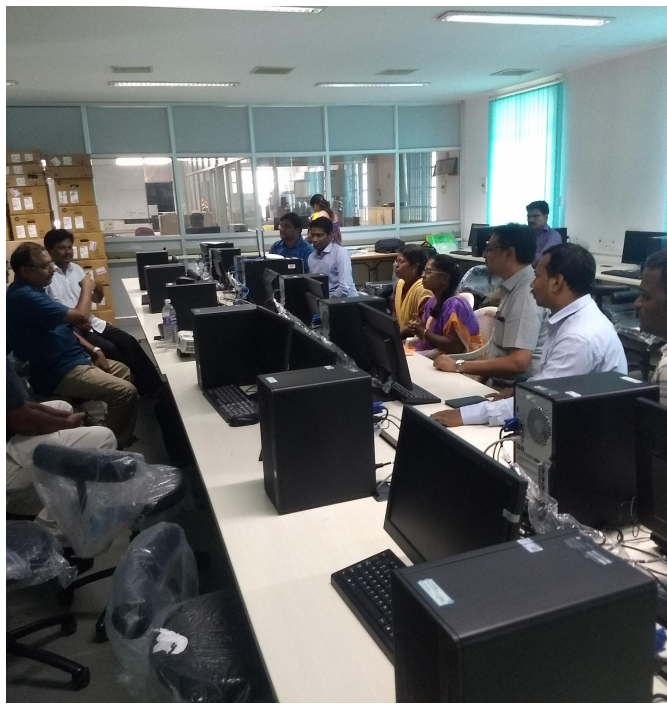




THIAGARAJAR COLLEGE OF ENGINEERING

CENTRE FOR ROBOTICS

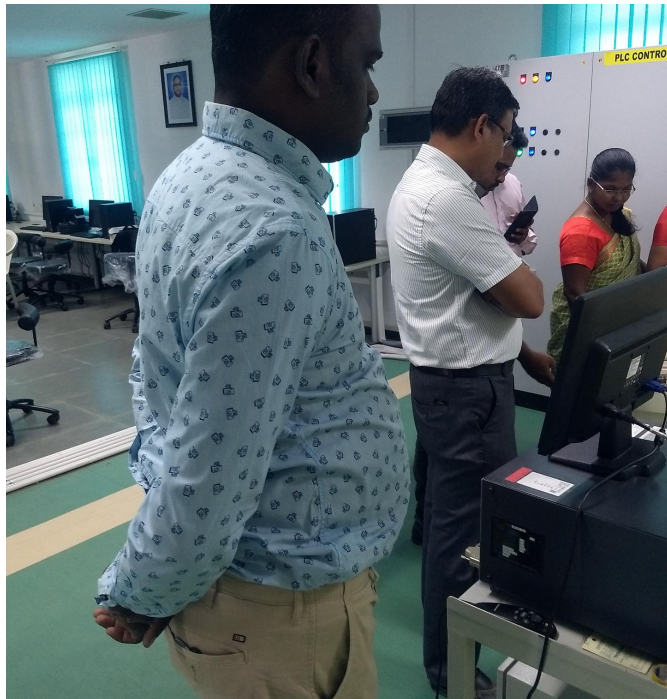


# ABOUT LAB

The Robotics lab is one of the significant labs in the Department of Mechatronics Engineering established in the year 2016. Later, developed into Centre for Robotics inaugurated by Dr G Satheesh Reddy, Scientific Advisor to Raksha Mantri, Chairman DRDO on March 22nd 2019. The software and the hardware present in the lab is of state of art kind which supports academics, research and consultancy projects in Robotics and Automation

# FACILITIES

- YASKAWA MOTOMAN GP12 Robot with YRC1000 Controller
- YASKAWA MOTOMAN MH5LS Robot with FS 100 Controller
- Qbot2 Mobile Robots with Kinect
- Panasonic Vision System
- YASKAWA VFD - V1000/A1000
- SIEMENS PLC - S71200
- SIEMENS Servo Drive - V90 series
- SIEMENS HMI - KTP 700
- Softwares like MOTOSIM, ROBODK, MOTOPLUS, 20SIM



# CAPABILITIES

- Assembly
- Deburring
- Palletizing
- Inspection using Image Processing
- PLC Programming
- Modelling and Simulation of Robotic Systems
- Development of Human Machine Interface
- Algorithm development for Ground Mobile Robots



For more Information

Visit: <https://www.tce.edu/dept/mect/lab>

For inquiries call 7598493800

or email [ganeshma2015@tce.edu](mailto:ganeshma2015@tce.edu)