

"SMART OVERLOAD DETECTION SYSTEM"

- A solution for energy crisis

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**A Project Report
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Abstract

India is country with rich and various traditions & customs. India is known for its varied heritage and culture. People of all faiths celebrate their festivals and functions with high zeal, beautiful decorations and loud noise. Every next home or a consumer in a street has a function day in and day out. The best part is, all this appears very glorious, but on the other hand, tends to wastage of electricity, because for all glory and glamour, one needs electricity as basic amenity. Due to the extensive usage of electricity these days, distribution transformers are failing and malfunctioning.

A consumer is sanctioned a required load for his use at the time of construction of his immovable property. The new inventions in technology and implementing them in day to day life, has made the consumer to completely rely on these electricity based equipments.

The consumer tends to use more power than sanctioned lot, be it intentionally or unintentionally, which leads to overload. This has negative effects over equipments and distribution transformers as well.

For any technically educated person, this would be a clear picture of heavy loss of energy resources. So, we came up with a solution towards this very important problem and threw light over the hidden yet important factor for extinction of resources.