



MOHAMED FAZIL PK

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Electronics and Instrumentation Engineer

Electronics and Instrumentation Engineering graduate with a focus on design and development. Looking for an ideal platform for the fullest use and development of my knowledge with previous internship experience in electronics design, Trouble shooting and routine service maintenance.

EDUCATION

B. Tech Applied Electronics and Instrumentation Engineering --
Calicut University, India (2013 –2017).

Kerala Board of Secondary Education –
ISS Ponnani, India (2010 – 2013).

PROFESSIONAL EXPERIENCE

UPCL Power Corporation Intern - Under Powermech Projects Limited, India

Position: Instrument Technician

- Calibration, Testing and Trouble-shooting of various Pressure, Flow, Level, Temperature transmitters.
- Installation, calibration and maintenance of various Control valves.
- Assisted in the preparation and modification of P&IDs.
- Configuration of field instruments using 475 HART communicator
- Participated in routine service maintenance tasks.
- Participated in the development of project schedule and other project services such as planning & progress reporting.
- Adherence to all safety, quality, company rules and regulations

ACADEMIC PROJECTS

PLC Based Reverse Air Bag House System at MALABAR CEMENTS Ltd, Walayar.

- The system helped to increase the productivity and accuracy at MCL
- By using Reverse air bag house the pollution in the cement industry can be reduced effectively and economically. Not only pollution can be controlled effectively but also the materials that are collected can also be reused. Using PLC the cost effective automation system can be adopted and it is very user friendly for the operators or control engineers.

Battery Charger Using SCR.

- The principle behind the circuit lies in controlling the switching of an SCR based on the charging and discharging of the battery. Here the SCR acts as a rectifier as well as a switch to allow the rectified DC voltage to be fed to charge the battery. In case the battery gets fully charged, this situation is detected using a comparator circuit and SCR is turned off.
- It is a portable circuit and can be carried anywhere.
- It can be used as an automatic battery charger, used specially during driving.

Design and Implementation of Mobility Aid for Blind People

- A simple, cheap, configurable. Easy to handle electronic guidance system is proposed to provide constructive assistant and support for blind and visually impaired persons. The notification of any obstacle is delivered through voice messages which are sensor specific. The message properly and avoid any inconvenience while walking.

TECHNICAL SKILLS & RELEVANT COURSES

- **Certified Course in Instrumentation & Electronics Practical Training**
- Team player in National level Technical Fest conducted by Instrumentation department
- MS Office
- Basics of Mat Lab
- Basics of Lab VIEW
- Basics of VHDL
- Basics of PLC Programming
- Basics of PCB Designing

LANGUAGES KNOWN

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|-----------|-------|-------------|-------|
| ▪ English | ●●●●● | ▪ Arabic | ●●●○○ |
| ▪ Hindi | ●●●●○ | ▪ Malayalam | ●●●●● |

PERSONAL PROFILE

- D.O.B: 30 /01 /1994
- Marital status: Single
- Nationality: Indian
- Passport No: V3981594