

# IIT-I to help discom in using advanced tech

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**Indore:** Indian Institute of Technology (IIT)-Indore will assist electricity department in using advanced tools based on artificial intelligence and machine learning for theft detection, smooth supply of electricity and efficient use of smart meter data.

Madhya Pradesh Western Region Power Distribution Company has installed 1.24 lakh smart meters in Indore city that drive huge data every hour about loading, readings and several other parameters.

“We have sought technical expertise from IIT to help us with advanced technologies to monitor and use data from smart meters. Data from smart meters is huge and needs specialised tools for storage and evaluation. We aim to

**MP Western Region Power Distribution Company has installed 1.24 lakh smart meters in Indore that drive huge data every hour about loading, readings and several other parameters**

use this data in improving the efficiency of power supply, consumption and theft detection,” discom managing director Amit Tomar said,

According to discom, data from smart meters will increase as number of connections go up in city and this will demand smart technology for storage and further analysis of data for improving the power supply.

A team from IIT-I led by a professor from electrical engineering department and students early this week had visited the electricity department.

“We have tried to understand the issues faced by discom and areas where they would want to utilise the data of smart meters. The aim is proper and efficient usage of the data for multiple purposes. One of the problems, we would help them by means of advanced tools is quick theft detection and efficient supply of electricity,” IIT Indore’s electrical engineering professor Dr Trapti Jain said.

Jain said that advanced tools based on artificial intelligence and machine learning would also help discom map large volumes of smart meter data and time to time analysis.