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**PROJECT OBJECTIVES**

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| --- | --- |
| DATE | 17-11-2022 |
| TEAM ID | PNT2022TMID34035 |
| PROJECT NAME | Smart form |
| MAXIMUM MARK | 4 mark |

**By the end of this project you will:**

* Gain knowledge of Watson IoT Platform.
* Connecting IoT devices to the Watson IoT platform and exchanging the sensor data.
* Explore python client libraries of Watson IoT Platform.
* Gain knowledge on IBM Cloudant DB
* Configuring APIs using Node-RED for communicating with a mobile application.
* Creating a Mobile Application through which the user interacts with the IoT device.

**Project flow**

* The parameters like temperature, humidity, and soil moisture are updated to the Watson IoT platform
* The device will subscribe to the commands from the mobile application and control the motors accordingly
* APIs are developed using Node-RED service for communicating with Mobile Application
* A mobile application is developed using the MIT App inventor to monitor the sensor parameters and control the motors.