

Project Design Phase-III Solution Architecture

Date	2 November 2023
Team ID	PNT2023TMID592203
Project Name	Project - AI-Driven Optimization Of 5G Resource Allocation For Network Efficiency
Maximum Marks	4 Marks

Solution Architecture:

The AI-driven 5G network optimization project leverages LSTM models to provide real-time network performance analysis and optimization recommendations. By continually adapting to evolving network conditions, this solution contributes to the efficiency and reliability of 5G networks, ultimately improving user experience and network efficiency.

Our solution leverages Long Short Term Memory (LSTM) to address the 5G network optimization problem effectively.

- Data Gathering
- Data Preprocessing
- Model Building
- Network Optimization and Prediction
- Real Time Analysis
- Continuous Learning and Adaptation

Example - Solution Architecture Diagram:

