

## Department of Mechanical Engineering

राष्ट्रीय प्रौद्योगिकी संस्थान कलिकट

National Institute of Technology Calicut

एन.आई.टी. कॉम्पस (पी.ओ.), कलिकट, केरल-673 601, भारत ♦ NIT Campus (P.O.), Calicut, Kerala-673 601, India

Phone: 0495 2286401

Fax: 0495 2287250

E-mail me@nitc.ac.in

Website: www.nitc.ac.in

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### **LETTER OF RECOMMENDATION**

It gives me immense pleasure to recommend Mr. Poola Rohith for the IPTIF Agni fellowship 2021. I have been acquainted with him since the year 2019 as an associate professor in the Mechanical Engineering Department, Final year project guide and faculty in-charge of Robotics Interest Group at National Institute of Technology Calicut. I have handled the course Mechine drawing in his 3<sup>rd</sup> semester and also taught the elective courses Control System Engineering in his 5<sup>th</sup> semester and Introduction to Robotics in his 6<sup>th</sup> Semester.

Academically he has shown excellence in all my courses. He exhibited a very different thought process and I was impressed by his approach to the subject. He displayed remarkable analytical skills at various instances. His assignment-solutions and answer sheets conveyed me his sense of understanding about the subject and his efforts towards these were impressive. He is very persistent and hard-working and these traits of him are reflected in his grades, putting him among the top 10 percentile of all students whom I taught.

He has been working as a research member under my supervision as a part of the Robotics interest group, an interdisciplinary research group on Robotics. He is the team leader of the project Automation of Manipulator which he has been significantly contributing towards since his first year vacation. He is also the technical coordinator for the group. From his contribution to the group, he is a very determined and dedicated worker with great problem solving and analytical skills and has developed his research skills in the area of robotics during this period.


He also participated in Young Innovators Programme 2019, organized by K-Disc for the project Multi-functional Crutch, where he showed exceptional performance and won in the assist technologies sector. He was also a part of Robocon 2020, a continent wide robotics competition and contributed his best and helped the team to score 100/100 points for solution idea and CAD design, which shows his interest and inquisitiveness towards innovations in engineering. He demonstrated excellent leadership and team handling skills while leading the projects.

Rohith has been an active member in the group with good communication skills observed while presenting project reviews. He has been part of multiple robotics exhibitions and conducted sessions in the Pre Tathva workshop for first years. He is very transparent and has given proper guidance to juniors during his tenure at the Robotic Interest group.

Personally, I am confident that with the level of effort and dedication that he puts in, he will contribute significantly towards any project he takes up. I am confident that he will make the most out of the money allotted to him and use it to develop an exceptional technology with great scope. I think the Robot based automation for vertical farming is a project with great

research scope in the area of industrial revolution 4.0 and even higher social impact. So, I strongly recommend him for the Agni fellowship.

**Yours sincerely,**

A handwritten signature in blue ink, appearing to read 'Sudheer', with a stylized flourish extending from the end.

Dr. Sudheer .A. P,  
Associate Professor,  
Mechanical Engineering & Mechatronics (Robotics lab in-charge),  
National Institute of Technology Calicut  
**Contact no:** +914952286420  
**Email:** [apsudheer@nitc.ac.in](mailto:apsudheer@nitc.ac.in)