

**GOVT. POLYTECHNIC, HAMIRPUR (H.P.)**

**Practical Planning**

**Branch:** Computer Engineering

**Subject:** Internet Of Things

**Teacher:** Ritesh Avasthi

**Semester:** 6<sup>th</sup>

**Session:** Jan-May 2024

**Laboratory:** Yes

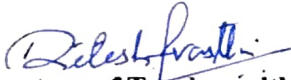
Sr. No.	No of Practical hours planned	Aim of the Practical	Reference for Procedure/ Writeup	Remarks
1	06	To setup development environment for Raspberry Pi or Arduino	R1, R2,R3	
2	06	To understand the logical board layout of Raspberry Pi or Arduino	R1, R2,R3	
3	06	To interface basic sensors and actuators with development board	R1, R2,R3	
4	10	To interface various communication modules (Bluetooth, WiFi) with development board	R1, R2,R3	
5	12	To design a project using sensors, actuators, communication modules (at least one each), draw the circuit diagram and prepare the list of required parts	R1, R2,R3	
6	16	To develop, test and implement the designed project	R1, R2,R3	

**References:**

R1: Lab Manual

R2: <https://www.electronicsforu.com>

R3: <https://create.arduino.cc>

  
**Signature of Teacher with Date**  
27/01/2024

  
**Signature of HOD**