

Ashwa Suganth

Mechatronics Engineer

To work in an inspiring and challenging environment where I can apply my knowledge to various real time projects in industry and contribute my worth towards better future in the organization.



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EDUCATION

Bachelor of Engineering

Bannari Amman Institute Of Technology

06/2018 - 05/2021

Erode, Tamil Nadu, India

Courses

- Mechatronics

Diploma

Swamy Abhedhanandha Polytechnic College

05/2016 - 05/2018

Tiruvannamalai, Tamil Nadu, India

Courses

- Electronics(Robotics)

WORK EXPERIENCE

Graduate Apprentice Trainee(Quality Control)

Bharat Electronics Limited

02/2022 - 02/2023

Bangalore, India

Aerospace and Defence Electronics

Responsibilities

- Inspecting PCBs as per AS9100 rev d Standards.
- Collecting PCBs from Inward Goods stores in accordance with the SAP GR created.
- Inspecting PCBs by SAP's (Qm module) part drawings and part lists.
- Any disparities were discovered, and concerns were resolved in collaboration with associated departments such as Purchase, Development, and Engineering (D&E).
- Sending printed circuit boards to the testing department for electrical inspection.
- Based on test findings, Usage Decisions of PCB in SAP and PCB return to Raw Material Storage Location (RMSL) stores should be made.
- Maintaining the state of PCBs in MS Office Excel.
- Apart from Inspection gathering Documents based on Vendors (whether Foreign or Local) for Customer Offering to the Central Quality Assurance Establishment (CQAE).
- Interacting with other departments such as procurement, production control, design and engineering, testing and determining the status of issues, and reporting to executives.
- Learning new job-related skills, and instructing new trainees.

SKILLS

ERP tool - SAP (QM module)

Basic knowledge on Autocad, Solidworks, Matlab

Knowledge in MS Office (Word, Excel and Powerpoint)

Ability to learn and understand new things

Easily interact with peoples

Fast learner

PROJECTS

Obstacle avoidance robot

- It detects the obstacle from the pathway and it avoids that and reaches the final location. I am the team head of this project. We completed this project within 30 days with 6 members in a batch during my Diploma studies.

Automatic pet feeder

- It has a DS3231 RTC (Real Time Clock) Module, which used to set time and date on which your pet should be given food. ... So, by setting up the time according to your pet's eating schedule, the device drop or fill the food bowl automatically. I am the project assembler of this project. We did this project within 6 months with a batch of 3 members in my Bachelor of Engineering.

Smart irrigation system

- The Smart Irrigation System is an IoT based device which is capable of automating the irrigation process by analyzing the moisture of soil and the climate condition (like raining). Even i worker as a project assembler for this project. We completed this within 6 months with 3 members in a batch during my Engineering.

Solar panel based Day/Night battery charger

- This project is designed to provide the solution for this power loss day and night. This project is designed with LDR, amplifier, ADC, infrared, microcontroller, driver circuit along with dc motor and limit switches. I am be a project assembler for this project and this is my final year project and we completed this project within 2 months with a batch of 3.

LANGUAGES

English

Professional Working Proficiency

Tamil

Native or Bilingual Proficiency

Telugu

Native or Bilingual Proficiency

Kannada

Limited Working Proficiency

Malayalam

Limited Working Proficiency

VISA STATUS

Tourist Visa