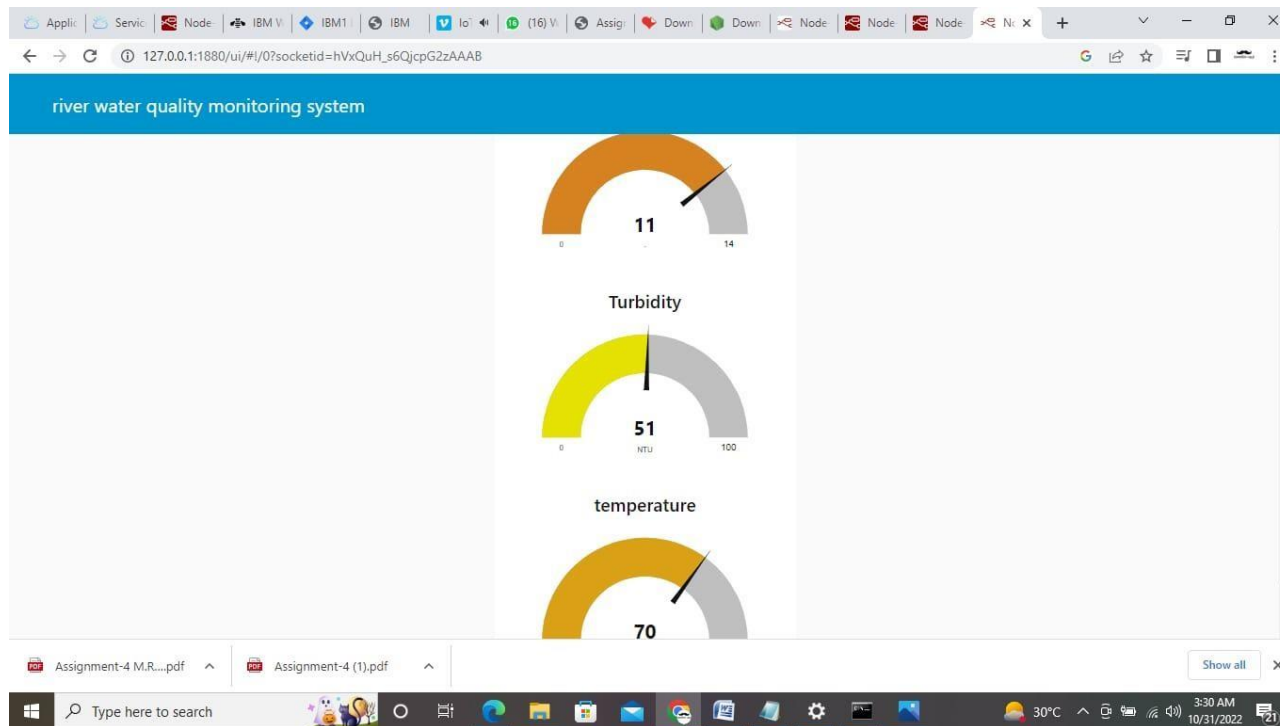


Project Development Phase Sprint-4

Date	17-NOVEMBER 2022
Team ID	PNT2022TMID35688
Project name	IoT Based Real-time River water quality monitoring and control system

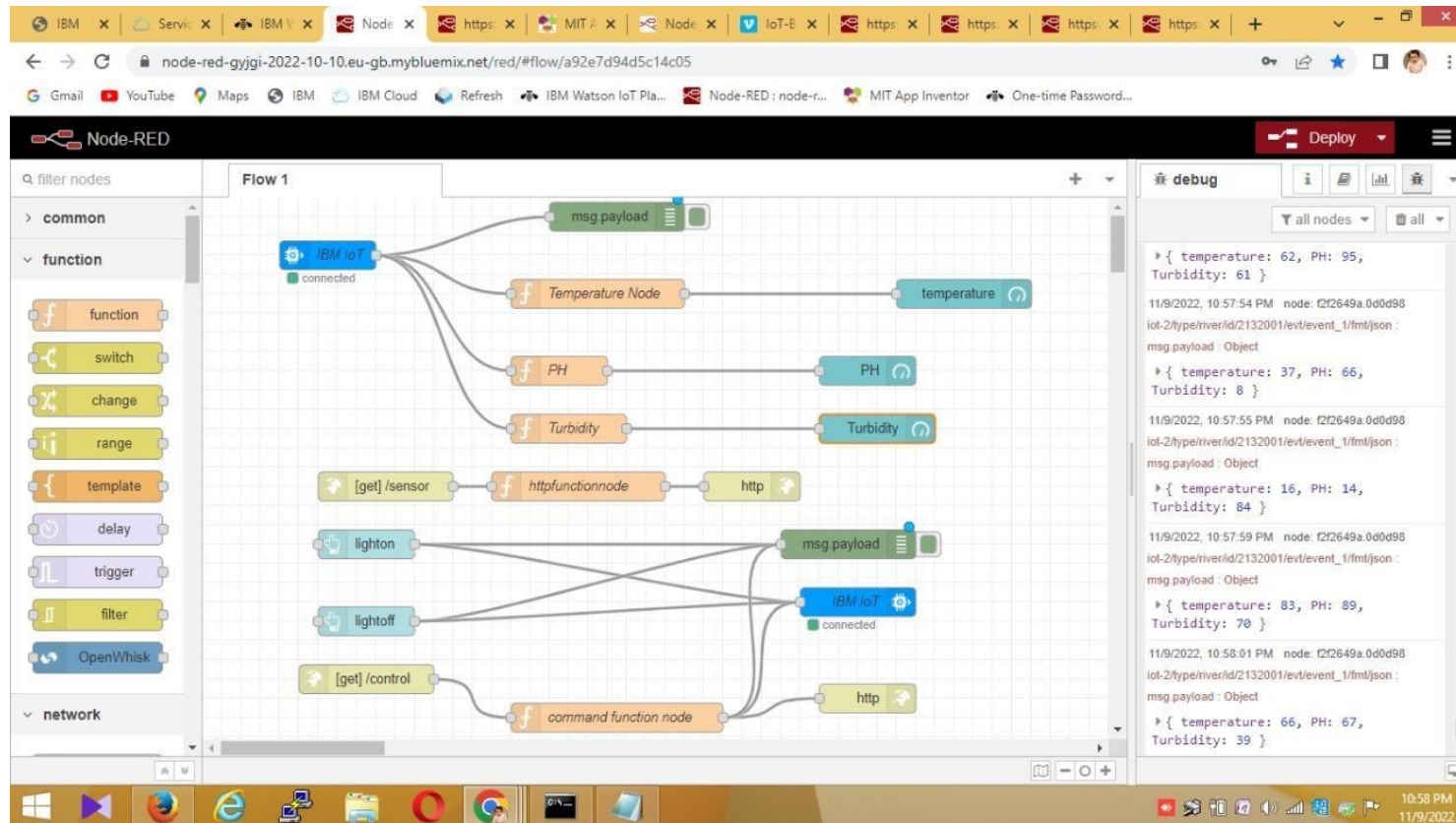
USN-17

As a user, I can create a Web UI.



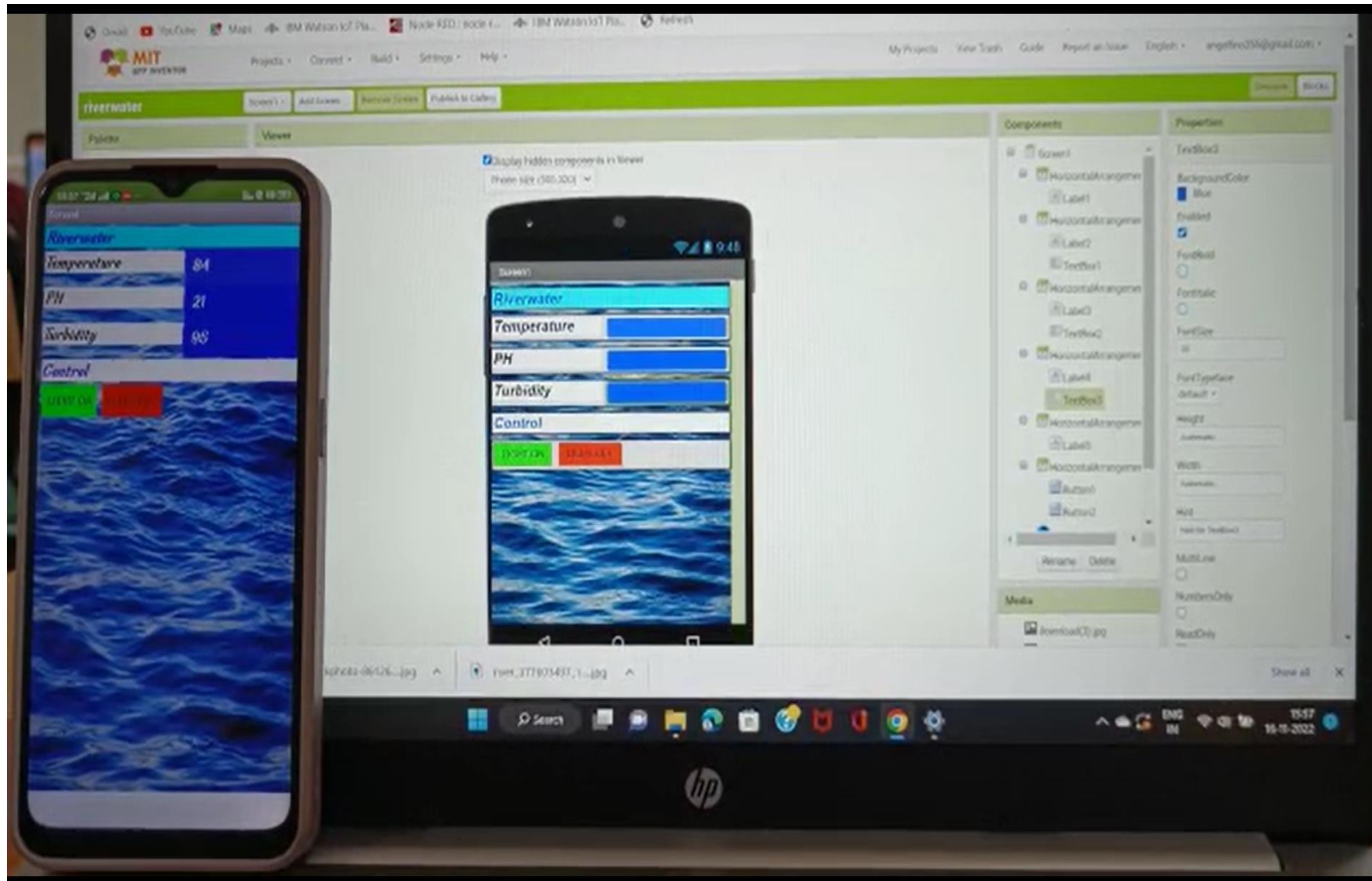
USN-18

As a user, I can check whether I can get the values of the parameters.



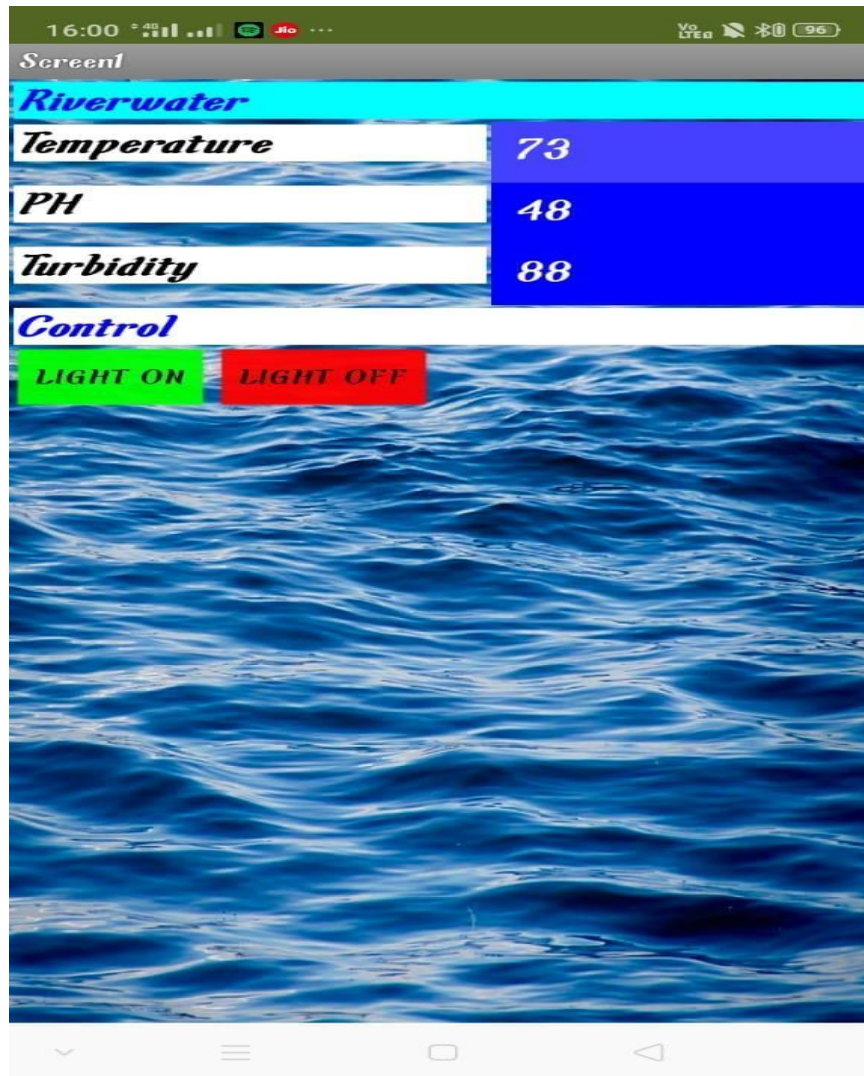
USN-19

As a user, I can connect the Web UI with the mobile application through QR code.



USN-20

As a user , I can get values of the parameters in my mobile application.



USN-21

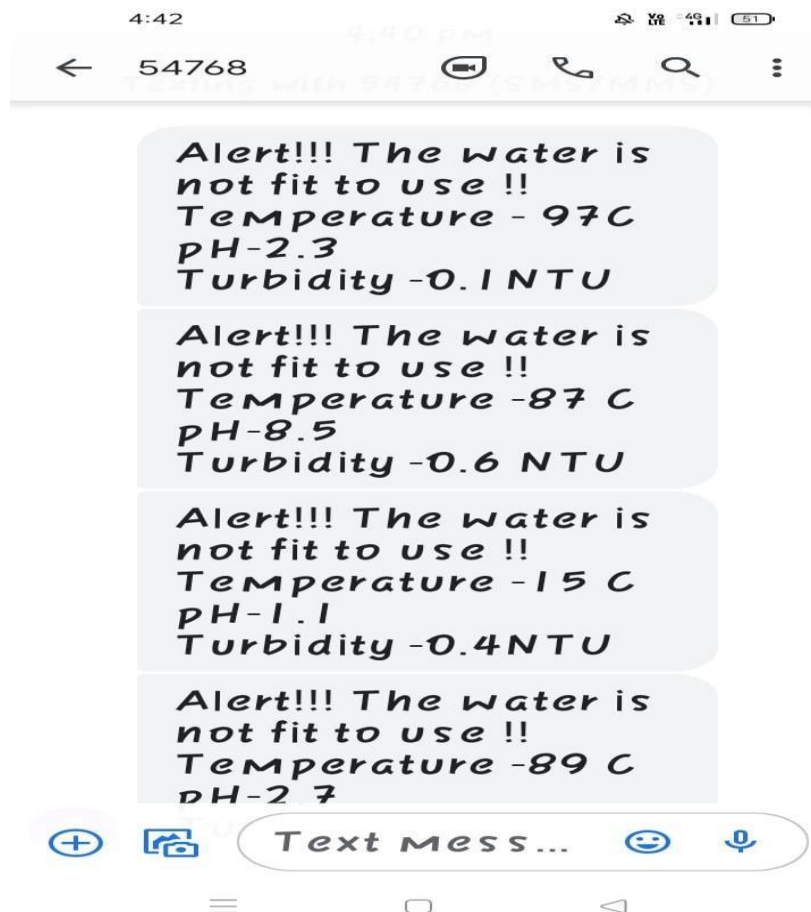
As a user, I can store the values of the parameters in the cloud database.

The screenshot displays the IBM Cloudant dashboard interface. The browser's address bar shows the URL: `3a5b091c-6d3f-4db8-8f8b-3f176712ab89-bluemix.cloudant.com/dashboard.html#database/river/_all_docs`. The left sidebar contains navigation options: All Documents, Query, Permissions, Changes, and Design Documents. The main content area shows a table of documents with columns: `_id`, `payload`, `topic`, `deviceId`, and `deviceType`. The table lists several documents, with the first three having truncated `payload` values and the remaining four containing temperature data. The bottom of the interface shows a taskbar with various application icons and a system clock indicating 12:25 AM on 11/12/2022.

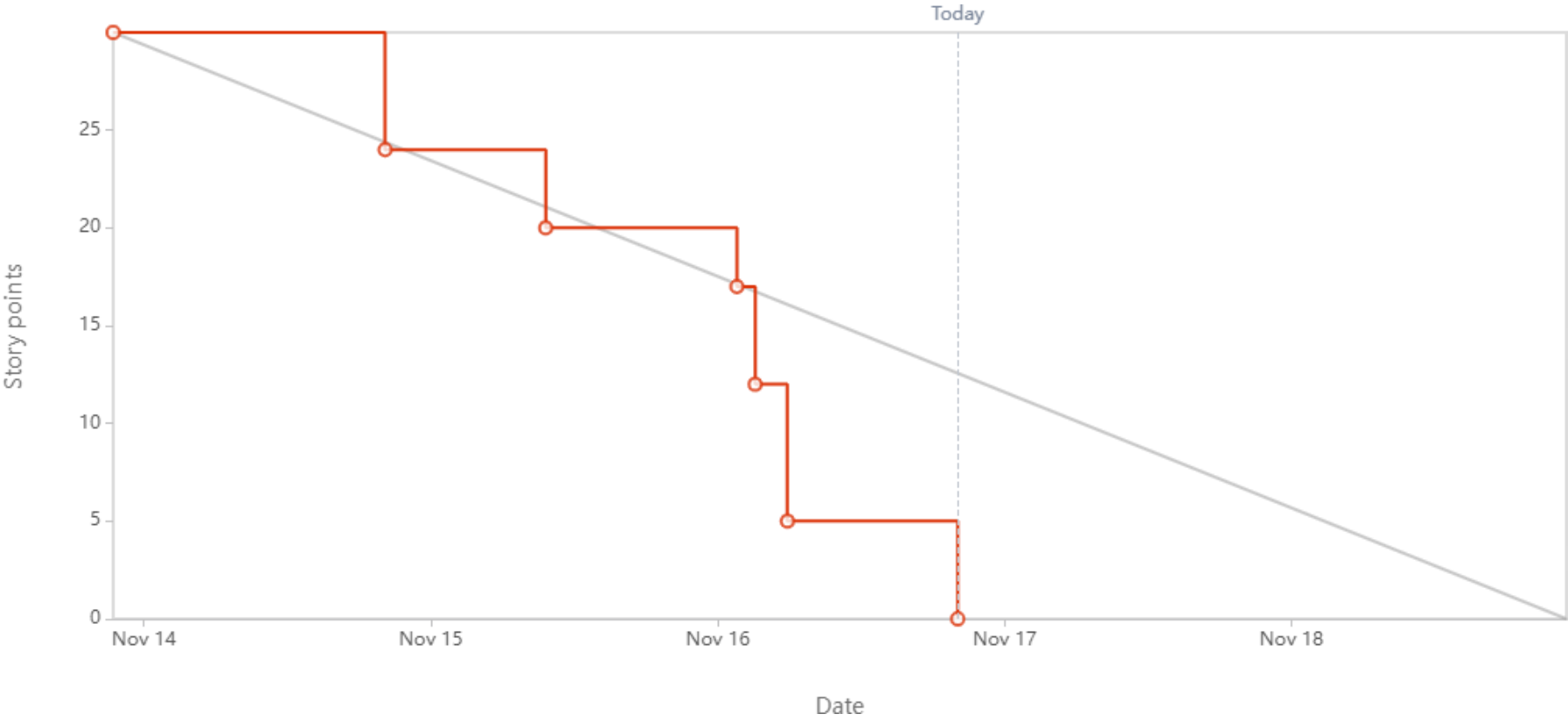
	<code>_id</code>	<code>payload</code>	<code>topic</code>	<code>deviceId</code>	<code>deviceType</code>
<input type="checkbox"/>	0292a4f8d0de2cde...	{ "_id": "39e1fba99a..."			
<input type="checkbox"/>	29b2a6690b37159...	{ "_id": "39e1fba99a..."			
<input type="checkbox"/>	2ebfe802ceee3e7d...	{ "_id": "39e1fba99a..."			
<input type="checkbox"/>	39e1fba99a95ba8e...	{ "temperature": 23, ...	iot-2/type/river/id/2...	2132001	river
<input type="checkbox"/>	39e1fba99a95ba8e...	{ "temperature": 1, "...	iot-2/type/river/id/2...	2132001	river
<input type="checkbox"/>	39e1fba99a95ba8e...	{ "temperature": 33, ...	iot-2/type/river/id/2...	2132001	river
<input type="checkbox"/>	39e1fba99a95ba8e...	{ "temperature": 56, ...	iot-2/type/river/id/2...	2132001	river
<input type="checkbox"/>	39e1fba99a95ba8e...	{ "temperature": 3, "...	iot-2/type/river/id/2...	2132001	river

USN-22

As a user , I can get the accurate values in my mobile application



SPRINT BURNDOWN CHART:



ROAD MAP:

	NOV				NOV						NOV										
	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Sprints	Sprint 3				Sprint 4																
> IBM1-7 Create and configure IBM cloud services (I...																					
> IBM1-8 Create and access Node-Red																					
> IBM1-13 MIT app inventor (Front end design and B...																					
> IBM1-16 Configuring MIT app inventor																					
> IBM1-21 Configuring MIT app inventor																					
> IBM1-24 Create cloudant DB																					
> IBM1-29 Final submission																					

VELOCITY CHART:

