



## Challenges and Opportunities for Smart Meters in Smart Cities of India Using Machine Learning and Deep Learning

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### Abstract

The current era has been filled with the data and information, crawling around the web and being utilized in the best way to produce smartness. The same concept has been used for developing smart cities by increasingly deploying IoT sensor devices to collect the data from various fields. There are numerous opportunities in these fields that are related to streaming IoT data, cloud service, computer vision, and machine learning. Simultaneously, there are lots of challenges while implementing the solutions at various locations. This chapter highlights various challenges and opportunities in electricity meter consumption and billing. In this chapter, a Python-based model has been proposed for smart electricity meter for taking the reading from commercial/residential meters and producing the electricity bills smartly. Challenges for the customers will be handled by frequently monitoring the reading from the meters and reporting issues if any directly to the concerned authority. This will definitely help specially the commercial consumers to rectify their issues.