

Course Name: Internet of Things (IoT) Fundamental	Course Code: ITNT309
pre-requisite: none	Credit Hours: 3
Passing Grade: C	Level Year3 , Advance Diploma
No. Of Theory & Practical Hours (2:2)	
Goal: To explore things and their connection to the IoT	
<p>Course Objectives:</p> <p>Upon completion of this course, the students will be able to:</p> <ol style="list-style-type: none"> 1. Explain the concepts of the things and connections that make up the IoT. 2. To Build sensor / actuator systems using Arduino Microcontroller 3. Create Python Programs to provide functionality to Raspberri Pi. 4. Create an end-to-end IoT system 	
<p>Learning Outcomes:</p> <p>Upon completion of this course, the students will be able to:</p> <ol style="list-style-type: none"> 1. Understand the things and connections that make up the IoT. 2. Build sensor/actuator systems using the Arduino microcontroller 3. Develop programs in Python that provide IoT functionality to the Raspberry Pi 4. Explain the use of Cloud and Fog Technology in an IoT system 5. Understand the IoT systems that can solve global problems 6. Design and Build an IoT prototype 	