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 recognition approach** | \_Studying face recognition algorithms. Find a solution suitable with our system. | \_Face recognition system. |  | N/A | \_Lack of experience, technologies and/or data. |
| **Course management** | \_Synchronize data.  \_Manage subject, student, teacher of course. | \_Course management function. |  | N/A | \_ Lack of technologies and/or data. |
| **Check attendance** | \_Synchronize data.  \_Manage attendance. | \_Attendance management function. |  | N/A | \_ Lack of technologies and/or data. |
| **Statistic** | \_Manager can view statistic result of business. | \_Statistic function. |  | N/A | \_Lack of experience of statistic. |

**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 |

**Face recognition approach:**

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| **Task** | **Description** | **Author** |
| **1. Identifying**  **Requirement and**  **Planning** | \_Which feature this function should have and how to implement. | HoangPH, HuyNQ, BinhNT |
| **2. Create filter face recognition** | \_Increase performances face recognition. | HoangPH |
| **4.Testing** | \_Test system behavior and  Performance. | HoangPH, HuyNQ |
| **4. Document** | \_Adding SRS, SDD,  Installation Guide, Manual  Guide. | HoangPH, HuyNQ, BinhNT |

**Course management:**

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| **Task** | **Description** | **Author** |
| **1. Identifying**  **Requirement and**  **Planning** | \_Which feature this function should have and how to implement. | HoangPH, HuyNQ, BinhNT |
| **2. Manage course** | \_Dealing with add/edit/delete course. |  |
| **3. Manage subjects** | \_Dealing with add/edit/delete subjects. |  |
| **4. Manage teacher** | \_Dealing with add/edit/delete teacher. |  |
| **5. Manage students** | \_Dealing with add/ delete students to/from course. |  |
| **6. Implement GUI** | -Allow admin to view, search, add, edit and delete information of course/subject/teacher. | HoangPH, HuyNQ, BinhNT |
| **7.Testing** | \_Test system behavior and  Performance.  \_Test user behavior and  Performance. | HoangPH, HuyNQ, BinhNT |
| **8. Document** | \_Adding SRS, SDD,  Installation Guide, Manual  Guide. | HoangPH, HuyNQ, BinhNT |

**Check attendance:**

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| **Task** | **Description** | **Author** |
| **1. Identifying**  **Requirement and**  **Planning** | \_Which feature this function should have and how to implement. | HoangPH, HuyNQ, BinhNT |
| **2. Getting image from mobile device.** | \_Study how to get image from mobile device. | HoangPH, HuyNQ, BinhNT |
| **3. Getting face from image.** | \_Using face recognition to get face from image. | HoangPH |
| **4. Compare face from image with image from database.** | \_Compare face from image and from database to identify face. | HoangPH |
| **5. Check attendance automatic.** | \_Check present for student matching with images. | HoangPH, HuyNQ |
| **6. Check attendance manual and submit.** | \_The teacher confirm with not matching case and submit. | HoangPH, HuyNQ |
| **7. Implement GUI** | \_Allow admin view statistic result. | HoangPH, HuyNQ, BinhNT |
| **8.Testing** | \_Test system behavior and  Performance.  \_Test user behavior and  Performance. | HoangPH, HuyNQ, BinhNT |
| **9. Document** | \_Adding SRS, SDD,  Installation Guide, Manual  Guide. | HoangPH, HuyNQ, BinhNT |

**Statistic:**

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| **Task** | **Description** | **Author** |
| **1. Identifying**  **Requirement and**  **Planning** | \_Which feature this function should have and how to implement. | HoangPH, HuyNQ, BinhNT |
| **2.Statistic about course** | \_System will statistic about attendance of course. | HoangPH, HuyNQ |
| **3. Statistic about student** | \_System will statistic about student for each subjects. | HoangPH, HuyNQ |
| **4. Statistic about list student have absent > 20%** | \_System will statistic about list student have absent >20% | HoangPH, HuyNQ |
| **5. Implement GUI** | \_Allow admin view statistic result. | HoangPH, HuyNQ, BinhNT |
| **6.Testing** | \_Test system behavior and  Performance.  \_Test user behavior and  Performance. | HoangPH, HuyNQ, BinhNT |
| **7. Document** | \_Adding SRS, SDD,  Installation Guide, Manual  Guide. | HoangPH, HuyNQ, BinhNT |