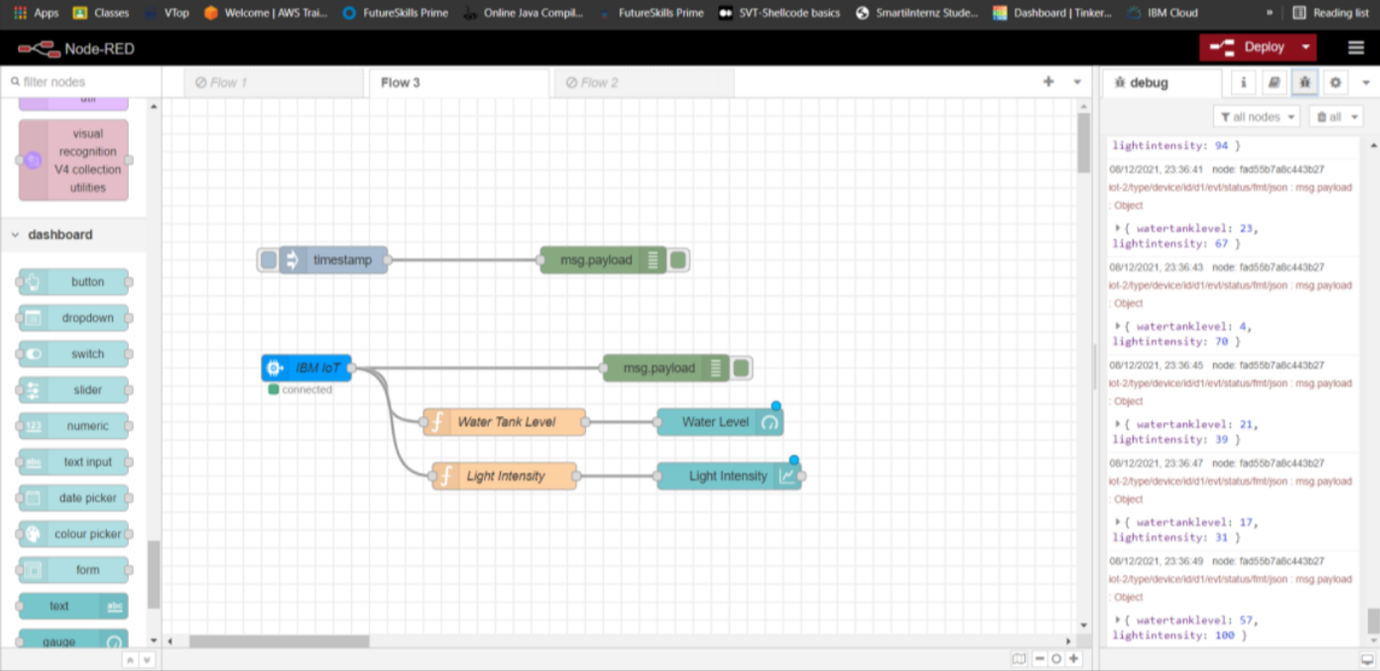
**ASSIGNMENT-3**

Name: Vikram Singh Chauhan

Reg. No: 19BCY10038

Task - Develop a code to upload the water tank level and light intensity values to the IBM IoT platform and visualize them in the web application.

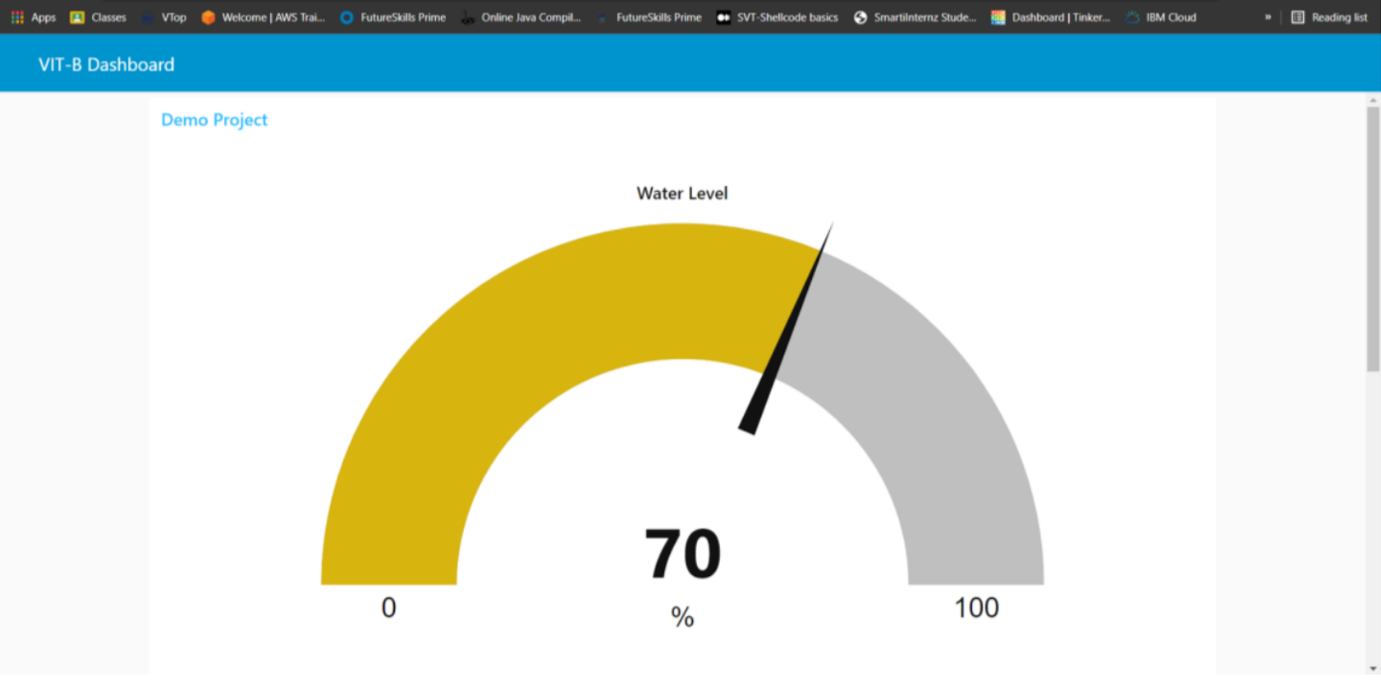
Flow Diagram-



Light Intensity Wave Chart-



Water Level-



Python Code-

|  |
| --- |
| *import* wiotp.sdk.device  *import* time  *import* random  myConfig = {      "identity": {          "orgId": "jb5j3r",          "typeId": "Bikram",          "deviceId": "69420"      },      "auth": {          "token": "8824216749"      }  }  def myCommandCallback(cmd):      print("Message received from IBM IoT Platform: %s" % cmd.data['command'])      m = cmd.data['command']  client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)  client.connect()  *while* True:      tanklv = random.randint(-20, 125)      lightint = random.randint(0, 100)      myData = {'WaterTankLevel': tanklv, 'LightIntensity': lightint}      client.publishEvent(eventId="status", msgFormat="json",                          data=myData, qos=0, onPublish=None)      print("Published data Successfully: %s", myData)      client.commandCallback = myCommandCallback      time.sleep(2)  client.disconnect() |