**Student Circular Date07/01/2019**

**Branch: - Information Technology**

**Class- T.E. Sem. - VI**

**Subject: - Sensor Network Lab**

**Schedule for Mini Project activity 2018-19**

**Batch: - I1**

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| **Sr. No.** | **Activity** | **Planned Date of the Activity** | **Actual Date of the Activity** |
| 1 | 1. Students group formation as per guidelines.  2. To study different WSN open source simulators like Contiki Cooja, Cupcarbon, MSPsim) | 07/01/2019 |  |
| 2 | 1. Literature survey for different application using different types of sensors for Mini-Project  2. Installation of Contiki Cooja. | 14/01/2019 |  |
| 3 | 1. Problem Statement  2. Identify software and Hardware for problem statement.  3. Basic programs of cooja (Hello\_world) | 21/01/2019 |  |
| 4 | 1. Design of circuit board using multiple sensors.  2. To Simulate Broadcasting, RPL and LED on cooja | 04/02/2019 |  |
| 5 | 1. Design of circuit board using multiple sensors.  2. Installation of cupcarbon and Run basic Hello\_World Program using cupcarbon | 11/02/2019 |  |
| 6 | To write a program for blinking LED using cupcarbon and run it on Arudino | 18/02/2019 |  |
| 7 | Write a program for communication between two or more sensors using cupcarbon and run it on Arudino | 25/02/2019 |  |
| 8 | 1. Old IoT Lab Project to be connected with website/Apps using wireless devices (Bluetooth/Zigbee/Wifi etc.) using PHP/Python etc.  2. Write a program to broadcast a data using cupcarbon | 11/03/2019 |  |
| 9 | 1. Old IoT Lab Project to be connected with website/Apps using wireless devices (Bluetooth/Zigbee/Wifi etc.) using PHP/Python etc.  2. To simulate a environment with the help of mobility sensor and marker in cupcarbon to detect the intruder in system | 18/03/2019 |  |
| 10 | 1. Old IoT Lab Project to be connected with website/Apps using wireless devices (Bluetooth/Zigbee/Wifi etc.) using PHP/Python etc.  2. Advance Programming in Cooja and Cupcarbon  2.1 Write a program to implement DLPCN algorithm in cupcarbon  2.2 To create a different environment for COAP Protocol | 25/03/2019 |  |
| 11 | 1. Old IoT Lab Project to be connected with website/Apps using wireless devices (Bluetooth/Zigbee/Wifi etc.) using PHP/Python etc.  2. **Advance Programming in Cooja and Cupcarbon**  2.1. Write a program to implement DLPCN algorithm in cupcarbon.  2.2 To create a different environment for COAP Protocol | 01/04/2019 |  |
| 12 | Final Demo  Report Submission | 08/04/2019 |  |