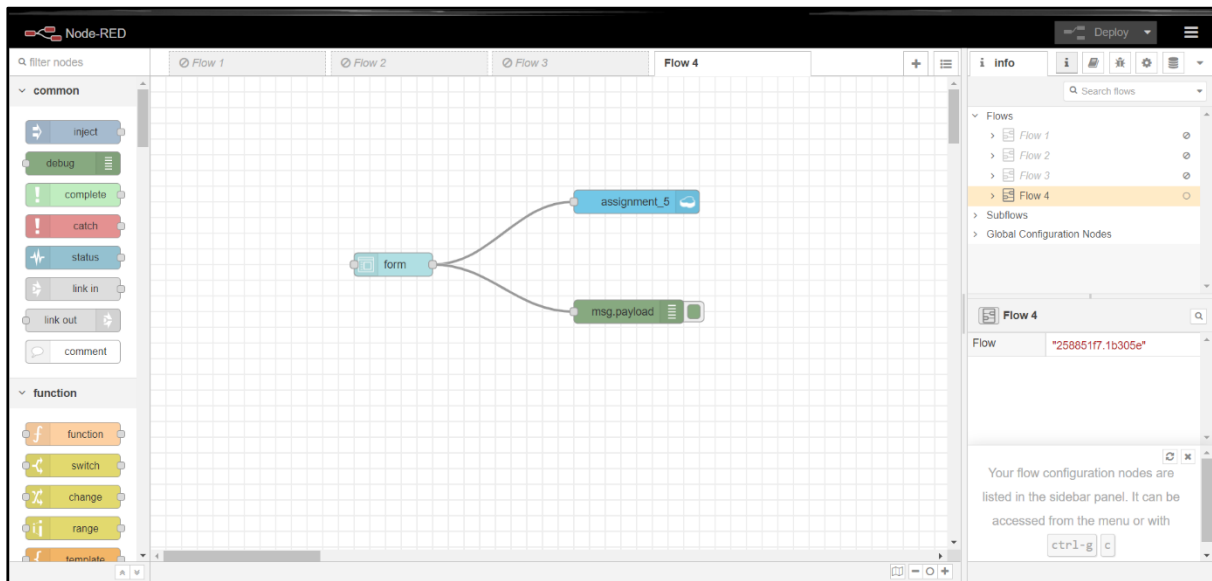


ASSIGNMENT 5

- Create a web dashboard to take user input for scheduling the pump controller (date & time). store the data in the Cloudant DB.

Node-red flow diagram



Node-red UI

The image shows the Node-RED UI for the 'Smarthome Application'. It features a 'Sensor Data' form with two input fields: 'Date*' with the value '16-07-2021' and 'Time*' with the value '03:31 PM'. Below the input fields are two buttons: 'SUBMIT' and 'CANCEL'.

Cloudant Database (assignment_5)

The screenshot displays the Cloudant Database web interface for a database named 'assignment_5'. The left sidebar contains navigation links: All Documents, Query, Permissions, Changes, and Design Documents. The main area shows a document in JSON format. The document has an 'id' of 'ba7ca96c0802cc4ef498c5e1d875736a' and a 'value' field containing a nested object with 'doc' and 'payload' fields. The 'doc' field contains an '_id', '_rev', and 'date'. The 'payload' field contains a 'date' and 'time'.

Document ID: Document ID

Options: Options JSON Log Out

Create Document

id "ba7ca96c0802cc4ef498c5e1d875736a"

```
{
  "id": "ba7ca96c0802cc4ef498c5e1d875736a",
  "key": "ba7ca96c0802cc4ef498c5e1d875736a",
  "value": {
    "rev": "1-2e9ac19e9ca6beb4548a2aaaae8a405f"
  },
  "doc": {
    "_id": "ba7ca96c0802cc4ef498c5e1d875736a",
    "_rev": "1-2e9ac19e9ca6beb4548a2aaaae8a405f",
    "payload": {
      "date": "2021-07-15T10:30:00.000Z",
      "time": "1970-01-01T10:01:00.000Z"
    }
  },
  "socketid": "cgc30faMmHKIYXbAAAC"
}
```

Showing document 1 - 1. Documents per page: 20