Product Name	**Real time electricity consumption monitoring system for industrial complexes (under development)**
Category	**Industrial IoT (IIoT)**
Product Pictures	Not available (under development)
Product Scope	To capture real time electricity consumption of different departments/areas within a large industrial complex and monitor it on a user website
Need/Problem statement	• Large industrial complexes requires taking electricity meter reading manually • This involves tedious process of physically visiting the meter location and noting down in hard copy form. • Manual Readings are generally taken only once a month or a week. • Data analytics is not possible on such limited data.
Product Details	In our product we will install sub-meters at various desired locations. These sub-meters will have a communication port for reading electrical parameters. A 6LoWPAN enabled module will be attached to these sub-meters. These 6LoWPAN modules can read data from these sub-meters via available communication port and send it to a host gateway via 6LoWPAN wireless mesh network. The host gateway will then send it to remote server/website which will do all data analytics on this real time data.
Technical Keywords	Wireless Sensor Network, MESH topology, Hopping concept, 865/868 MHz frequency, 6LoWPAN, RPL, UDP, Industrial Energy management