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| **S.NO** | **DAYS** | **SYLLABUS** |
|  | **Basic electronics & Software installations** | 1. Introduction to electronics.  * Current * Voltage * Amp * Resistor * Diodes * Gates * DC and AC current * VCC (5V , 3.3V) , Ground   2. Basic Electronic components.   * Basic Soldering Components (Zero PCB) * LED * Switch * Resistor * Motors * Motor Driver * batteries (+,-) * voltage regulator * sensors (Analogue , Digital , GND) * Arduino Uno * ESP 8266 Node MCU * Raspberry Pi   3. Introduction to Arduino  a) Arduino Uno  b) Esp 8266 Node MCU.  4. Installation of Arduino IDLE.  5. Installation of Board Libraries |
|  | **Microcontrollers and Coding** | 1. Basic Coding introduction to Arduino 2. Program Structure 3. Serial Monitor |
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