

FDP-123	INTERNET OF THINGS (IoT)	03.12.2018 to 07.12.2018
<p>OBJECTIVES:</p> <ul style="list-style-type: none"> ➤ Understand the rudiments of IoT ➤ Learn the features of Raspberry Pi board ➤ Configure Wireless Protocols WiFi, Zigbee, Bluetooth, Lora WAN ➤ Familiarise coding structures in Python Programming ➤ Interface different sensors with Raspberry Pi ➤ Connect Raspberry Pi to a remote access client ➤ Configure Raspberry Pi for Web Services ➤ Perform Cloud Server Experiments <p>PARTICIPANTS:</p> <p>Engineering and Polytechnic College Teachers and Research Scholars of Electrical, Electronics & Communication, Computer Science and Instrumentation disciplines.</p> <p>INPUT:</p> <p>Introduction to IoT – IoT Anatomy – IoT Network – Introduction to Raspberry Pi – Basics of C and Python Programming – Accessing Pi’s GPIO using C and Python – Interfacing with Pi’s GPIO – Sensor Interfacing – Setting up Pi to be accessed remotely – Configuring Raspberry Pi for Web services – Wireless Application – Siemens IoT 2040 – Cloud Server Experiments.</p> <p>PROCESS:</p> <ul style="list-style-type: none"> ➤ Lecture ➤ Demonstration ➤ Hands-on sessions <p>OUTPUT:</p> <p>The teachers will be able to develop IoT based applications using Raspberry Pi.</p> <p>RESOURCE PERSONS:</p> <ul style="list-style-type: none"> ➤ Dr. P. Sivasankar ➤ Guest Faculty 		
COORDINATOR	VENUE	LAST DATE FOR RECEIPT OF APPLICATIONS
Dr. G.A. Rathy	NITTTR, Chennai	15 days prior to the start of the programme