**Smart Electricity Provision Platform**

**Synopsis**

**Bachelor of Technology**

**Computer Science and Engineering**

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# Problem Domain

It is a Web application of Smart Electric meter Provision.

# Motivation/Study

The motivation behind this project is digitalization. Currently, getting electricity meters encompasses several offline and physical steps. Hence management and provisions of such essential facilities in India need to be done in much easier way which can only be incorporated using digitalization. This platform will provide these facilities online to customers which will improve the digitalization process as well.

# Problem Definition

The problems that are being solved by this project are:

* Problem 1: For the proper installment, remove or exchange of a meter, customer has to contact the electricity department physically and then only they able to request for a service.

The above steps generally take much time and efforts for the installment, remove or exchange of a meter. Thus enabling these process through an online web platform will reduce this problem. Customer can request for any service related to meters management at anytime and anywhere.

* Problem 2: Customer will be able to get the status of their request in their phones or systems.
* Problem 3: By using **smart meters** instead of simple meter, the data will be collected automatically and will be used for billing purposes easily. There will be no need of manual reading anymore.
* Problem 4: **Prepaid** as well as **postpaid** service will enable the customer to use the electricity efficiently as per their own use.

# Project Benefits

* Ease of access to customers. The platform will provide the service and also maintain the billing as well.
* The service can be requested by the customer by anytime and anywhere. All they just need is access to website.
* Status will be transparent to the customer and they can exactly get to know their request’s current status.
* Customer will be provisioned with access to prepaid and postpaid services as well.
* Paperwork will be reduced. Hence, will save much of papers that will ultimately support Go Green.

# Conclusion-

* Society will move towards digitalization.
* Billing can be done online according to prepaid and postpaid service.
* Transparency in providing the service.
* Cost Effective.
* Easy accessibility.

# References:

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