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| **Part A** |
| **Class B Tech CSE 4th Year Sub: Internet of Things Lab** |
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| **Prerequisite:** Basics of programming, microcontrollers and basic electronics |
| **Outcome:**   1. Understanding of IoT Cloud and various service providers. 2. Creating things and converting them into smart things over IoT Cloud. 3. Connect and control smart things with the Arduino IoT Cloud. 4. Display the data of various sensors over the Arduino IoT Cloud dashboard |
| **Theory:**   1. **Study IoT cloud service providers, such as Arduino IoT Cloud, AWS, Microsoft Azure IoT, Blynk, etc.** 2. **LED is on/off using the Arduino IoT Cloud platform.** 3. **Display data of the DHT sensor over the Arduino IoT Cloud Dashboard.** 4. **Display a humidity and temperature chart over the Arduino IoT Cloud Dashboard.** |
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| **Part B (Write for an individual)** |
| **Steps:** Write the procedure and process here. |
| **Output:** Paste the circuit diagram and other images. Write about the Things, Devices, Dashboard, and Sketch. |
| **Observation & Learning:** Give your observation and learning about the experiment. |
| **Conclusion:** Give your conclusion for the experiment. |