

July 22, 2019.

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that, **Sudarshan Sharma** (Roll No. 15EC32005), a student of Indian Institute of Technology Kharagpur has been a part of Kharagpur Robosoccer Students' Group, a research group dedicated to building soccer playing robots conforming to different leagues, since March 2016 under the guidance of following -

- Prof. Alok Kanti Deb, Dept. of Electrical Engineering
- Prof. Jayanta Mukhopadhyay, Dept. of Computer Science and Engineering
- Prof. Sudeshna Sarkar, Dept. of Computer Science and Engineering
- Prof. Dilip Kumar Pratihar, Dept. of Mechanical Engineering

He works in the field of **Embedded Electronics and Control** with a significant contribution towards the Development of Control systems and architecture for SSL Robots. His contribution has helped the team immensely. A few of the notable achievements of the group include International participation in the Federation of International RoboSoccer Association(FIRA): MiroSot, SimuroSot Leagues and RoboCup : Small Size League, 3D Simulation League with a **Bronze Medal** in MiroSot league in FIRA 2015 held in South Korea. The group has also participated in RoboCup SSL and 3D Simulation league in Nagoya, Japan in 2017, and went on to bag **Silver Medal** in the Goalie Challenge of 3D Simulation League in RoboCup 2018, Canada. KRSSG has been organising a national level Artificial Intelligence strategy coding event, Code-O-Soccer. The group has been involved in year round development of robots for other leagues as well.



**Student Coordinator**  
**Kharagpur Robosoccer Students' Group**



**Prof. Alok Kanti Deb**  
**Dept. of Electrical Engineering**

**Dr. Alok Kanti Deb**  
**Associate Professor**  
**Dept. of Electrical Engineering**  
**I.I.T. Kharagpur - 721302**