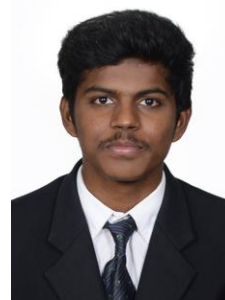


NAME : MOHAMMED YOUSUF O.S
USN : 16E636
DEGREE : Bachelor of Engineering
BRANCH : Electrical and Electronics Engineering (Sandwich)
COLLEGE : PSG College of Technology, Coimbatore



Father's Name : Shakeel Ahmed O.S
Gender : Male
Date of Birth : 26th February 1998
Languages : English, Tamil, Hindi
E-mail : yousufotkani98@gmail.com
Contact Number : +91-9092153844

Permanent Address
46/46, Erthangal Hakeem Street,
Pernambut,
Vellore (Dt.) – 635810,
Tamilnadu

ACADEMIC RECORD

Course	Institution	Board/University	Completion By	Marks (%)
BE	PSG College of Technology	Anna University	2021	7.94*
XII	RDB Matriculation Higher Secondary School, Tanjore	Tamilnadu Board of Secondary Education	2016	93.75
X	Islamiah Higher Secondary School, Pernambut, Vellore	Tamilnadu Board of Higher Secondary Education	2014	99

* - Marks (%) up to 7th semester

Semester	I	II	III	IV	V	VI	VII
CGPA/10	7.61	7.67	7.62	7.72	7.83	7.94	7.94

AREA OF INTEREST

Compositing and Modelling

Robotics and Automation

SKILL SET

Languages	C
Platforms	Windows, Linux(Ubuntu)
Tools	MATLAB, ROS, Blender, Nuke Studio(Basics), Adobe After Effects

INTERNSHIP DETAILS

Name of the Industry	Duration	Area of Exposure
Katomaran Technologies and Business Solutions, Coimbatore	12 weeks	Design of Autonomous Navigation Robot using ROS

TRAINING DETAILS

Name of the Industry	Duration	Area of Exposure
PSG Industrial Institute, Coimbatore.	72 weeks	Manufacturing, Assembly and Testing of Induction Motors and Submersible Pumps
Thoothukudi Thermal Power Station, Tuticorin	1 Week	Study of Thermal Power Generation Process, Transmission and Distribution

PROJECT DETAILS

AUTONOMOUS NAVIGATION OF ROBOT USING ROS

Description: The project is to navigate a differential drive robot autonomously in a dynamic environment, which has the destination point. Data from LIDAR, Stereo camera, IMU, and Wheel encoders are used with **Adaptive Monte Carlo Localisation** (AMCL) algorithm for the robot's localisation. **Dijkstra's Algorithm** is used for planning the shortest path, avoiding obstacles.

CO-CURRICULAR ACTIVITIES

- **Mini Projects**
 1. Monitoring the Electrical Parameters of a Transformer using ACS712 Current Sensor and ZMPT101B voltage sensor and updating to a database
 2. Feature Extraction from Images using TensorFlow Object Detection API
 3. Remote Control of a Variable Frequency Drive (VFD) with ESP8266 Wi-Fi Module
- **Workshop**
 1. Touch and Augmented Reality
 2. Introduction to AutoDesk Fusion 360
- **One Credit Course**
 1. Multi-Core Technology
 2. 1D Model Based System Design for Control System Application

EXTRA-CURRICULAR ACTIVITIES

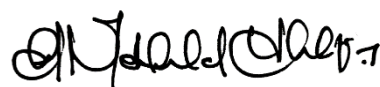
- **3D Modelling, Texturing and Rigging** in Blender 2.8
- Completed an **Adobe After Effects Introduction** course in **Udemy**
- Completed an **Nuke Studio Introduction** course in **PluralSight**
- Completed **Yellow Belt** in **Lean Six Sigma** via **Udemy**
- **Head of Circuit and Magazine Team** in **Electrical and Electronics Engineering Association**
- Serving as a **Team Member** in **Public Relations Team** in **THE BRIDGE, Chronicles of PSG College of Technology**
- **Convenor** of the Technical Event **TechnoQuiz** in **Molecules 2K19**

HOBBIES

- Doodling
- Graphic Designing

DECLARATION

I, Mohammed Yousuf O S, do hereby declare that the information given above is true to the best of my knowledge.



(MOHAMMED YOUSUF O.S)