

IOT Based Smart Crop Protection System for Agriculture

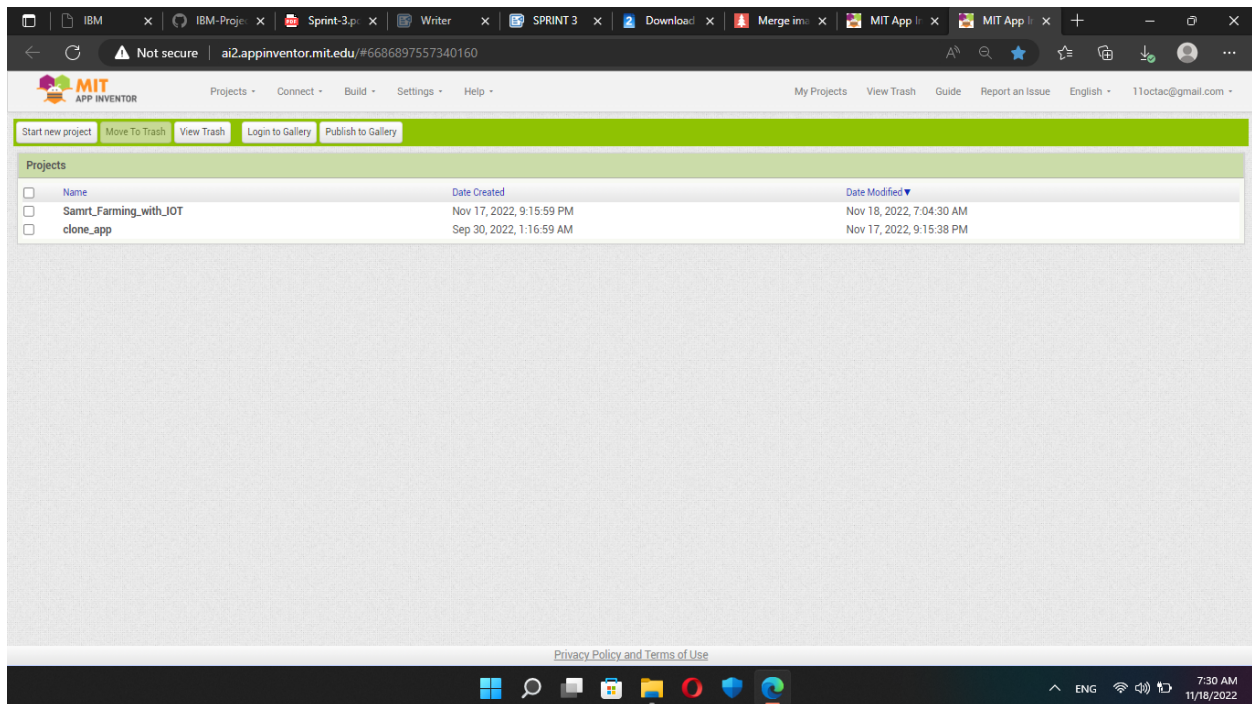
Team ID - PNT2022TMID49683

SPRINT - 3

DESIGN THE MODEL AND TEST THE APP

Create the mobile app using MIT app inventor. It helps the user to monitor the temperature, humidity, moisture and motor on/off control and sprinkler on/off control system.

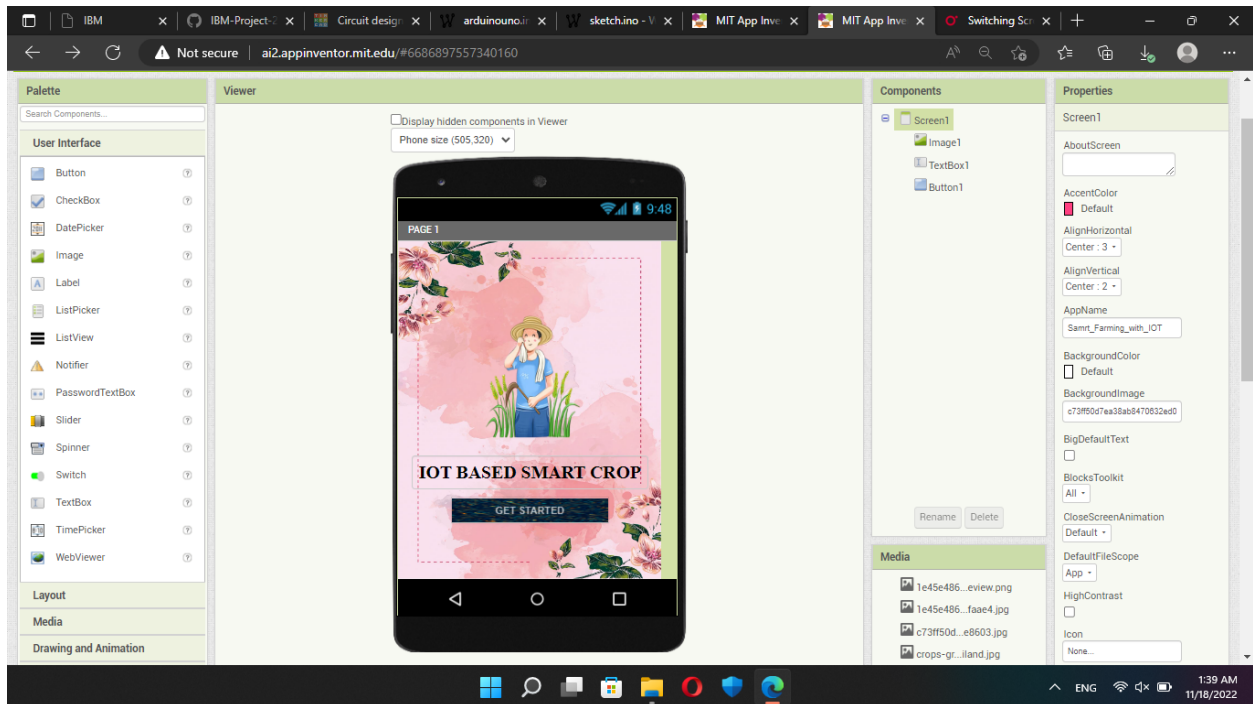
Dashboard of the MIT app inventor :



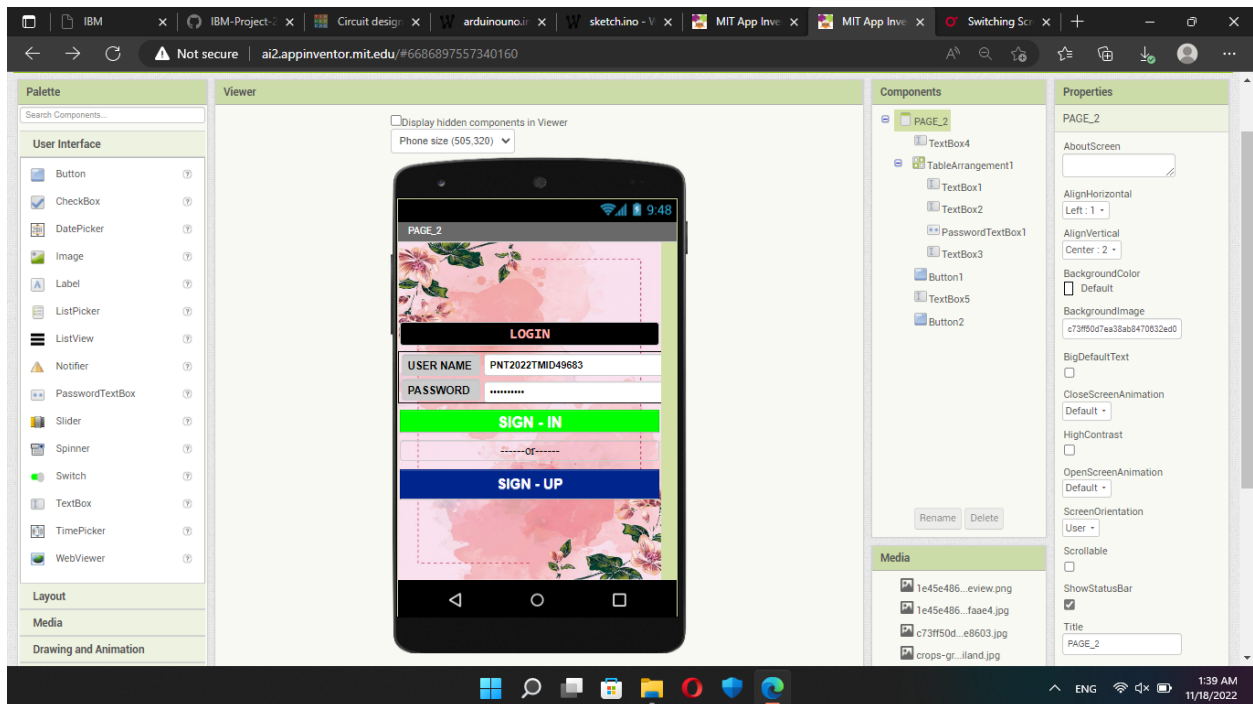
(fig - dashboard of project)

Front-end Designing in MIT app inventor :

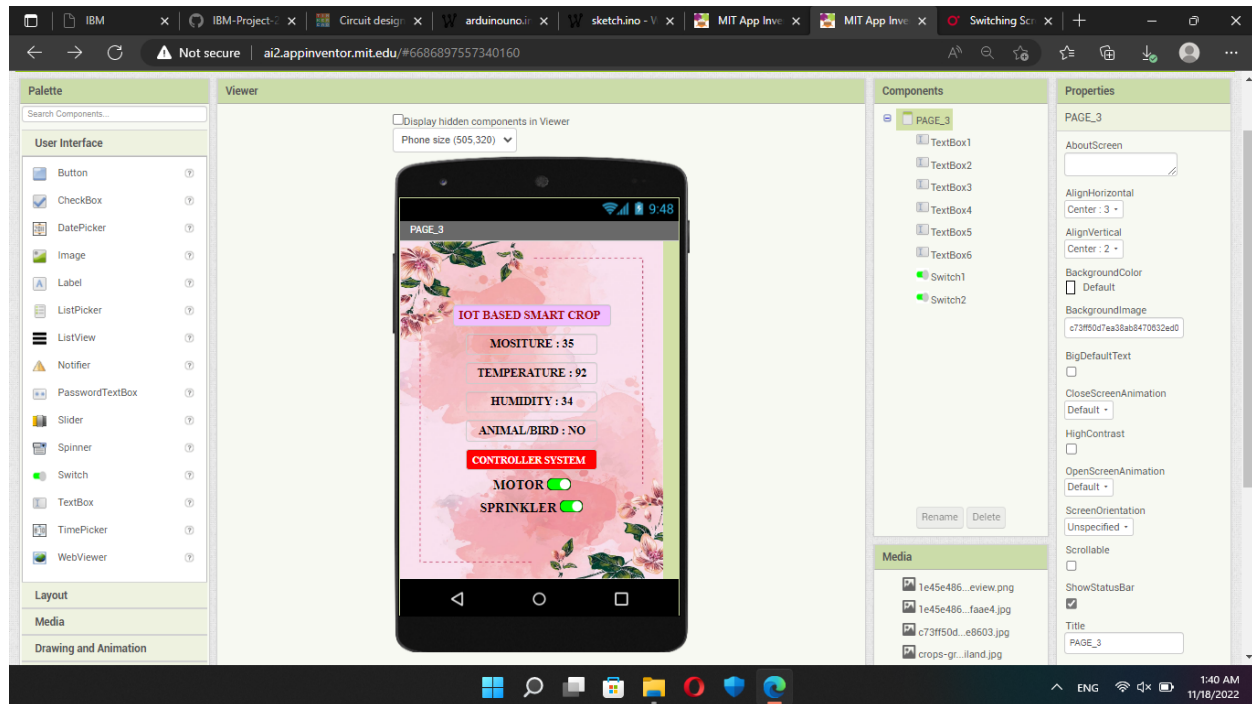
Screen 1 - Get started with app



Screen 2 - sign in / sign up for the user security concern and individual account

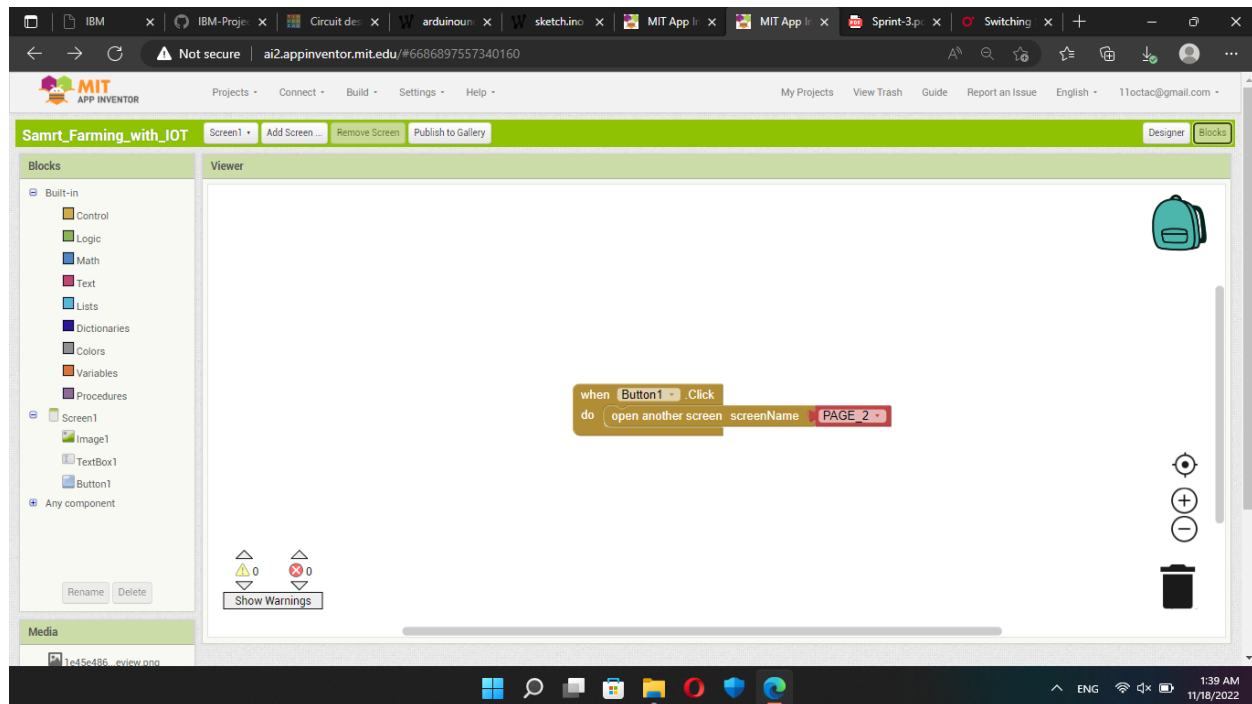


Screen 3 - Temperature, Humidity, Moisture level and Motor / Sprinkler [on/off]

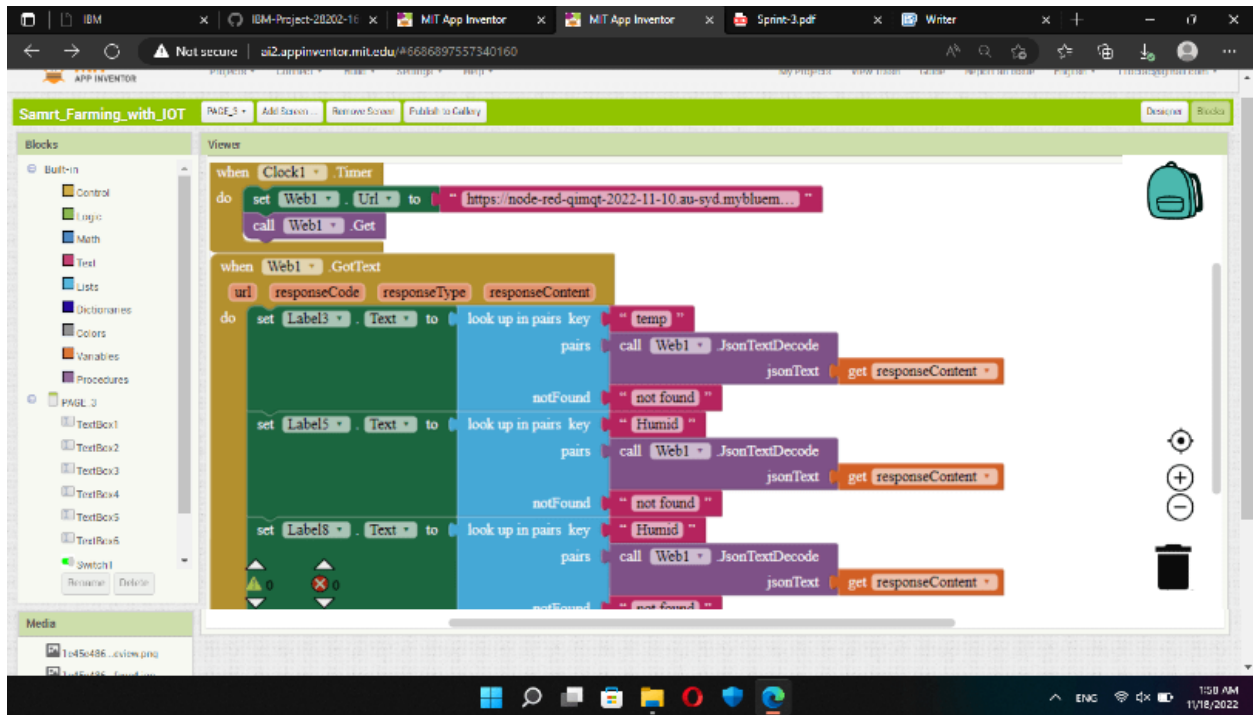


Back-end Designing MIT app inventor

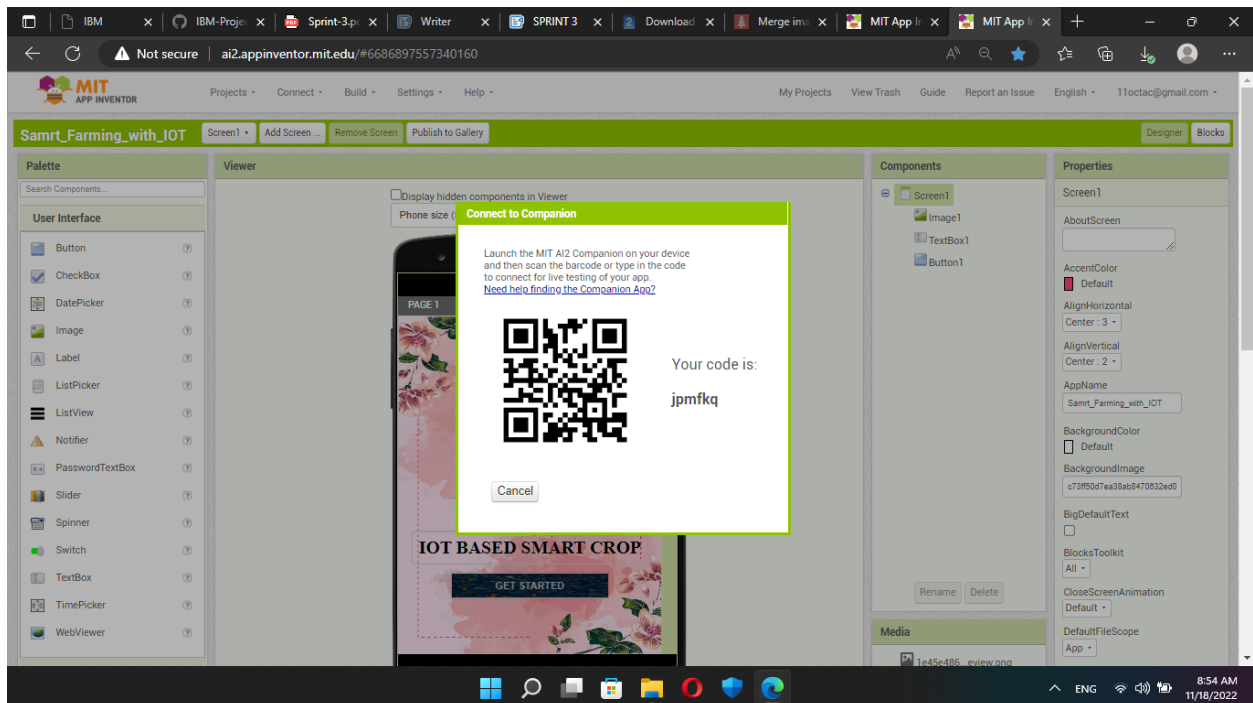
screen 1- block



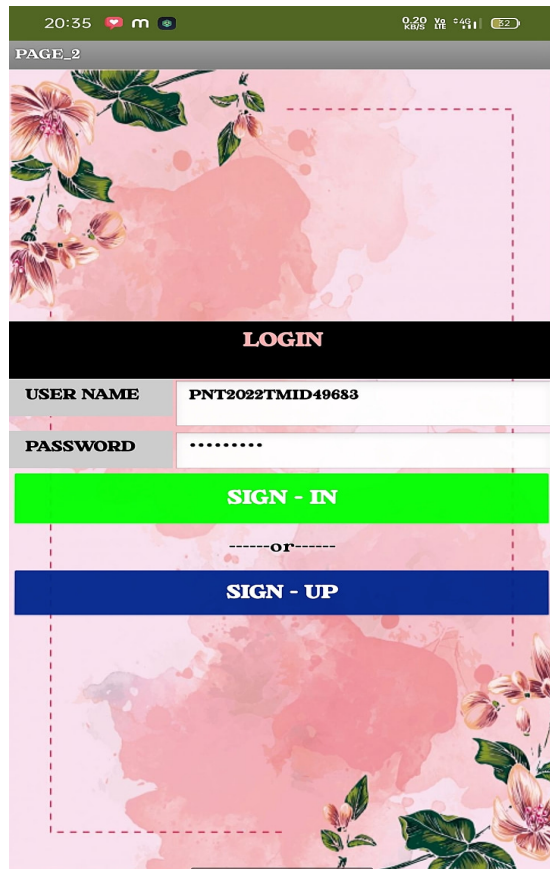
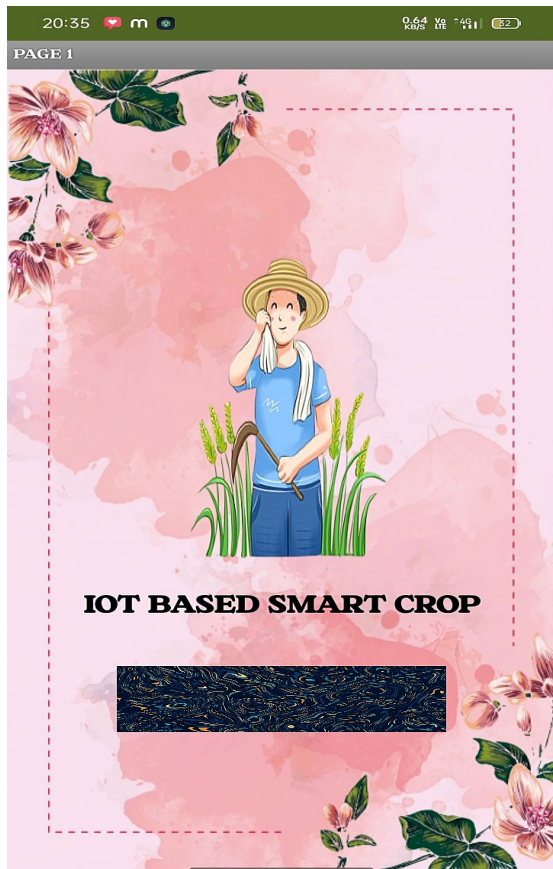
screen 3 - block



MIT AI companion to run on mobile :



Test the app in the mobile using ai companion :



IOT BASED SMART CROP

MOSITURE : 35

TEMPERATURE : 92

HUMIDITY : 34

ANIMAL/BIRD : NO

CONTROLLER SYSTEM

MOTOR ☒

SPRINKLER ☒