Progress Report - Moway - Virtual self-driving car using reinforcement learning

Project Name	Moway - Virtual self-driving car using reinforcement learning
Index No	160544C
Weekly Report No	02
Reporting period	20th January 2019 to 21st March 2019

Section 1: Activities and Progress

1.1 Implementation/ development progress

- ❖ Inception
  - ➢ Requirements were identified and the project proposal was prepared.
  - ➢ Feasibility analysis was done and the feasibility report was prepared.
  - ➢ Project planning and scheduling were done.
- ❖ Elaboration
  - ➢ Requirement specification and analysis are almost completed.
  - ➢ SRS and SDS Documents have been prepared.
  - ➢ Initial Implementation of flat Car and Environment.

1.2 Testing progress

- ❖ Unit testing of Rule-based car is partly done. Most of the validations were partly met Most of the interface testing for implemented interfaces were finished successfully.

1.3 Deviations from proposed architecture and design (if any)

- ❖ None

Section 2: Risks, Issues, and Challenges

- ❖ Since the training through the dataset is computationally exhaustive at times the training gets interrupted and hence it slows down the development of the system.

Section 3: Next Steps

- ❖ Reminding Unit Testing
- ❖ System integration testing
- ❖ Implement RL Learning
- ❖ Improve code quality