Project Objectives:

• Gain knowledge of Watson IoT Platform.

• Connecting IoT devices to the Watson IoT platform and exchanging the sensor data. Gain knowledge on

IBM Cloudant DB

• Explore Python client libraries of Watson IoT Platform.

• Explore Python library for integrating OpenCV for accessing the Live Camera Input Scan the QR code in

Live streaming and retrieve the QR code details Gain knowledge on web application development.

Gain knowledge of storing the data in Cloudant DB Generating QR codes with the required data.

<u>To accomplish this, we have to complete all the activities and tasks listed below:</u>

• Create and configure IBM Cloud Services o Create IBM Watson IoT Platform and Device o Create Node-

RED service

• Develop the Python Script

O Develop the Python Script

• Develop a web Application using Node-RED Service. O Develop the Web application using Node-RED o

Testing the Web UI by giving the required inputs