

Project Design Phase-I
Proposed Solution Template

Date	15 May 2023
Team ID	PNT2022TMID01575
Project Name	Project - A Reliable Energy Consumption Analysis System For Energy-Efficient Appliances

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Lack of access to accurate and reliable data on energy usage based on incomplete or inaccurate information, is to help homeowners and utility companies better manage their energy usage, reduce waste, and lower costs.
2.	Idea / Solution description	By creating a Classification Model, we segregate appliances into three core based categories and calculate power invested
3.	Novelty / Uniqueness	Out of 5 papers obtained for Literature Survey, Our Concept differs by segregation apt.
4.	Social Impact / Customer Satisfaction	Customers will know which domain generates more Electricity and the order on which we can reduce the Electricity.
5.	Business Model (Revenue Model)	If we expand this project to Company level at Electricity department to detect which area contains heavy flow of energy and also to replace fuse cases and also high power indication.
6.	Scalability of the Solution	It is a minimum Scalable Project. It is a three - tier architecture with least prioritized in two tier.