Roles and Responsibilities:

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| --- | --- | --- | --- | --- |
| **No** | **Full name** | **Role** | **Position** | **Contact** |
| **1** | Kiều Trọng Khánh | Project Manager | Instructor | [khanhht@fpt.edu.vn](mailto:khanhht@fpt.edu.vn) |
| **2** | Phạm Huy Hoàng | Developer | Team leader | [hoangphse60740@fpt.edu.vn](mailto:hoangphse60740@fpt.edu.vn) |
| **3** | Nguyễn Thanh Bình | Developer | Team member | [binhnt60321@fpt.edu.vn](mailto:binhnt60321@fpt.edu.vn) |
| **4** | Nguyễn Quốc Huy | Developer | Team member | [huynq60551@fpt.edu.vn](mailto:huynq60551@fpt.edu.vn) |

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| **No** | **Full name** | **Role in Group** | **Responsibilities** |
| **1** | Kiều Trọng Khánh | Project manager | \_ Specify user requirement  \_Control the development  process  \_Give out technique and  business analysis support |
| **2** | Phạm Huy Hoàng | Team leader, BA, DEV, tester | \_Managing process  \_Designing database  \_Clarifying requirements  \_Prepare documents  \_GUI Design  \_Create test plan  \_Coding  \_Testing |
| **3** | Nguyễn Thanh Bình | Team leader, BA, DEV, tester | \_ Designing database  \_Prepare documents  \_Clarifying \_requirements  \_GUI Design  \_Coding  \_Creating test cases  \_Testing |
| **4** | Nguyễn Quốc Huy | Team leader, BA, DEV, tester | \_Designing database  \_Prepare documents  \_Clarifying \_requirements  \_GUI Design  \_Coding  \_Creating test cases  \_Testing |

**Iteration:**

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| **Phase/Iteration** | **Description** | **Deliverables** | **Resource needed** | **Dependencies and Constrains** | **Risks** |
| **Preliminary Investigation or Analysis** | Study similar existing systems.  Identify and clarify requirements for the system in general. | Introduction of proposed system.  Main functions.  Project Iteration Plan. |  | N/A | Project may  not be feasible  for developing  because lack of technologies  and/or data |
| **Face Detect & Recognize** | Studying face detect, face recognize algorithm & library.  Find a solution, optimize for higher performance and accuracy. | Face Detect and Recognize System (On Web Site and Web Service) |  | N/A | Lack of experience.  The implemented algorithm is not the best.  Lack of test data |
| **Student management** | Manage subject, student images/information. | Student management function |  | Depend on “**Face Detect & Recognize”** |  |
| **Roll call management** | Create the roll call list, based on the information of student, instructor, class and course . | Roll call management function. (On Web Site and Web Service) |  | N/A | Lack of experience.  Not have a clear understanding about business process. |
| **Attendance checking** | Instructor use mobile app to take picture, use picture for attendance checking. | Android App with attendance checking function |  | Depend on “**Roll call management”** | Lack of experience on Android development, transfer file between Android and WCF |
| **Attendance report** | Students can view their own attendance rate.  Instructor and admin can view report . | Attendance report function. |  | N/A | Lack of experience of making report. |

**Iteration detail:**

**Preliminary Investigation or Analysis:**

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| **Task** | **Description** | **Author** |
| **1. Identifying and studying existing systems.** | \_Find which systems currently provide similar service, their strengths and weakness. | HuyNQ, HoangPH, BinhNT |
| **2. Identifying and clarifying main functions.** | \_Define which main functions system should provide. | HuyNQ, HoangPH, BinhNT |
| **3. Introduction.** | \_Complete Introduction Report. | HoangPH |
| **4. Project Management**  **Plan.** | \_Prepare Project  Management Plan. | HoangPH |
| **5. Website Prototype.** | \_Build a prototype of proposed system. | HuyNQ, HoangPH |
| **6. Mobile Prototype.** | \_Build a prototype of proposed system. | BinhNT, HoangPH |
| **7. Design ER diagram.** | \_Design ER diagram. | HoangPH, HuyNQ, BinhNT |

**Instructor Management**

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| **Task** | **Description** | **Author** |
| **1. Identifying**  **Requirement and**  **Planning** | \_Which feature this function should have and how to implement. |  |
| **2.** **Manage Instructor** | \_ Dealing with add/edit/active/inactive instructor. |  |
| **3. Testing** | \_Test system behavior and  performance  \_Test user behavior and  performance |  |
| **4. Document** | \_Adding SRS, SDD,  Installation Guide, Manual  Guide |  |

**Class Management**

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| **Task** | **Description** | **Author** |
| **1. Identifying**  **Requirement and**  **Planning** | \_Which feature this function should have and how to implement. |  |
| **2.** **Manage Class** | \_Dealing with add/edit/active/inactive class. |  |
| **3. Testing** | \_Test system behavior and  performance  \_Test user behavior and  performance |  |
| **4. Document** | \_Adding SRS, SDD,  Installation Guide, Manual  Guide |  |

**Student Management**

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| **Task** | **Description** | **Author** |
| **1. Identifying**  **Requirement and**  **Planning** | \_Which feature this function should have and how to implement. |  |
| **2. Manage student** | \_Dealing with add/edit/active/inactive student. |  |
| **3.Adding image** | \_Add/remove 8-20 image for students. |  |
| **4. Testing** | \_Test system behavior and  performance  \_Test user behavior and  performance |  |
| **5. Document** | \_Adding SRS, SDD,  Installation Guide, Manual  Guide |  |

**Course Management**

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| **Task** | **Description** | **Author** |
| **1. Identifying**  **Requirement and**  **Planning** | \_Which feature this function should have and how to implement. |  |
| **2.** **Manage Course** | \_Dealing with add/edit/active/inactive course. |  |
| **3. Testing** | \_Test system behavior and  performance  \_Test user behavior and  performance |  |
| **4. Document** | \_Adding SRS, SDD,  Installation Guide, Manual  Guide |  |

**Roll Call Management**

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| **Task** | **Description** | **Author** |
| **1. Identifying**  **Requirement and**  **Planning** | \_Which feature this function should have and how to implement. |  |
| **2. Manage roll call** | \_Dealing with add/edit/active/inactive roll call. |  |
| **3. Control roll call** | \_Add/edit teacher, student list, time of course. (Begin, End Date). |  |
| **4. View roll call** | \_ Seeing what roll call they (teacher, student) belong to. |  |
| **5. Testing** | \_Test system behavior and  performance  \_Test user behavior and  performance |  |
| **6. Document** | \_Adding SRS, SDD,  Installation Guide, Manual  Guide |  |

**Attendance Checking**

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| --- | --- | --- |
| **Task** | **Description** | **Author** |
| **1. Identifying**  **Requirement and**  **Planning** | \_Which feature this function should have and how to implement. |  |
| **2.** **Getting image from mobile** | \_Take a picture of entire class for attendance checking. |  |
| **3. Confirm, re-check manual** | \_Confirm or re-check attendance manual. |  |
| **4. Adding stranger’s image** | \_Adding to training set for higher accuracy. |  |
| **5. Implement GUI** | \_Allow teacher view the attendance log of the course. |  |
| **6. Testing** | \_Test system behavior and  Performance.  \_Test user behavior and  Performance |  |
| **7. Document** | \_Adding SRS, SDD,  Installation Guide, Manual  Guide |  |

**Stranger alert**

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| **Task** | **Description** | **Author** |
| **1. Identifying**  **Requirement and**  **Planning** | \_Which feature this function should have and how to implement. |  |
| **2.** **Manage alert** | \_Alert to teacher if a stranger is detected. |  |
| **3. Adding image** | \_Adding to training set for higher accuracy. |  |
| **4. Testing** | \_Test system behavior and  performance  \_Test user behavior and  performance |  |
| **5. Document** | \_Adding SRS, SDD,  Installation Guide, Manual  Guide |  |

**Attendance report**

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| **Task** | **Description** | **Author** |
| **1. Identifying**  **Requirement and**  **Planning** | \_Which feature this function should have and how to implement. |  |
| **2.** **Report about course** | \_System will report about class with student list, rate of absent. |  |
| **3. Testing** | \_Test system behavior and  performance  \_Test user behavior and  performance |  |
| **4. Document** | \_Adding SRS, SDD,  Installation Guide, Manual  Guide |  |