

Problem Statement: Energy Theft Detection

MPPoKVVCL (Madhya Pradesh)

Smart & interval meters record multiple events (all technical anomalies/events) for a single consumer. Around 15,000 meters are scattered all over the Electricity Distribution Circles of the Discom which capture various events which are then validated by Meter Monitoring Cell. Presently, in case of occurrence of more than one event in a meter, the events are analysed separately (in isolation) by the technical team. However, the severity level of the anomaly would be more, only when the events supplement each other and make the case more severe. The DISCOM has data base of around past 3 years for 15-minute time interval actual drawl data. DISCOM is interest in implementation of AI based assessment of case-severity by combining the effect of multiple events across the catered areas of Discom. AI based system could help in assessing the severity level of such simultaneous events in terms of probability of electricity theft.