NORTH SOUTH UNIVERSITY

Center Of Excellence in Higher Education

Department of Electrical and Computer Engineering

Project Progress Report

"Protisruti"

Junior Design (CSE299)

Section: 16

Group Members:

1. Sirajus Salekin Nahin - 173 1210 042
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Submission Date:

02 April 2021

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1. PROGRESS & ACHIEVEMENTS

The team started to work on IoT, UI design, and Android app from the previous week to this week. We are studying so many things since we are new to this IoT field.

We knew that we would face some difficulties here, so we started our project so early. In the android part, we have started working on the backend. There we can connect the real-time database with the software application, and overall, six pages of UI design are completed.
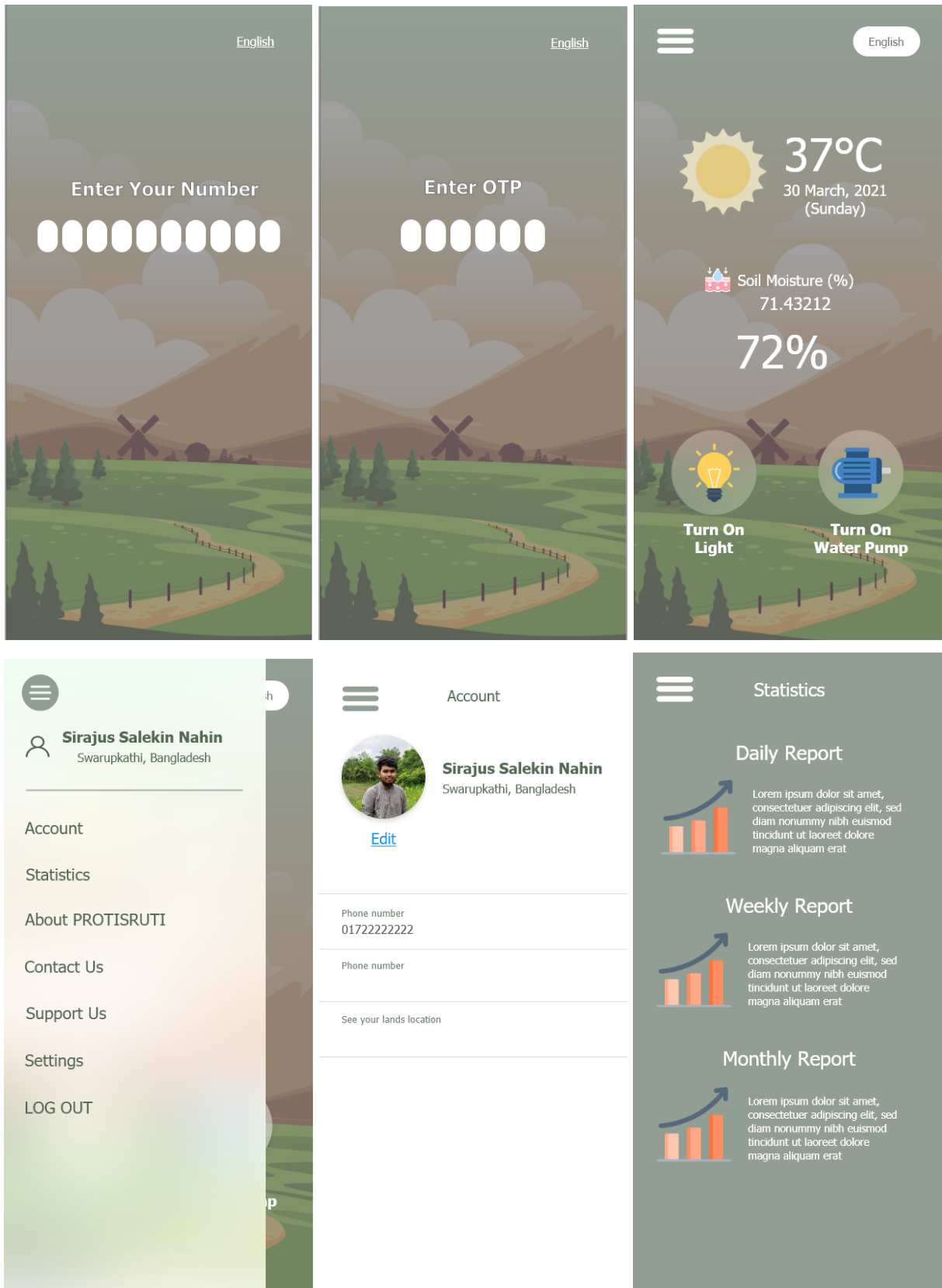
Fig: UI design

Sirajus Salekin Nahin(Group leader) is working IoT part, mainly he is researching for it[atteched link: 1. https://tutorials-raspberrypi.com/raspberry-pi-control-relay-switch-via-gpio/, 2.https://www.instructables.com/Raspberry-Pi-With-4-Relay-Module-for-Home-Automati/]. Samira Saif Joarder and Ummay Ashim Laila are working on UI design. Md. Asraful Islam Asif is working on the software applications backend part and researching [https://theengineerscafe.com/connect-an-android-app-to-firebase/]. The whole team always sits for the project in the google meet while working.

2. OBSTACLES

The main problem we are facing here is IOT based work; as we said before, this field is new to us. And also, the data retrieving part with the software application is quite challenging now. In this particular area, we are facing some problems.

3. MILESTONES AND REPORTING

[Tentative week counts from assigning date]

MILESTONE	TASKS	DATE
Week-1	Analysis and design stage(before assigning), gather equipment and create a work plan, start implementing	06/03/2021
Week-2	...………Do………….	
Week-3	Work for real-time database	
Week-4	Progress Report Due	26/03/2021
Week-6	IoT based work start and Android (Mobile Application) Progress Report Due	01/03/2021

Week-7	..………Do………….	
Week-8	..………Do………….	
Week-9	..………Do………….	
Week-10	Testing and Bug fixing	
Week-11	Present the final Project	