



ESAKKI MUTHU

ELECTRICAL LV & ELV

DESIGN | DRAFTING | MEP BIM MODELLING

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Portfolio Link : <https://esakki-portfolio.onrender.com/>

EDUCATION

Senior Secondary Certificate

Darussalam Higher Secondary
School

2020 - 2021

Bachelor of Engineering Electrical and Electronics

KIT – Kalaignarkarunanidhi Institute Of
Technology

2021 – 2025

CERTIFICATION

Electrical Design And Drafting & Bim Modelling

Beyond MEP Engineering
Academy, Chennai

June 2025- present

SOFTWARE SKILLS

- REVIT MEP BIM
- AUTOCAD
- RELUX
- MS OFFICE

SKILL SET

- Lighting Simulation
- Cable Sizing
- Family Creation
- Scheduling
- Sheet Creation
- Detailed Annotations

PROFESSIONAL SUMMARY

A motivated engineer with 6+ months of Professional Training, eager to apply technical knowledge and hands on expertise to real world challenges. I am aiming to contribute effectively to organizational growth by leveraging my skills and promising to deliver exceptional results.

TECHNICAL SKILLS

ELECTRICAL DESIGN AND DRAFTING

- Familiar with various electrical LV / ELV Systems, Components and their Working Concepts.
- Preparation of Load Estimation Sheet, Cable Selection, Cable Tray Sizing, Circuit Breaker Selection.
- Selection and Sizing of Transformers, DG Set, UPS System and Solar Panel.
- Preparation of CCTV, FAS System Layouts
- Preparation of Single Line Diagram and Schematic Diagrams of LV and ELV System.
- Lighting simulation using RELUX software

REVIT MEP AND ARCHITECTURE

- Created detailed MEP BIM models for Electrical,
- HVAC, Plumbing and Fire Fighting System
- Collaborated with design teams to develop
- coordinated 3D models.
- Utilized Revit MEP tools to generate Families,
- Schedules, and Schematic Layouts.
- Conducted clash detection analysis and provided
- Revit training and support to team members.