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

Nowadays, within the strong development of presently economy, time is always one of the priorities in all areas. In particularly, when participating in traffic, how to know fastest route in your journey is the critical condition for user.

Presently, most of an application on market are not support routing through more than two points. For example, Google Map and BusMap just supports on routing through two points at most so that they cannot help user if user has more than one place to go. Moreover, no mobile app supports wear devices, so user must lookup their mobile phone when participating in traffic and this behavior makes some inconveniences such as thief, accident …

Facing above problems, our team build the application named is Smart Wear on Your Route. In our application, we allow user find route through more than two points. We also support user choose their departure time so they can choose suitable route that they can come to place on time. Moreover, our application supports wear devices so user can look up on their wear device when they participating traffic avoiding some above problems.

In additional, we also provide system software on website for staff to manage bus route, bus time information and approve 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 from two points to four points when using bus.
3. Find the path’s optimization from two points to four points when using motorbike.
4. Sync data from mobile to wear.

Wear Component

1. Receive data from mobile.
2. Notify message when user near the bus station that should to left.
3. Notify next turns 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 to one bus station.
2. Synchronize data to server.
3. **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**