**COE/ELE 70B : Group and Individual Milestones & Deliverables**

**Group Members**:

Student A: Taskin Abdur-Rahman

Student B: Yadu Krishnan Madhu

Student C: Zohraan Badar

Student D: Kisoban Rajendran

**Project Title:** AA05 - Automated Parking Management System

**Note: Please refer to the GANTT chart posted on D2L for all Due Dates.**

| **Phase: III**  **Project Manager:** Zohraan Badar | | | | | |
| --- | --- | --- | --- | --- | --- |
| **W7** | **Submission of Phase III milestones and deliverables by PM3 to the FLC** | * Cleanup parking lot and prepare for hardware installation | * Revise and make changes to code based on feedback. * Make general optimizations. * Conduct more research as needed. | * Keep track of team progress. * Schedule meetings and notify the team of important updates. * Help Students B and A with optimizing code and fixing errors. | * Continue working on building out the physical circuit until all parts are available. * Look to make circuit optimizations. |
| **W9** | **Milestone Compliance Report - 3 (MCR-3) submission and deliverables demo. Selection of Project Manager for Phase IV (PM4).** | * Develop frontend pages: Home, Parking Lot, QR code. | * Assist Student A with frontend tasks * Assist Student B with implementing test cases. * Assist Student D with soldering components. | * Implement test cases and discuss potential fixes and solutions with the team if any errors and faults are found. | * Disassemble components that are in temporary housing such as components connected to breadboards * Solder components together as part of the final design. * Work with Students B and C to ensure components function as before. |
| **Phase III**  **Deliverables** |  | * Complete parking lot use case functions. * Complete functions for license plate verification. | * Display the final working model of ESPCAM. The model should be capable of image detection and making Firebase update calls to update system states. * Update FLC and discuss necessary changes with the team and FLC. | * Display the final working model of ESPCAM. The model should be capable of image detection and making Firebase update calls to update system states. | * Display complete/final model circuitry with functioning fetch calls that fetch system state changes. * Update FLC and discuss necessary changes with the team and FLC. |
| **For FLC (Internal Use ONLY)**  **Milestones Compliance Report 3 (Project Manager: ) Submission Date (Due: Friday by 2pm of week 9):**  **Minutes of Meetings weeks 7, 8, and 9 (Project Manager: ) Submission Date (Due: Friday by 2pm of respective weeks):**    **Notes:** | | | | | |
| **Phase: IV**  **Project Manager:** Kisoban Rajendran | | | | | |
| **W10** | **Submission of Phase IV milestones and deliverables by PM4 to the FLC.** | * Fixing issues with hardware setup. * Continue with end-to-end testing and use case. | * Make the last and final necessary changes discussed during the previous phase. | * Make the last and final necessary changes discussed during the previous phase. | * Keep track of team progress. * Schedule meetings and notify the team of important updates. * Make the last and final necessary changes discussed during the previous phase, |
| **W12** | **Milestone Compliance Report - 4 (MCR-4) submission and deliverables demo. Final project demo, and evaluation. Submission of Individual project contribution summary prior to oral exam. (Your FLC may choose to conduct oral exams in week W12 and/or week W13)** | * Complete ML algos for parking spot recommendations. * Complete data visualization functions. | * Prepare for the oral exam. | * Prepare for the oral exam. | * Prepare for the oral exam. |
| **Phase IV**  **Deliverables**  **&**  **Final**  **Demo** |  | * Demo full use case for parking lot use case. * Demo parking lot recommendation functions. | * Start working on the project report. * Start working on the project presentation. | * Start working on the project report. * Start working on the project presentation. | * Start working on the project report. * Start working on the project presentation. |
| **For FLC (Internal Use ONLY)**  **Milestones Compliance Report 4 (Project Manager: ) Submission Date (Due: Friday by 2pm of week 12):**  **Minutes of Meetings weeks 10, 11, and 12 (Project Manager: ) Submission Date (Due: Friday by 2pm of respective weeks):**    **Notes:** | | | | | |
| **W13** | **Mandatory Tasks** (both as Group and Individual)**:**   * **Final Demo,** * **Project Oral Exam and** * **Final Report Submission.** | * Prepare for Demo. * Prepare for the Oral Exam. * Prepare for the open house demonstration. | * Prepare for Demo. * Prepare for the Oral Exam. * Prepare for the open house demonstration. | * Prepare for Demo. * Prepare for the Oral Exam. * Prepare for the open house demonstration. | * Prepare for Demo. * Prepare for the Oral Exam. * Prepare for the open house demonstration. |