

The IBM logo is displayed in white text on a blue arrow-shaped background, which is part of a larger blue horizontal bar. To the left of this bar is a thick, dark blue vertical bar. In the bottom-left corner, there are several thin, curved, light blue lines that resemble stylized grass or reeds.

SPRINT 3 REPORT

SMARTFARMER – IOT ENABLED
SMART FARMING APPLICATION

TEAM ID – PNT2022TMID34458

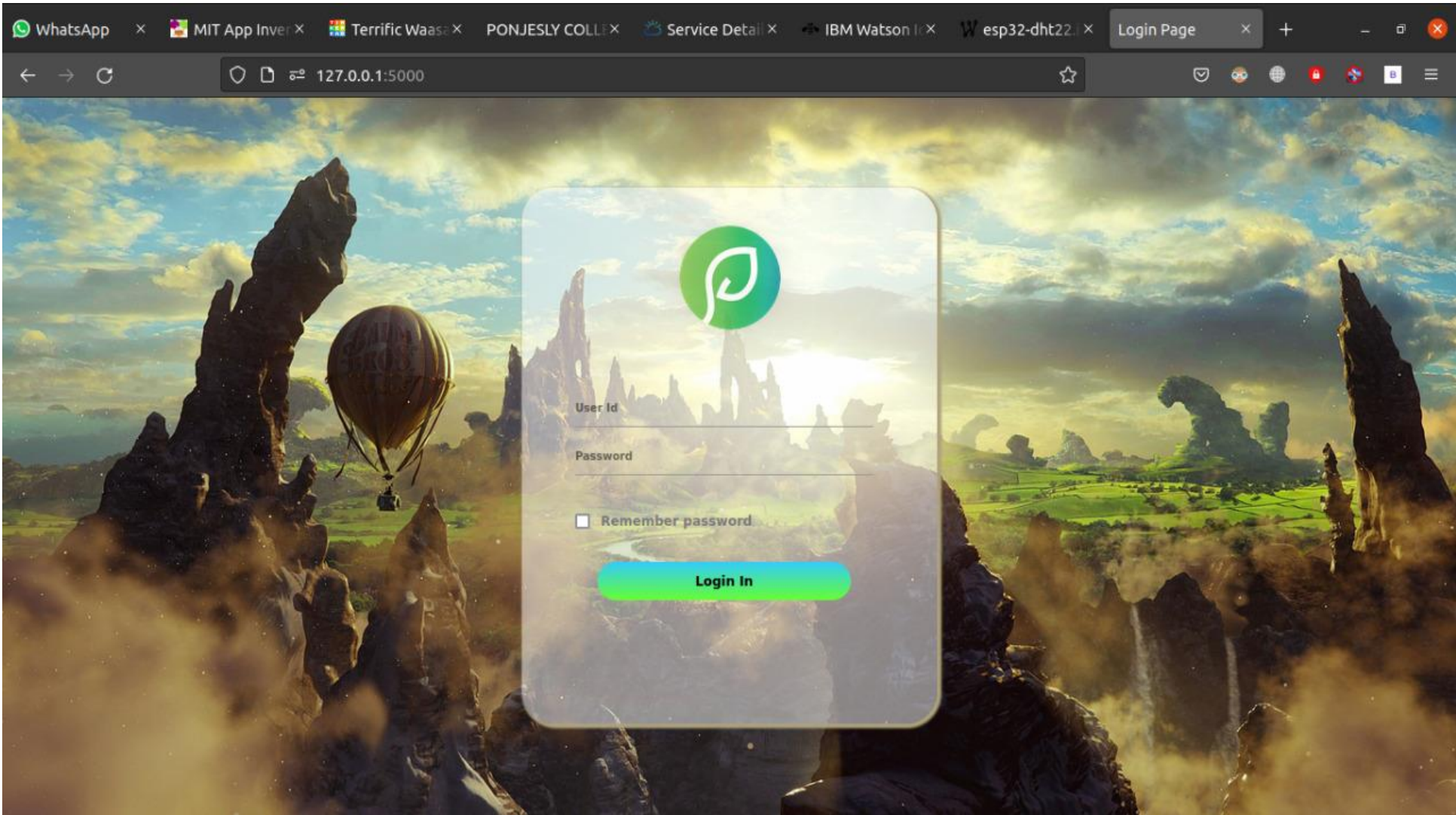
- **TEAM LEADER : MUGESHWARAN G**
- **TEAM MEMBER : ISRAVEL KEWIN CLINT P**
- **TEAM MEMBER : BLESSWIN.K.SAMUEL**
- **TEAM MEMBER : VIJAY S**

Project Tracker

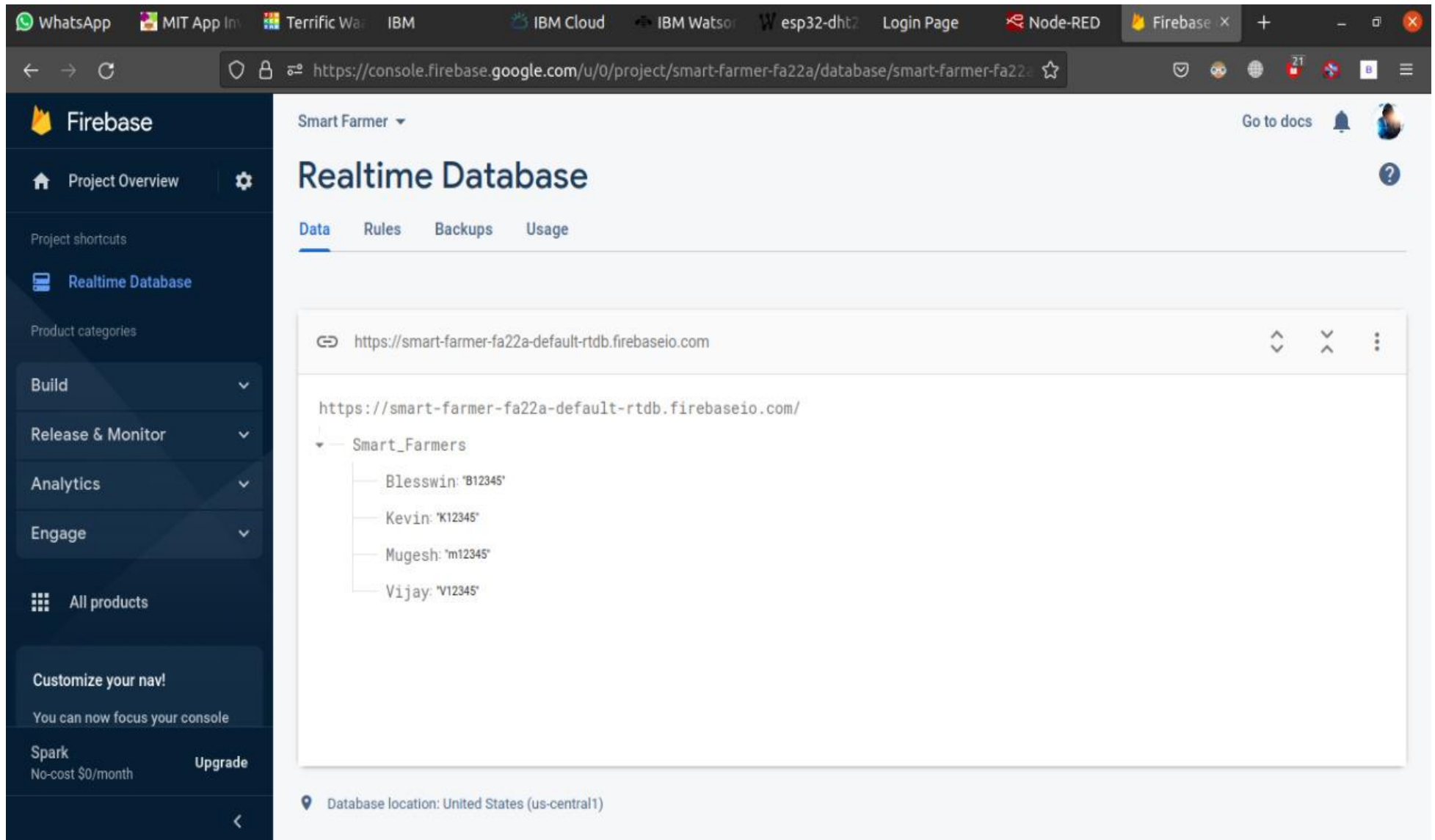
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	15	5 Days	26 Oct 2022	30 Oct 2022		30 Oct 2022
Sprint-2	15	7 Days	31 Oct 2022	06 Nov 2022		07 Nov 2022
Sprint-3	15	6 Days	07 Nov 2022	12 Nov 2022	15	13 Nov 2022
Sprint-4	15	6 Days	13 Nov 2022	18 Nov 2022		18 Nov 2022 – 19 Nov 2022

S.NO	Tools & Technology Used
1	Firebase – Used as a Database for user credentials
2	Node Red – For Creating Web Application
3	Manual Testing– Apps are tested manually

Login Page



Firebase Real-time Database



The screenshot shows the Firebase Realtime Database console for a project named 'Smart Farmer'. The left sidebar contains navigation options: Project Overview, Realtime Database, Build, Release & Monitor, Analytics, Engage, and All products. The main content area displays the 'Realtime Database' with tabs for Data, Rules, Backups, and Usage. The 'Data' tab is active, showing a tree view of the database structure. The root node is 'Smart_Farmers', which contains four child nodes: 'Blesswin: "B12345"', 'Kevin: "K12345"', 'Mugesh: "m12345"', and 'Vijay: "V12345"'. The database location is specified as 'United States (us-central1)'.

Smart Farmer

Realtime Database

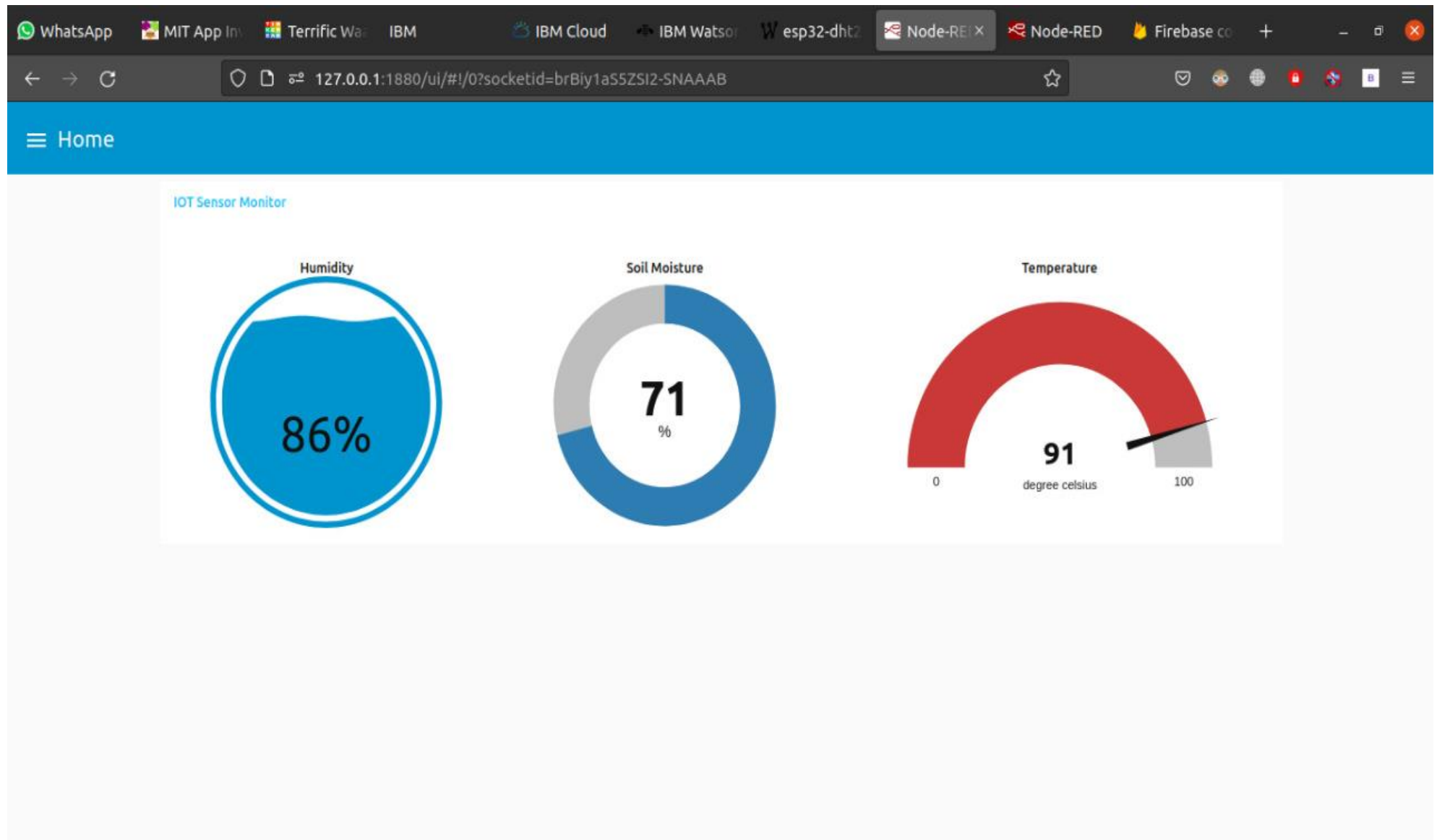
Data Rules Backups Usage

<https://smart-farmer-fa22a-default-rtdb.firebaseio.com>

```
https://smart-farmer-fa22a-default-rtdb.firebaseio.com/  
└─ Smart_Farmers  
  └─ Blesswin: "B12345"  
  └─ Kevin: "K12345"  
  └─ Mugesh: "m12345"  
  └─ Vijay: "V12345"
```

Database location: United States (us-central1)

Web Application Monitor Page



Water Pump Control Page

