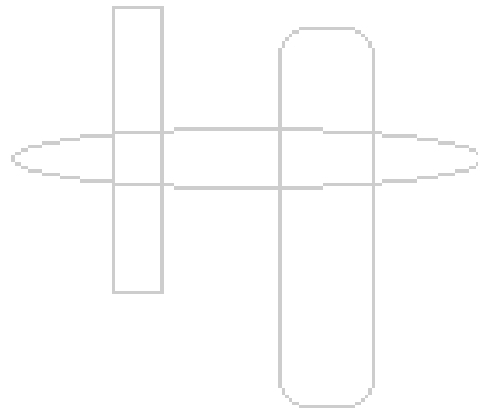
Signature of Guide:

Review No.: 2

Group No.:

Date:

Progress Review Report:



Signature of Guide:

