

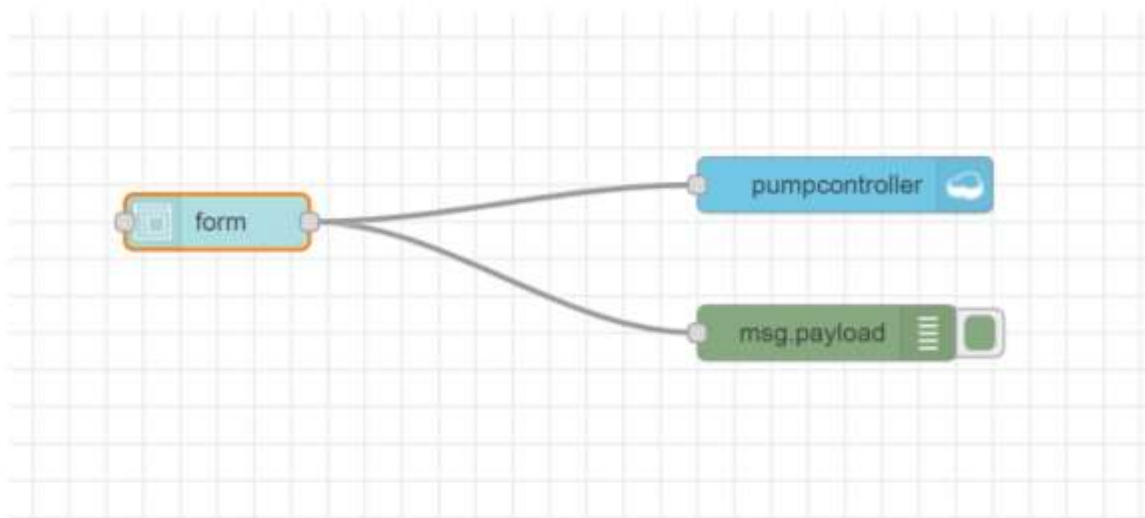
VIT SMART BRIDGE IOT EXTERNSHIP PROGRAM

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Assignment-5:

Node Red Flow:



Form Node:

Edit form node

Delete Cancel Done

Properties

Group [Water Pump] User Input

Size auto

Label optional label

Label	Name	Type	Required	UI Rows	Remove
Date	Date	Text	<input checked="" type="checkbox"/>		
Time	Time	Text	<input checked="" type="checkbox"/>		

☐ Enabled

Connecting Form Node to pumpcontroller (which is cloudant out node) database:

The screenshot shows the 'Edit cloudant out node' configuration window. At the top, there are three buttons: 'Delete', 'Cancel', and 'Done'. Below these is a 'Properties' tab with a settings icon. The configuration fields are as follows:

- Service:** A dropdown menu showing 'node-red-irwge-2021--cloudant-1625828527i'.
- Database:** A text input field containing 'pumpcontroller'.
- Operation:** A dropdown menu showing 'insert'.
- Only store msg.payload object?:** An unchecked checkbox.
- Name:** A text input field containing 'Name'.

At the bottom left, there is an 'Enabled' checkbox which is currently unchecked.

Input(Web UI):

The screenshot shows a web UI form titled 'Water Pump'. It has a 'User Input' section with two input fields: 'Date' and 'Time'. The 'Date' field contains '19-07-2021' and the 'Time' field contains '07:41:11PM'. At the bottom, there are two buttons: 'SUBMIT' and 'CANCEL'.

Output(Receiving data from Web UI):

```
7/19/2021, 7:41:40 PM node: ff9c34ea.79de38  
msg.payload : Object  
  { Date: "19-07-2021", Time:  
    "07:41PM" }
```

Databases:

Databases					Database name	Create Database	[]:JSON		
Your Databases									
Name	Size	# of Docs	Partitioned	Actions					
nucleod@nsgn20210709	47.6 KB	4	No						
pumpcontroller	429 bytes	4	No						
sample	3.0 KB	33	No						

Output(Receiving data from Web UI to Cloudantdb):

pumpcontroller > 4f8f05c48be11ca03a2fe22f41d1599b

☒ Save Changes Cancel

```
1 {  
2   "_id": "4f8f05c48be11ca03a2fe22f41d1599b",  
3   "_rev": "1-e6c7343ecbd72e3951f12b49be00d341",  
4   "payload": {  
5     "Date": "19-07-2021",  
6     "Time": "07:41PM"  
7   },  
8   "socketid": "WrTvF-9FD1XkcBjJAAAQ"  
9 }
```