PROJECT DEVELOPMENT PHASE

SPRINT-3

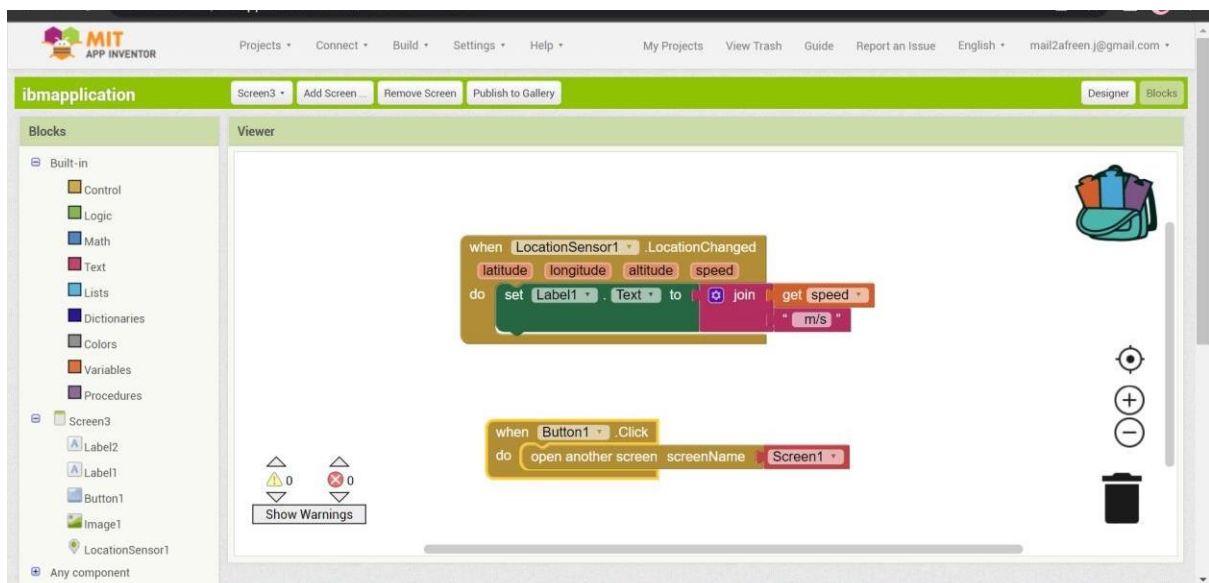| Team ID	PNT2022TMID14057
Project Name	Signs with Smart Connectivity for Better Road Safety

SPRINT-3:

1. SPEED:

➢ In sprint-3, we have implemented location sensor in MIT INVENTOR APP.

➢ This requires the user to turn on his location settings and with changes in his location with respect to time, speed of the user is determined and displayed in the user app screen.

➢ An image of normal speed limit is also added which indicates that it is safe to travel within the particular speed limit.

➢ This helps the user control his/her speed and thus reduces accidents and ensures safe drive.

MIT APP INVENTOR:
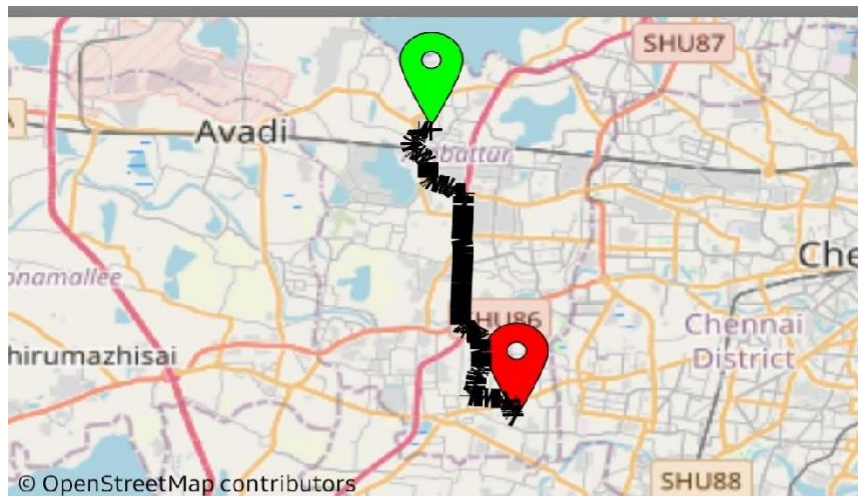
USER APP SCREENSHOT:

SPEED

0.43 m/s

BACK

2. **NAVIGATION:**

- Here, we have implemented location sensor in MIT APPINVENTOR.
- By clicking the CURRENT LOCATION button in the app, the usercan get his/her current location.
- User can drag and move the green marker to the start location and the red marker to the destination.
- By clicking the NAVIGATE button, a black path line connects thestart and end point.
- Direction to reach the destination is also displayed below.
- This helps the users to know their own location and get to know about the best street route to reach the destination.

MIT APP INVENTOR:

USER APP SCREENSHOT:

CURRENT LOCATION

NAVIGATE

BACK

Head south on Subramani Street

Turn right onto North Park Street

Turn left onto Oragadam Road

Turn sharp right onto South Park Street

Turn left onto Chennai - Tiruttani - Renigunta Road, SHU148

Continue straight onto Chennai - Tiruttani - Renigunta Road, SHU148

Turn left