

<b>M. Sc (Information Technology)</b>		<b>Semester – IV</b>	
<b>Course Name: Advanced IoT Practical</b>		<b>Course Code: PSIT4P2c</b>	
<b>Periods per week (1 Period is 60 minutes)</b>		4	
<b>Credits</b>		2	
		<b>Hours</b>	<b>Marks</b>
<b>Evaluation System</b>	<b>Practical Examination</b>	2	50
	<b>Internal</b>	--	--

<b>List of Practical:</b>	
1.	Loading Raspbian and Windows IoT Core on Raspberry Pi and executing applications on it using Python and node.js.
2.	Create a home automation system and control the devices remotely.
3.	Create the programs using the Microsoft Cognitive APIs for IoT.
4.	Create blockchain on Raspberry Pi and implement and test it. Authenticate IoT with blockchain.
5.	Implement Microservices on IoT device.
6.	Build your own IoT platform.
7.	Use IoT device with AWS.
8.	Send telemetry from a device to an IoT hub and read it with a service application.
9.	Use the Azure CLI and Azure portal to configure IoT Hub message routing.
10.	Face Detection using IoT device. (Pi Camera or anything else).