FYP-II Timeline

# Group # 5

## Route and Delivery Package Optimization System

# Project Timeline

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| **No.** | **Elapsed Time** | **Task** | **Milestones** | **Chapters/Deliverables** |
| 1 | Week 1 | Timeline of FYP-II, Develop Locations data generation app, Introduction Chapter |  | Timeline |
| 2 | Week 2 | Data Balancing | Get equivalent data for each feature | Chapter 1 |
| 3 | Week 3 | Feature Selection, Literature Review | Select features to be used |  |
| 4 | Week 4 | Formulate Objective and Fitness Functions | Design objective and fitness functions | Objective and Fitness Functions, Chapter 2 |
| 5 | Week 5 | Design Optimization Algorithm: Framework Design, Project plan and initial design |  |  |
| 6 | Week 6 | Design Optimization Algorithm: Reference point generation |  | Chapter 3 |
| 7 | Week 7 | Design Optimization Algorithm: Optimization Module, Design and specification | Design Optimization Algorithm | Optimization Algorithm |
| 8 | Week 8 | Algorithm Implementation | Develop an API for the optimization algorithm | Chapter 4 |
| 9 | Week 9 | Experiments and Result Analysis, System Development | Test the performance of the algorithm |  |
| 10 | Week 10 | Demonstration App Design | Design the interface of the demo app | UI Design, Chapter 5 |
| 11 | Week 11 | Demonstration App Development, Result Analysis and Testing | Develop the backend of the demonstration app |  |
| 12 | Week 12 | Demonstration App Testing | Test the performance of demo app | Demonstration App, Chapter 6 |
| 13 | Week 13 | Conclusion | Project conclusion and future enhancement |  |
| 14 | Week 14 | Project Finalization | Project Completion | Project, Chapter 7 |

# Gantt Chart:

