RGUKT Campus Maintenance System

Under the Guidance of **B.Lingamurthy Sir**

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Agenda

1. Aim

2. Introduction

3. Intended Audience

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AIM

To provide a responsive, secure, user friendly and browser Independent website to address maintenance issues (like Electrical, Plumbing, IT, or Civil works) of the Institution.

INTRODUCTION

Generally, to address any issue related to maintenance like electrical, plumbing, IT or civil works every individual need to visit concern department. It is difficult for a student or Faculty to visit a certain Maintenance department every time to address their problem or to check their problem status. So, our idea is to bring a website to address their issues or complaints to the maintaining departments (like electrical, plumbing, IT, or civil works) or to the administration, because physical involvement is always difficult. Even Administration can easily know all complaints details and solve those issues accordingly.

INTENDED AUDIENCE

- Students
- Faculty
- Authorized people from various Departments
- Administration

Technologies and Frameworks

Frontend
- HTML
- CSS
- JavaScript
- BootStrap

Backend
- Node Js
- Express Js
- MySQL

Node Js & Express Js

Node Js

Node.js (Node) is an open source development platform for executing JavaScript code server-side. Node.js is intended to run on a dedicated HTTP server and to employ a single thread with one process at a time. Node.js applications are event-based and run asynchronously.

Express Js

Express is a node Js web application framework that provides broad features for building web and mobile applications. It is used to build a single page, multipage, and hybrid web application. It's a layer built on the top of the Node Js that helps manage servers and routes.
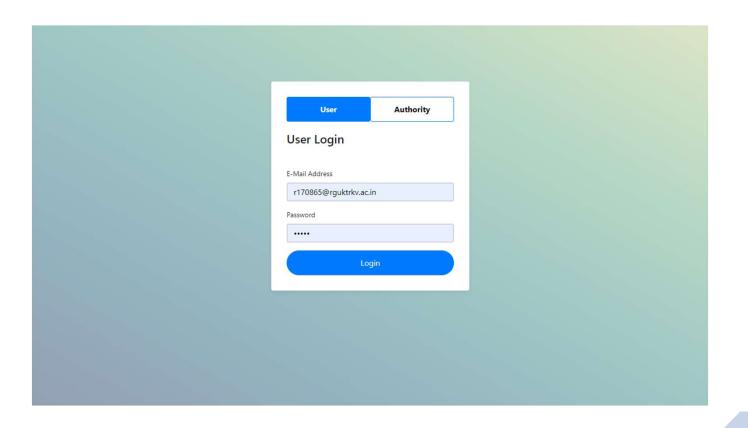
Functions

- User can register new complaints and can also check status of their complaints
- Authorized people from Electric Department can check the user raised complaints and can update the status of the complaint.
- Electric Department head can assign complaints to Electricians and they can also make Duty Assignments.
- A two way verification is done to ensure whether the complaint is resolved or not.

Home Page

Two types of logins are provided in home page.

When user login with their credentials then they directed to the User Interface.

When an authorized person from Electrical Department logged in then they will be directed to Electrical Department Interface.

Home Page

User Features

- User can raise new complaints(Request).
- User can check his/her complaints status.
- User can go through the complaints history.
- User can close the complaint once it solved.
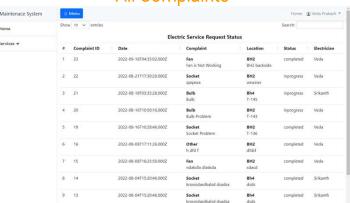- User profile
- Reset Password

User Interface
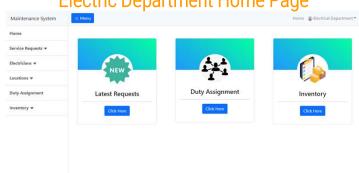
User Home Page

Request for Service

Service Status
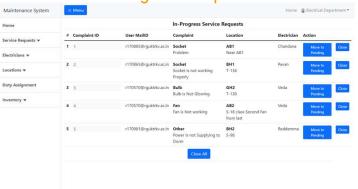

All Complaints

Electric Department Features

- They can check complaints raised by users.
- Can assign Electrician for complaints(will be done based on Location-Electrician Mapping).
- Can add/Remove Electricians
- Can add/Remove Locations
- Can Assign duties for electricians for different locations.
- Can close a complaint after Resolving it.
- If both user and Electrical department close the complaint then only it is marked as Completed.
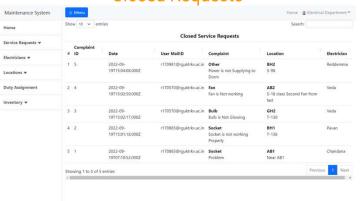- Reset Password

Electric Department Interface
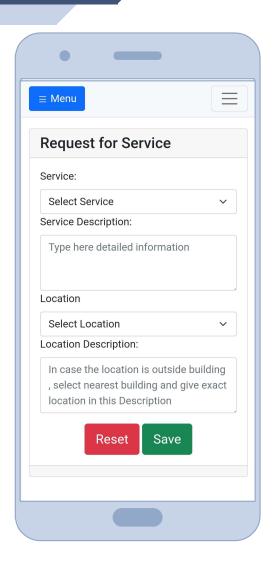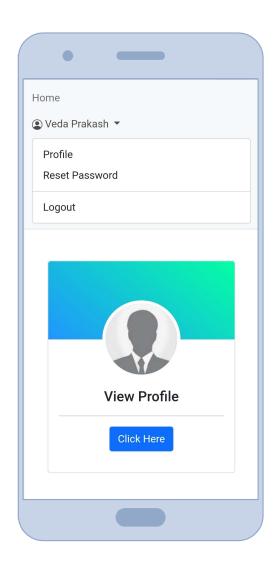
Electric Department Home Page
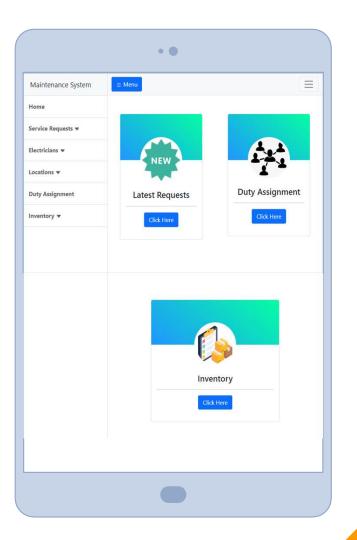

In-Progress Requests

List of Locations

Closed Requests
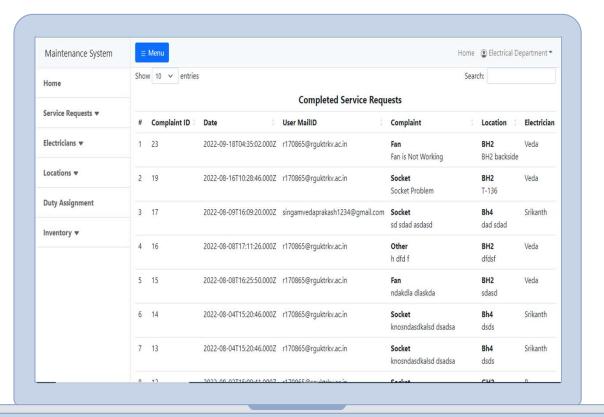
MOBILE VIEW

This Website is Compatable to all type of Mobile Devices.

TABLET VIEW

DESKTOP VIEW

QUALITIES

Availability

The portal will be at any time with the exceptions of maintenace.

Scalability

The Website is scalable that means we can add more features in future .

Security

The users of this website are authorized. Any changes in the database are from authorized users.

Usability

This portal is user-friendly such that a layman can also be capable of using the portal with ease.

Compatability

The portal is compatible with any browser , any device and from any environment.

Future Expansion

- Inventory for Each Departments.
- Interfaces for remaining departments.
- Administration Page
- Admin page to create logins for varies interfaces.

OUTCOMES

- User can easily address their complaints without visiting particular departments.
- Departments can easily maintain complaints logs.
- Electric Department heads can easily Assign Duties for electricians .

THANK YOU