



PSG College of Technology

Govt. Aided Autonomous College affiliated to Anna University of Technology, Coimbatore
Approved by AICTE and ISO 9001:2000 Certified
Established in 1951 (A Unit of PSG & Sons' Charities)

Dr. B. Vinod

Professor and Head

Department of Robotics and Automation Engineering

Peelamedu, Coimbatore - 641004. Phone : 91 422 2572177, 2572477, 4344777
Fax : 91 422 2573833, 91 422 4344477

hod.rae@psgtech.ac.in http://www.psgtech.edu

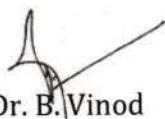
LETTER OF RECOMMENDATION

It proffers me immense delight to write this letter of recommendation for one of our most remarkable student, Mr.Thiyanayugi Mariraj. I have been opportune enough to have him work on varied research papers and projects under my guidance while teaching him modules like Computer Numerical Control (CNC) Machines and Industrial Robotics and Material Handling Systems. He impressed me hugely in no time, with his invincible intellectual capabilities, his supreme ability to translate his understanding of the concepts to actual working models, and his talent for imparting his best knowledge to others. I'm very well confident that Thiyanayugi will excel in his field in the future and will be able to attain his very goals.

One of the projects he undertook was 'Smart Home Garden Monitoring System using IoT' in Product Design and Development Paper. Owing to his strong logical capabilities, he used various sensors effectively in order to detect pressure, temperature, humidity, and moisture to finally send values to the internet through the ESP32 module. While I was awestruck by his excellent performance in the project, I was even happier when he presented a seminar on the topic 'Adaptive Grippers' successfully in the Industrial Robotics and Material Handling Systems Paper.

Thiyanayugi is distinguished for his dedication and commitment to his studies. With his impressive analytical abilities, he often takes the initiative to solve complex problems. He showcased the same attitude while working on the project, 'Development of Robotic arm on an Omnidirectional Base' in his 7th semester. He developed a mobile robot on a four-wheeled wooden chassis. The fact that dazzled me was how he used Mecanum wheels to reduce the turn ratio of the vehicle and successfully mounted a five-axis robotic arm actuated by stepper motors. I evaluated the system by approving that it could handle a payload of 1kg. His profound methodical approach facilitated him to focus on the details of the project, and due to his out-of-the-box performance, he got appreciation and words of praise from higher management.

Thiyanayugi has been a core member of Artificial Intelligence and Robotics Club which helped him expand his technical acumen. He has been a curious student who always makes the classroom livelier with his creativity & enthusiasm. His adaptable attitude made him one of the most sought-after team members, as his classmates know that he will be a great asset to them. I'm unquestionably sure that he will continue to showcase the same attitude, perseverance, and hard work that he has shown me; I highly recommend him to your university.



Dr. B. Vinod

Dr. B. Vinod
Head In-charge
Department of Robotics &
Automation Engineering
PSG College of Technology
Coimbatore - 641 004.