1. **Report No.1 Introduction**
2. **Project Information**
3. **Introduction**

Nowadays, within the strong development of presently economy, time is always the one of priority in all areas. In particularly, when participating in traffic, how to route through more than two points as fast as possible in other that you can save your time. Presently, most of an application on market are not support on routing through two points. For example, Google Map Application and BusMap just support on routing through two points at most so that they cannot help you to save time if you want to route through two points. Besides that, both app’s user interface above is less convenient to use on smartphone.

Facing above problem, our team build the application named is Smart Wear on Your Route. In our application, we allow user route through more than two points. Within this improving on routing, user will find the shortest path pass more two points. Thus, user will save more time when user participating in traffic. Furthermore, we provide some feature to help user interact more easily with our application.

In additional, we also provide system software on website for staff to manage bus route, bus time information and the change from background handler.

1. **Current Situation**
2. **Problem Definition**
3. **Proposed Solution**
4. **Functional Requirements**

Web Component: (for staff only)

1. Edit bus route and bus time information.
2. Approve bus route and bus time change from background handler and write to official database.

Parser Component:

1. Parse bus route information.
2. Parse bus timetable information.
3. Periodically, detect the change from official bus website in order to write to temporary database.

Mobile Component:

1. Synchronize data from server to mobile.
2. Find the path’s optimization more than two points when using bus.
3. Find the path’s optimization more than two points when using motorbike.
4. Send changed data from mobile to wear.

Wear Component

1. Receive data from mobile.
2. Notify when user round on bus in given range.
3. Notify route when user drive by motorbike.
4. Auto scroll to current user’s location on map.

Bus Driver Component

1. Record time when bus driver arrived in bus station.
2. **Role and Responsibility**

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| --- | --- | --- | --- | --- |
| No | Full Name | Role | Position | Contact |
| 1 | Kiều Trọng Khánh | Project Manager | Supervisor | [khanhkt@fpt.edu.vn](mailto:khanhkt@fpt.edu.vn) |
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**Table 2: Roles and Responsibilities**