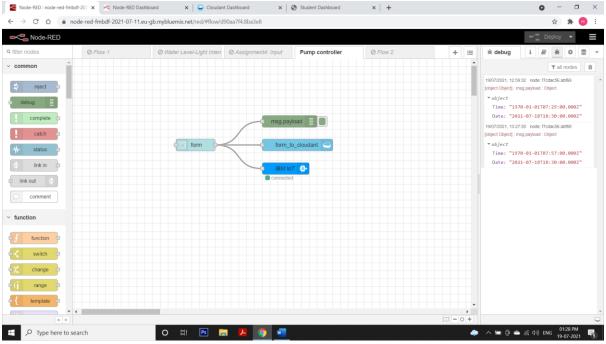
SmartBridge Externship

Name: Harshitha Munagala Registration number: 19BEC0565

<u>Assignment 5:</u> Create a web dashboard to take user input for scheduling the pump controller (date & time). store the data in the Cloudant DB.

you can use Form Nodes in dashboard nodes to take user input.



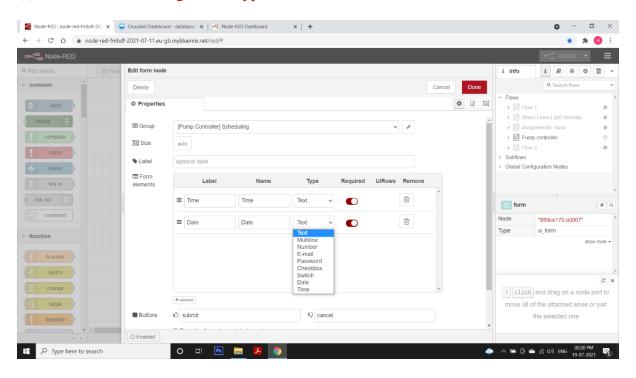
Node-red flow

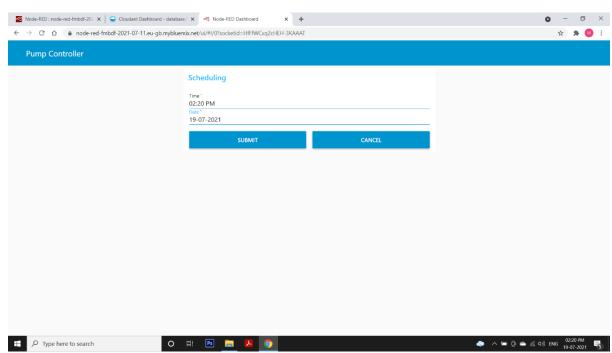
In the Cloudant DB, a new database with the name "form_to_cloudant" will be formed. Any data (data from "Form" dashboard) sent through the above flow after deploying the nodes, will be stored as documents in "form_to_cloudant" database.

User given input "Date" and "Time" can be stored in:

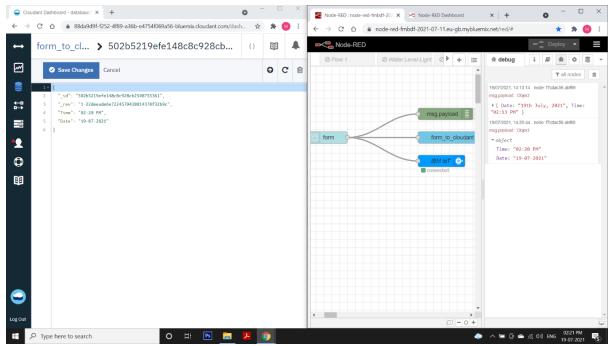
- (1) Format manually typed by the user: <u>Using "Text" type in Form Node</u>
- (2) ISO-8601 format: <u>Using "Time" and "Date" type in Form Node</u>

(1) In Form Node- Using "Text" type:

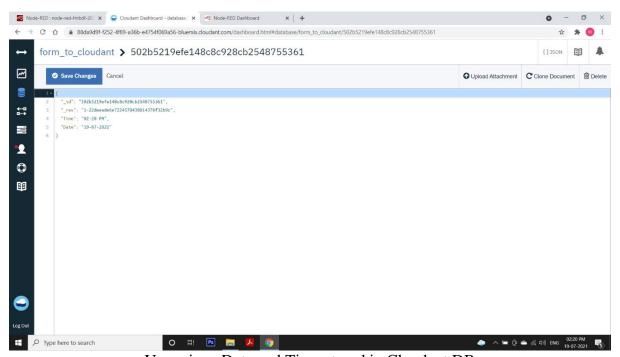




Visualization of manually typed Time and Date using "Text" Type in Form Dashboard

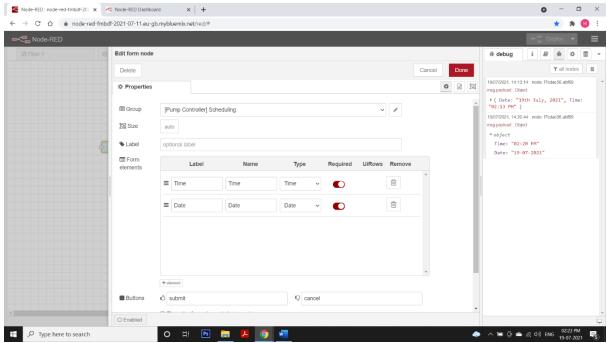


Debug screen of Node-red

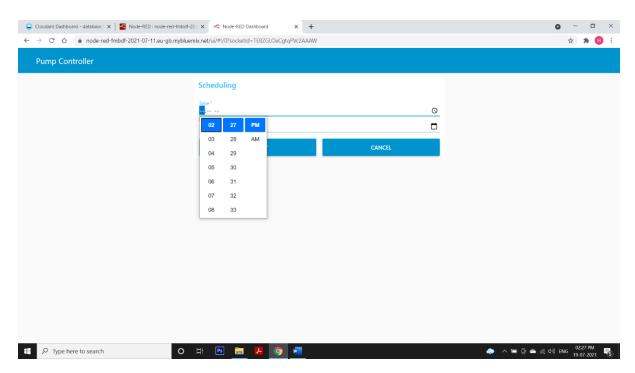


User given Date and Time stored in Cloudant DB

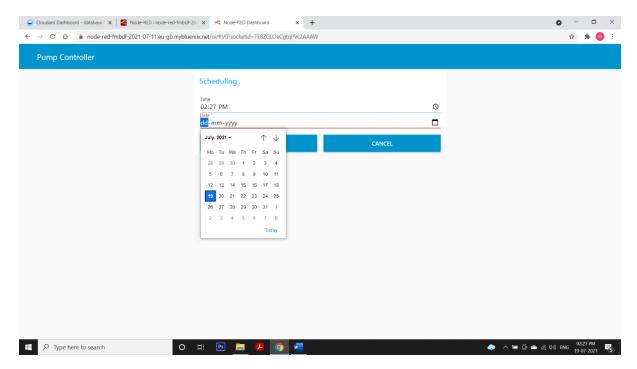
(2) In Form Node- Using "Time" and "Date" type:



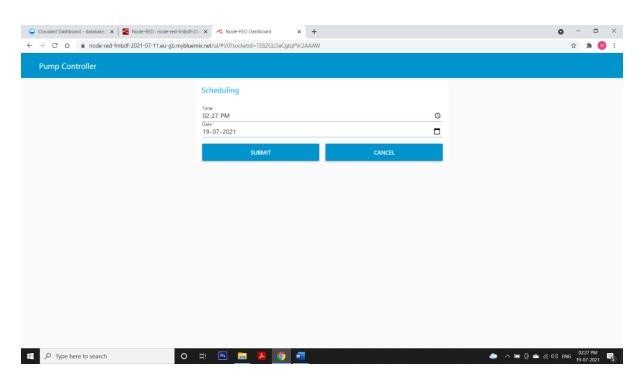
Form node Configuration using "Time" and "Date" type



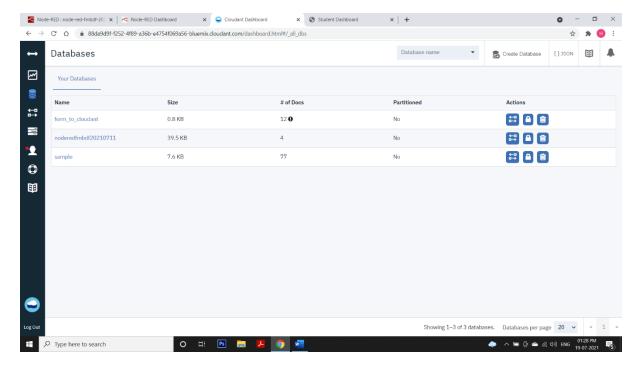
Select Time



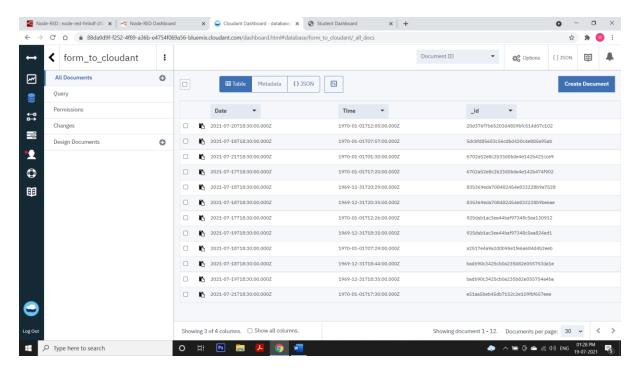
Select Date



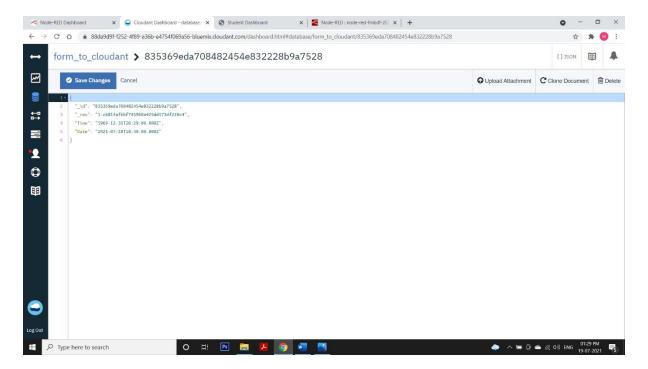
Visualization of Time and Date input provided



Cloudant Databases



Documents stored in "input_to_cloudant" database



A document in "input_to_cloudant" database, storing Date and Time in ISO-8601 format