

Problem Statement: Prediction of DT Failure

UHBVNL (Haryana)

Currently, in UHBVNL, around 2 lakh smart meters are installed across the DISCOM. The DISCOM has established a dedicated Smart Meter Operation Center (SMOC) for smart meter output data to implement a few pilot studies in the areas of Billing, Tampering and Revenue areas. Further, DISCOM is interested to join at National level program to expand their areas of study to reduce DT/PT failure rates with Predictive Failure Analytics for DT/PT and Other Value-added services using smart meter data using AI/ML solution tools. Load profile data for 15-minute time interval of smart meters is available for last 18 months. At present, Discom is interested to run the pilot project for 11,000 HT consumers in the smart meter divisions of Karnal, Panipat & Panchkula. UHBVNL further plans to scale the pilot projects to 1.7 lakh Smart Meter consumers covered across the Discom.

Problem Statement: DT Failure Rate

PGVCL (Gujarat)

DT failure rate is very high in areas of Upleta division because agricultural consumers are connected in most of the feeders in Upleta area, thus distribution transformers are getting overloaded. DISCOM is interested to implement measures to reduce DT failure rate by studying load pattern through predictive failure analytics using AI/ML solution. DT wise consumption data of all the connected consumers is available and DISCOM has informed that all support would be provided along with relevant information. Initially, Discom proposed to run the pilot project in the areas of Patti RRC/Dhoraji /Upleta sub division and in the future, increasing its scope to entire area of Upleta town.