# Progress Report

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| **Project Name** | *YamuColombo – Colombo Bus Route Management System* |
| **Index No** | *130166P* |
| **Weekly Report No** | *02* |
| **Reporting period** | *04-05-16 to 22-05-16* |
| **Section 1: Activities and Progress** | |
| 1.1 Implementation/ development progress  All the main GUIs have been designed. Client application is connecting to the backend and the core functionalities of the system has been developed. Routing algorithms are implemented and currently optimising the algorithms. Therefore development of the system is up to date with the project schedule. | |
| 1.2 Testing progress  Unit testing has been performed for the software components. GUIs are also being tested. However overall testing of the system has to be done in the coming weeks. | |
| 1.3 Deviations from proposed architecture and design (if any)  As of now, there hasn’t been any alterations from the initial plan. | |
| **Section 2: Risks, Issues and Challenges** | |
| Apart from the risks identified earlier at the first progress report, the biggest challenge at the moment is to come up with the best, most efficient and accurate algorithms for routing. Several algorithms are being analysed and currently optimizing them further. | |
| **Section 3: Next Steps** | |
| *Algorithms for finding the optimum route out of the possible routes will be implemented in the next phase. This will be based on the distance, cost and the traffic of the routes. Then those algorithms will also be optimized for better performance.* | |