

## **MOHAMMED ASLAM K A**

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### **CARRIER OBJECTIVE**

To work for an organization where there is an opportunity to exhibit my strengths and knowledge, while striving for the growth and development of the organization.

### **EDUCATIONAL QUALIFICATION**

<b>DEGREE</b>	<b>INSTITUTION</b>	<b>COURSE</b>	<b>UNIVERSITY</b>	<b>YEAR</b>	<b>%/CGPA</b>
M.TECH	SRM UNIVERSITY, KATANKULATHUR CHENNAI	ELECTRONICS AND CONTROL ENGINEERING	SRM UNIVERSITY	2014-2016	9.01
B.TECH	MES COLLEGE OF ENGINEERING, KUTTIPPURAM	APPLIED ELECTRONICS AND INSTRUMENTATION	UNIVERSITY OF CALICUT	2009-2013	7.13
SSCE	KENDRIYA VIDYALAYA AFS AKKULAM, KERALA	BIOLOGY- MATHS	CBSE	2008-2009	73.6
SSC	KENDRIYA VIDYALAYA AFS AKKULAM, KERALA		CBSE	2006-2007	78.4

### **PROFESSIONAL EXPERIENCE**

**Organization : Walrus Marine and Engineering co pvt. Ltd.  
Cochin, KERALA. INDIA**  
**Duration : April 2014 to October 2014**  
**Designation : TRAINEE ENGINEER**

## **TECHNICAL SKILLS**

- **PLC & DCS** - Programming languages such as **LD(Ladder Diagram) & FBD (Functional Block Diagram)**
- **Hands on Practical exposure** in brands as **Siemens, AB, ABB, Rockwell, Keyence, Omron.**
- **SCADA** - Screen designing, PC & PLC interface
- **HMI** - Screen designing, PLC interface, DCS interface
- **VFD** - Commissioning and Troubleshooting
- **Pneumatics & Field Instruments** ( Control Valve, Sensors, Level Transmitters, Flow Transmitters, Temperature Transmitters, Pressure Switches)
- Knowledge in Panel wiring
- Knowledge in **PID**(Proportional Integral Derivative)
- Control Panel (Power wiring & Control wiring)
- Simulation software's **MATLAB, LabVIEW, COMSOL Multiphysics.**
- Microprocessor 8085/86
- Microcontrollers-8051, PIC microcontroller(PIC16F84,PIC16F877)
- Basic knowledge in ARDUINO UNO board and software.

## **ACADEMIC PROJECTS**

### ***M.Tech***

- Mini Project – “*The energy efficient home automation system using adriuno*”, here, using the method of integrating adriuno board with its respective adriuno software, the relay and transistor for automatic home energy management was proposed.
- Final Project – “*Human body based Micro Thermoelectric Generator*”, is a Energy Harvesting technique for power generation from Human body temperature. The design and simulation of Micro Thermoelectric Generator (micro TEG) was done using COMSOL MULTIPHYSICS software.

### ***B.Tech***

- Mini Project – “*Automatic Irrigation System*”
- Final Project – “*Electrode Intrusive Flow Meter*”, The flow meter measures the flow rate of a conducting fluid with the help of a simple electrode bridge placed in the flow path

## **TRAINING & WORKSHOPS ATTENDED**

- Attended workshop on **CONTROL VALVE** organized by **ISA** South India Section, Chennai.
- Attended 2 days Training program on **VEHICLE DIAGNOSTIC SYSTEMS** conducted by **Bosch Local Training** Centre, Ernakulam.
- Attended one day Training program on **Energy Efficiency and Energy Management in Industries** at Walco Solutions, Kochi hosted by **Kerala State Productivity Council**.

## **INDUSTRIAL EXPOSURE**

- Underwent an In-Plant Training at **BHARAT PETROLEUM CORPORATION LIMITED**-Kochi Refinery, Ernakulum, where we were given training on their different units like Vacuum Distillation Unit (VDU), Fluid Catalytic Cracking Unit (FCC), and Diesel Hydrodesulphurization Unit (DHDS).
- Attended an In-Plant Training at **FLUID CONTROL AND RESEARCH INSTITUTE**, Palakkad, Kerala, where we were taught about different calibrations and testing of fluid flow meters and also about the different labs like Water Flow Lab, Oil Flow Lab, Electro technical Lab, Air Flow Lab and their Physical Standards Lab.
- Underwent an In-Plant Training at **KELTRON ELECTRO CERAMICS LIMITED**, Malappuram, Kerala, where we were exposed to how different types of ICs are fabricated , mainly capacitors.

## **PERSONAL PROFILE**

NAME	:	MOHAMMED ASLAM K A
DATE OF BIRTH	:	22 <sup>TH</sup> SEPTEMBER, 1990
RELIGION	:	ISLAM
LANGUAGES	:	ENGLISH,HINDI, MALAYALAM, TAMIL
HOBBIES	:	ATHELETICS, BATMINTON, SWIMMING, TRAVELLING

## **DECLARATION**

I hereby declare that the above mentioned details are true to the best of my knowledge.



(MOHAMMED ASLAM K A)