

Format for the Weekly Progress Report

Name of the Student 1	Dev Pandya
Roll Number of Student 1	22BCP409
Name of the Student 2 (if any)	Kavya Patel
Roll Number of Student 2 (if any)	22BCP406
Project Title	Smart Energy Consumption Monitoring and Prediction Using Big Data
Name of the Supervisor (Mentor) at PDEU	Dr. Samir Patel
Week Number	Week 12

Progress made in Week 12:

- Established a **data connection between Zeppelin and Power BI**, enabling seamless transfer of processed prediction outputs for visualization.
- Focused on **designing and refining the Power BI dashboard** to ensure clarity, usability, and an engaging visual layout.
- Created multiple **interactive charts and visuals** (state-wise load trends, forecast vs. actual comparison, and overall system metrics).
- Applied consistent **color themes, labels, and formatting** to enhance dashboard readability and professional presentation.
- Tested the dashboard with live prediction data to ensure **smooth updates and responsiveness**.

Dev Pandya

Kavya Patel

Dr. Samir Patel

**Name & Signature of
Student 1**

**Name & Signature of
Student 2**

**Name & Signature of
Supervisor (Mentor)**