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| Experiment  number | Experiment Objective | page | Experiment Date |
| 1. | Start Raspberry Pi and try various Linix commands in command terminal  window: | 9-21 | 4/9/2021 |
| 2. | Run some python programs | 22-27 | 7/9/2021 |
| 3. | Simple single LED interfacing with Arduino uno with delay of one second. Basic interface for monitoring purpose | 28-30 | 14/9/2021 |
| 4. | Ultrasonic Sensor interfacing | 31-34 | 18/9/2021 |
| 5. | Soil moisture sensor interfacing | 35-37 | 21/9/2021 |
| 6. | PIR sensor | 38-40 | 25/9/2021 |
| 7. | Temp and humidity sensor. | 41-43 | 28/9/2021 |
| 8. | PIR with LDR sensor | 44-48 | 5/10/2021 |
| 9. | Introduction of Raspberry pi | 49-50 | 12/10/2021 |
| 10. | MQTT protocol in Python | 51-59 | 16/10/2021 |
| 11. | * Create a circuit using Raspberry Pi, DHT11 and  Buzzer. When the temperature goes beyond 35  degrees, the buzzer will start ringing. | 60-61 | 19/10/2021 |
| 12. | Design a system using Raspberry Pi where you can monitor Soil Moisture of a plant. Send a screenshot of code, connections, and output. | 62-63 | 30/10/2021 |
| 13. | PIR Motion Sensor Interfacing with Raspberry Pi using Python. | 64-65 | 13/11/2021 |