

CURRICULUM VITAE

Mohammed Habeeb

BE in Electrical and Electronics Engineering

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PROFESSIONAL SUMMARY

Versatile Electrical Engineer with 10+ years of experience spanning MEP design, project management, and construction leadership. Proven track record in leading multidisciplinary teams as Project Lead, Design Lead, and Construction Lead on industrial, commercial, and residential projects. Skilled in delivering complete solutions from concept design and technical documentation to execution, testing, and handover while ensuring compliance with international codes and client requirements. Recognized for cross-functional MEP expertise, strong problem-solving abilities, and consistently driving projects to successful completion within scope, budget, and schedule.

CORE SKILLS

- Project Management & Multidisciplinary Team Leadership
- Innovative Research Facility Support
- MEP Design (Electrical, Mechanical & Plumbing Systems)
- Power Distribution, ELV & Low Voltage Systems
- Fire Alarm, Life Safety & Access Control Systems
- Specialized Hi Tech Lab & Research Facility Design (Cleanrooms, Robotics, Cyber Security, Plant Growth Chambers)
- HVAC, Environmental Control & Critical Infrastructure Integration
- Construction Supervision & Site Coordination
- Electrical Load Calculation & System Optimization
- AutoCAD, Revit MEP (Basics), ETAP (Basics), Dialux

PROFESSIONAL EXPERIENCE

Company: KINETICS GERMANY GMBH - SAUDI ARABIA - KAUST

Duration: December 2018 to Present

**Roles Held: Site Electrical Engineer → Project Engineer → Project Lead → Design Engineer
→ Design Lead → Construction Lead**

Responsibilities:

- **Project Leadership & Design**
 - Directed end-to-end design and execution of MEP systems for industrial, commercial, and research facilities.
 - Led multidisciplinary design teams, ensuring alignment with project requirements, international standards, and client expectations.
 - Developed detailed design packages, load calculations, and technical documentation for approval and execution.

➤ **Construction & Site Coordination**

- Oversaw on-site supervision of electrical and MEP installations, testing, and commissioning.
- Coordinated between consultants, contractors, and clients to resolve design/site issues and maintain project timelines.
- Implemented QA/QC procedures and safety standards, ensuring compliance with NEC, NFPA, IEC, BS, SBC, and KAUST Standards.

➤ **Key Achievements**

- Successfully transitioned from site-level engineering to leadership roles, reflecting consistent performance and trust from management.
- Delivered multiple high-value projects (labs, research facilities, and infrastructure works) within scope, budget, and deadlines.
- Recognized for expertise in specialized environments such as cleanrooms, robotics labs, cybersecurity facilities, and controlled-environment agriculture labs.

Company: SRIPEKSHA ENGINEERING CONSULTANCY SERVICES PVT. LTD.

Duration: March 2017 to December 2018

Role: ELECTRICAL DESIGN ENGINEER

Responsibilities:

- Designed electrical systems for diverse projects including base buildings, industrial facilities, commercial buildings, residential projects, University & and commercial complexes.
- Prepared detailed electrical designs for street lighting, load estimation, short circuit calculations, earthing systems, and lightning protection, cable sizing.
- Coordinated with other services for FAPA (Fire Alarm & Public Address), CCTV layouts, and access control systems to ensure integrated MEP solutions.
- Developed technical drawings, specifications, and schematics using AutoCAD and Dialux, ensuring accuracy and compliance with project requirements.
- Collaborated with architects, consultants, and contractors to ensure designs were practical, safe, and aligned with client expectations.
- Ensured adherence to codes and standards, providing solutions optimized for safety, efficiency, and maintainability.
- Preparation of project Clarification & coordinate regarding with Architect/PMC and get solution.
- Through design, ensure projects are in compliance with regional and company standards.

Company: MICRON ELECTRICALS

Role: ELECTRICAL SITE & DRAFTING ENGINEER

Duration: August 2015 to March 2017

Responsibilities:

- Prepared electrical shop drawings as per consultant and architect requirements, ensuring accuracy and compliance with project specifications.
- Developed project schedules and cable schedules, maintaining efficient workflow for ongoing projects.
- Prepared quantity statements for cable trays, earth strips, distribution boards (DB), steel supports, conduits, and wiring measurements.
- Supervised installation of electrical switchgears, panel work, and wiring systems in accordance with approved drawings.
- Monitored work quality and timely completion, ensuring adherence to safety protocols and standards.
- Maintained high safety standards, promoting safe work practices across all site activities.

KEY PROJECTS HANDLED

➤ KAUST – Saudi Arabia

- Role: **Electrical Design & Construction Lead**
- **Projects:**
 1. **Robotics Bay Design and Construction**
 2. **Cyber Security Design and Construction**
 3. **Plant Growth Walk-In Growth Chambers**
- Led Electrical design and construction for high-tech research facilities, including Robotics Lab, Cyber Security Lab, and Plant Growth Chamber Lab. Responsibilities included power distribution, low-voltage systems, fire alarm, access control, and integration with HVAC to support sustainable research operations, ensuring compliance with KAUST and international standards.

➤ KAUST – Saudi Arabia

- Role: **Design & Project Lead**
- **Projects:**
 1. **TGM Upgrade in Nano Fabrication Core Lab**
- Served as Design Lead for electrical, fire alarm, and low-current systems, including the design and integration of an advanced Toxic Gas Monitoring (TGM) system. Developed a life safety system for highly toxic gases used in nano fabrication cleanroom operations, ensuring compliance with international safety standards and KAUST protocols.

2. Coastal Marine Research Decanting

- Acted as Project Lead overseeing design and implementation of a life safety system to protect marine species. Coordinated multidisciplinary teams to deliver the project within budget and schedule, ensuring full compliance with environmental and safety standards.

➤ **KAUST – Saudi Arabia**

- Role: **Project Lead**

- **Project:**

1. Oxidative Desulfurization (ODS)

- Led the design and execution of a prototype model for Oxidative Desulfurization (ODS), a process for removing sulfur from fuel.
- Directed Electrical & Low Current works and life safety systems, ensuring reliable operation and compliance with international standards.
- Project received major recognition as “ODS – KAUST,” aligning with the United Nations Sustainable Development Goals (SDGs) by contributing to cleaner energy and global sustainability.

2. Cryogenic Carbon Capture

- Provided consultancy support in **material selection** and **electrical/low-current facility design requirements** to enable development of Cryogenic Carbon Capture technology.
- Coordinated with multidisciplinary teams to ensure infrastructure compliance with **sustainability and safety standards**.
- Contributed to the successful development of a **recognized prototype**, now advancing toward industrial-scale application.

➤ **Toxic Gas Monitoring Projects – Saudi Arabia**

- Clients: Saudi Aramco, KACST (King Abdulaziz City for Science and Technology), SABIC, KAUST (King Abdullah University of Science & Technology).
- Worked as **Design Engineer** for toxic gas monitoring systems across critical research and industrial facilities.
- Responsibilities included system design, integration, material selection, and testing/commissioning in compliance with KAUST Standards, NFPA, and international safety codes.

➤ **Key Project Under Electrical Design Consultancy – Bengaluru India**

1. PRESTIGE BETA TECH PARK

2. BAGMANE GOLDSTONE

3. B. AMBEDKAR SCHOOL OF ECONOMICS

- Full-scale electrical design for a commercial IT campus, including power distribution, lighting, and ELV systems.
- Electrical design for a high-rise commercial development with integrated MEP solutions.
- Electrical system design for an institutional project, including load calculations, safety systems, and energy-efficient layouts.

➤ **DELOITTE DIVYASREE TECHNOPOLICIES.**

➤ **HONEYWELL LAB RMZ ECO WORLD.**

➤ **SLEEKLINE MODULAR SOLUTIONS.**

EDUCATION

Bachelor of Engineering (B.E.) – Electrical & Electronics Engineering

Sapthagiri College of Engineering, Bengaluru – Visvesvaraya Technological University (VTU), Belgaum
2015 – *First Class*.

Pre-University (PUC) – Science

Vivekananda PU College, Bengaluru
2011 – *Second Class*.

High School – SSLC

Max Muller Public School, Bengaluru
2009 – *First Class*.

CERTIFICATIONS

- AutoCAD – Advanced Drafting & Design
- KAUST Standards & Specifications

INTERPERSONAL SKILL

- Strong leadership qualities with experience guiding multidisciplinary teams.
- Excellent communication and coordination skills with clients, consultants, and contractors.
- Problem-solving and decision-making under challenging project conditions.
- Adaptability to diverse roles include design, supervision, and project leadership.
- Commitment to continuous learning and knowledge sharing within teams.

PERSONAL DETAILS

- **Date of Birth** : 18th February 1994
- **Language Known** : English, Hindi, Kannada, Urdu, and Tamil
- **Marital Status** : Married
- **Nationality** : Indian

DECLARATION

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

(MOHAMMED HABEEB)