



St. Joseph's Institute of Technology
St. Joseph's Group of Institutions
OMR, Chennai - 119



Department of Electronics and Communication Engineering
(Accredited by NBA)

CENTRE FOR EXCELLENCE

Centre for Robotics and Automation is established in collaboration with the CDCE Automation that also acts as MSME authorized Nodal Centre and Centre of Excellence for IoT and Wireless Sensor Networks in collaboration with Pantech Prolabs India Pvt. Ltd. which serve as the arenas where budding engineers develop and design their own ideas as projects useful to the society.

CENTRE FOR ROBOTICS AND AUTOMATION

CDCE AUTOMATION

Total Area of the Lab: 300 Sq.m

Cost of Establishment: Rs.26,86,000 (Twenty Six Eighty Six Thousand Rupees)

The Centre of Excellence for factory Automation and Robot was established through Memorandum of Understanding signed on 07th October 2015 between Our College and CDCE represented by **Mr.J.Rajasekar**, Managing Director,CDCE, Chennai.

The inauguration of Centre of Excellence for “Factory Automation and Robotics” in association with CDCE Automation in our college premises on 20th January 2016. The inaugural function was chaired by our Chairman, **Dr.B.BABU MANOHARAN, M.A, M.B.A,Ph.D**, the chief Guest **Mr.R.PANNERSELVAM**, Principal Director, MSME-Technology Development Centre, Government of India and presided over by Principal **Dr.P.Ravichandran**, M.Tech, Ph.D.

Name of the Lab	Facility available in Lab for Project	Key Outcomes
Centre for Robotics and Automation	LVDT Trainer Kit, Load Cell Trainer Kit, Sensors and Control Kit, PLC & HMI Trainer Kit, Servo Motor Trainer Kit, VFD Trainer Kit	Design of Intelligence for IRONMAN with Speech to Text Conversion based Answering System
		Fool Proof Centralized Voting Machine Using Automation Systems

Inauguration of Centre for Excellence – Robotics and Automation



CENTRE OF EXCELLENCE FOR IOT AND WIRELESS SENSOR NETWORKS

PANTECH PROLABS INDIA PVT. LTD.

Total Area of the Lab : 50 Sq.m

Cost of Establishment: Rs.20,00,000 (Twenty Lakhs Rupees)

The Center of Excellence for Internet of Things (IoT) was established through Memorandum of Understanding signed on 03rd June 2016 between Our College and Pantech ProLabs, represented by **Mr.M.Maliappan**, Managing Director, Pantech ProLabs to explore the development of technologies, improve capabilities of common interest and engage in Industrial Research initiatives pertaining to the Internet of Things (IoT), Wireless Sensor Networks, VLSI and Specialization in Embedded Domain.

Name of the Lab	Facility available in Lab for Project	Key Outcomes
Centre of Excellence for IoT and Wireless Sensor Networks	Node MCU, ESP 8266 Wifi Module, Arduino Uno, Raspberry Pi 3, Interface & Relay Boards Different Sensors, WSN Device, HP 280 G2MT	Smart Kitchen with inventory managing and monitoring using IoT (IEEE Student Project Funding)
		Smart Bag (INAE Youth Conclave Award)
		Versatile Insole Monitoring (TSCST Award)