

# **ABSTRACT**

**Topic : Kerala State Electricity Board**

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The main objective of this project is to provide the better performance of Kerala electricity board service and to manage those services through computerized system. In this **KSEB** System the operation has divided into three forms such as generation, transformation, distribution and they have do their on works.

### **Generation**

They have chief engineer, deputy engineer, executive engineer, assistant, executive engineer, sub engineer, overseer, workman they they provide power supply

### **Transmission**

Transmission network, the backbone of any power system enables transfer of bulk power from the generating stations to the load centers. geographically divided in to two zones North and South. Each zone is headed by a Chief Engineer. Chief engineer, deputy engineer, executive engineer, assistant, executive engineer, subengineer, overseer ,workman.

### **Distribution**

The Strategic Business Unit-Distribution of Kerala State Electricity Board Ltd is responsible for the distribution of electricity in the State of Kerala. They have Chief engineer, deputy engineer, executive engineer, assistant, executive engineer, subengineer, overseer, lineman ,workman.

Mainly this project contains four users:

- Admin
- Officers
- Customers
- Staff

**Admin:**

Overall control of the system and manage all activities.

**Staff:**

Control over a particular area and managing the electricity problems.

**Officers:**

Control over all services.

**Users:**

Can view the services and apply for the services they need. View notifications and pay bill online.

**Admin:**

- Login
- View customer details
- View staff, officers details and workers details
- Provide new services
- Manage staff and officers
- View all payment details
- Create schemes

**Customers:**

- Register
- Login
- View services and notification
- Apply for services and schemes

- View status
- Profile edit
- Request for new connection
- Compliant management
- Payment
- Upload the image related to meter reading
- Logout

**Staff:**

- Login
- User management
- View all application
- View status
- Process services
- View salary details
- Apply leave
- Process connection
- Update profile

**Officers:**

- Login
- View new request from user
- Approve new connection
- Update status
- Update profile
- Apply leave
- View salary payment details
- Data Verification

- Generate report
- Manage staff
- View status of staff
- Sense the image and generate bill
- Logout

The existing system have the disadvantages that is time consuming.

These issues can be overcome by the proposed system. It makes the process is more easier and people can know about the services and send all notification to website and mobile phone.

New method to pay bill through image processing and generate receipt for the user to using Android.