Data Management Plan

**Types of data produced:**

Our project is all about tracking the attendance of the student, we are required to generate the dynamic data from the student by scanning the QR code. By scanning the QR code, the details of the student should match the details present in the static database and mark the attendance. Static database of all the users is required and will be created for running the simulation.

As the project progress, we are preparing the data about stand-up meetings, client meetings, team meetings, weekly iteration plans, team status reports, project management plan, requirements document, use case diagrams, specifications, issues tracking document, data management plan, database design, test plan, test suite, project code, user manual and installation manual.

**How the data will be created?**

Note taker is responsible for saving the data in the client meetings, stand up meetings and also the team meetings assigned by the project team. Iteration plan is created at the starting of the project and then as a team we followed accordingly and submitted all of our team work on Fridays. Project management plan, requirements document, use case diagrams, specifications, issues tracking document, data management plan, database design, test plan, test suite, project code, user manual and installation manual are discussed by the project team and completed the work collaboratively.

Data that is required for our project database can be collected in our University. This data includes details of Students, instructors, departments and interactions between them. Remaining data that is required for project database are collected from the client meetings.

Simulation will produce live data of trains which includes the routes of trains, current speed and current location. It will produce live track data which includes sections locked by trains, sections available and directions of switches.

**Storage of data:**

Documentation and coding of the Data that are created by our team will be stored in GitHub repository created by our team named Student-Attendance-Tracking. Format that the documentation data stored is .docx and .txt in order to make it more accessible. Image data is stored in .jpeg, .png or .gif formats. Format for coding the data is stored in respective format that our team is going to decide. The data that we created are stored in directory of Student-Attendance-Tracking. Documentation and code is stored in subdirectory. This include Meetings, weekly iteration plans, team status report, project management documents, requirements document, database design, test plan, test suite, user manual and installation manual. The code subdirectory will include the code of the project and resource files necessary for the project to work.

**Archiving and preservation of data:**

Data will be preserved in GitHub repository after completion of the project which is a stable resource for making data readily available. Data will be made available indefinitely on GitHub. This data will include all of the documentation and code data.

**ER Diagram**

