Date: 31st May 2019



To whomsoever it might concern

CERTIFICATE

This is to certify that Uthiralakshmi S (119005122), pursuing Final Year B. Tech Electrical and Electronics Engineering from SASTRA DEEMED UNIVERSITY, THANJAVUR, TAMIL NADU, INDIA has successfully completed the project, entitled "Predicting object dynamics from image sequences: a precursor to autonomous object manipulation" done as a part of Internship in a research project looking at Intelligent Robot Manipulation approaches at Lincoln Centre for Autonomous Systems, University of Lincoln, Lincoln, United Kingdom from 1st January 2019 to 31st May.

In the course of project, she has learned various concepts of Neural networks and Machine learning. She has learned and applied concepts of ROS framework. She has worked with Gazebo and Vrep simulation environments for manipulating a robot to perform pushing and grasping actions. She has worked on training neural networks to predict image sequences. She was very hardworking, enthusiastic and dedicated towards the work.

Hay

Harit Pandya Research Fellow Lincoln Centre for Autonomous Systems University of Lincoln Lincoln LN6 7TS United Kingdom



School of Computer Science University of Lincoln Brayford Pool Lincoln Lincolnshire