HARINISRI R

Pre-Final Year – Bachelor of Electrical and Electronics Engineering

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CAREER OBJECTIVE

Motivated Electrical and Electronics Engineering student with a strong interest in electrical machines, power systems, and industrial electrical applications. Seeking a campus placement opportunity in an electrical/electronics core company to gain hands-on experience and contribute effectively to system reliability and safety.

EDUCATION

Bachelor of Electrical and Electronics Engineering (B.E – EEE)
Government College of Engineering, Salem 2023 – 2027
CGPA: 8.17 (up to 5th semester)

Higher Secondary (HSE)
New Power Matric Hr. Sec. School 2022 – 2023
Percentage: 93.66%

Secondary (SSLC)
Jayam Matric Hr. Sec. School 2021 – 2022
Percentage: 100%

CORE TECHNICAL SKILLS

- Electrical Machines (DC Machines, Transformers, AC Machines – Basics)
- Power Systems (Generation, Transmission & Distribution – Fundamentals)
- Control Systems (Basic Concepts)
- Electrical Measurements & Instrumentation
- Electrical Safety and Protection (Basic Understanding)

TOOLS & SOFTWARE

- MATLAB (Basic), Simulink (Beginner)
- Arduino (UNO, Nano – Basic Interfacing)
- Sensors: Temperature, Smoke, Gas, Ultrasonic, Vibration
- MS Excel, MS PowerPoint

ACADEMIC & MINI PROJECTS

Smoke and Fire Detection System

- Designed an electrical safety system using smoke and temperature sensors
- Implemented alert mechanisms during abnormal conditions
- Gained exposure to electrical protection and safety systems

Obstacle Avoiding Robot

- Developed a robot capable of detecting obstacles and changing direction automatically
- Implemented motor control using sensor-based logic
- Improved understanding of automation and embedded control concepts

Motor Fault Detection Using Temperature and Vibration Sensors

- Monitored motor health through temperature and vibration analysis

- Identified abnormal operating conditions for preventive maintenance
- Enhanced knowledge of condition monitoring and fault diagnosis

Smart Wheelchair

- Designed a smart mobility aid using sensors for assisted movement
- Focused on safety, ease of control, and basic automation
- Applied embedded systems and control fundamentals

INDUSTRIAL VISITS

- Mettur Thermal Power Station – Power generation, turbines, boilers, and distribution systems
- kundha Power Station, Ooty – Industrial power systems, electrical infrastructure, and safety practices

TECHNICAL EXPOSURE & SEMINARS

- Paper Presentation on Hybrid Electric Vehicles (HEV)
- Paper Presentation on Micro-Electro-Mechanical Systems (MEMS)
- Wireless Power Transfer Systems
- PCB Design and Basic Hardware Implementation

CERTIFICATIONS & COURSES

- Electric Vehicles (EV)
- Battery Management Systems (BMS)
- Design of Electrical Motors and Power Converters
- Hybrid Electric Vehicles (HEV)

POSITIONS OF RESPONSIBILITY

- Joint Secretary – Department Association
- Hostel In-Charge – Student Coordination and Supervision

SOFT SKILLS

Leadership — Team Coordination — Problem Solving — Communication

LANGUAGES

English (Read, Write, Speak)
Tamil (Read, Write, Speak)