

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 5
<p>Progress made in Week 5:</p> <p>POSOCO/NLDC Reports – Collected state-wise demand and peak load data from daily Power Supply Position reports.</p> <p>CEA Dashboard – Downloaded monthly/annual data on installed capacity and supply position to enrich forecasting features.</p> <p>National Power Portal (NPP) – Extracted region/state-wise daily generation data, especially renewable sources.</p> <p>data.gov.in – Retrieved machine-readable datasets on peak demand, generation, and power availability gaps.</p> <p>External Features – Identified weather (IMD, OpenWeather) and socio-economic indicators (GDP, population) for integration into the dataset.</p> <p>Progress: Multiple datasets have been sourced, pipelines for cleaning/integration initiated, and a unified schema is under development.</p>	

Dev Pandya

Kavya Patel

Dr. Samir Patel

**Name & Signature of
Student 1**

**Name & Signature of
Student 2**

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