

SURAJ SOMAN

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PROFILE SUMMERY

Electrical Engineer having total 3 **years** of experience in the field of Electrical Energy Management system. Gained experience and knowledge in various E&I Equipment, Engineering drawings, Manpower & Resource management, Industrial management, electrification and Maintenance of Industry & Substation.

Technical Qualification - Bachelor of Technology in Electrical Engineering

Certification Course:

- Designing and Drafting in Fire Fighting, Plumping, Electrical and HVAC
- Autodesk AutoCAD
- Autodesk AutoCAD Electrical
- Autodesk Revit MEP

EXPERIENCE HIGHLIGHTS

1st March 2019 to 2nd January 2021 in RK Electricals as Electrical Design Engineer.

Responsibilities:

- Designing of Single line diagrams, electrical schematic diagrams, terminal blocks and control panel layouts etc
- Performs calculations for overload and short circuit protection of the system.
- Assist in preparation of estimates, work packages, specifications as required.
- Testing new systems and making design changes if needed.
- Producing necessary design reports and documentation.
- Maintain awareness of new and emerging technologies and the potential applications on client engagements.

1st January 2018 - 31st January 2019 in Power Systems as Electrical Design Engineer.

Responsibilities:

- Designing and Drafting of Electrical drawings, estimation, calculation and BOQ studying.
- Perform all the corrections-additions and deletions work on the electrical scheme to obtain sanction from electrical inspectorate.

- To track spare parts and inventory system and arrange materials for maintenance work.
- Maintaining various records such as daily log sheets, monthly operating reviews, different registers etc.
- Budgeting of upcoming projects.
- Take every opportunity to learn about system design, installation and code requirements.

ACADEMIC PROJECT

Main Project : "Home Automation System Using Internet of Things"

Description:

- A Home Automation system systems means that allows users to control electric appliances of varying kind.
- To save electric power and human energy.
- Allows the user to operate system anywhere in the world.

"Staff Locating Aid"

Description:

In a large institution, it is very difficult to locate a staff and it will identify the solution for this without using GPS system.

SEMINAR

"Distribution Line monitoring System for the Detection of Power theft using Power Line Communication"

Description:

Electrical power theft is the main cause of Non Technical Losses in electrical power system. This paper is intended to provide with an innovative scheme for detection and monitoring of Electrical power theft in Electricity distribution system based on the principle of Power Line Communication.

INDUSTRIAL EXPOSURE

- Industrial training at **Kerala State Electronics Development Corporation (K.S.E.D.C) LTD., KELTRON CONTROLS DIVISION** in Aroor - Kerala
- Visited 11 kV Substation at **Wonderla Holidays Kochi**.
- Internship training at **Kelton Equipment Complex** , Trivandrum- Kerala.
- Execution work of Kerala State Electricity Board for Providing Earth Mat in 220 kV substation, Kalamasserry.

EDUCATION

- **Bachelor of Technology (B-Tech) in Electrical and Electronics Engineering**, Mahatma Gandhi University, Kerala, India-2017.
- **HSE** from State Board of Public Exams, Govt. of Kerala, India-2013.
- **SSLC**(Secondary School Leaving Certificate,Board of Public Exam,Govt of Kerala, India)- 2011.

COMPUTER & SOFTWARE PROFICIENCY

- Autocad
- MS Office
- Excel
- MATLAB

MY SKILLS

- Able to work well under pressure and in a crisis environment.
- Able to work for hours in case of emergencies.
- Hard working, selfmotive and communicative.
- Strong critical thinking and problem solving skills.
- Ability to maintain records and prepare routine reports.
- Fast learner of new technologies and advancements.
- Good leadership skills and team player, ability to work unsupervised.

PERSONAL DETAILS

- Date of birth : 11 August 1995
- Languages known : English, Hindi, Malayalam
- Marital Status : Single
- References : Available on request
- Permanent Address : Purampallil (H)
Neelamperoor P.O Alappuzha
Kerala - 686534

DECLARATION

"I hereby declare that the information provided is true to the best of my knowledge and belief."

Signature