**SmartTrader**

ISS SLS PROJECT REPORT

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**APPENDICES**

APPENDIX I:

1. Problem Statement

* 1. PRoblem description
  2. approach to solution

1. model overview and implementation
   1. state
   2. reward
   3. actions
   4. user interface

One way for users to try out the trained model in actual trading scenarios is to use the wrapper python script (Refer to Appendix xx for user guide and demonstration). The script starts by asking user to input historical data for a selected stock. Once completed, the program will run the model and apply actions to the historical data and simulates the profits made based on the environment.

After which, user is prompted to input current date and stock information. Based on the new information, the action value will be generated for each step and the action with the highest action value is recommended to the user.

The program will also advance the model by applying the action to calculate the reward and profit of the next state.

The current state of the program only runs based on a model which only requires user input of the closing price. Once there are other models generated using other technical analysis, the program is easily scalable to include user inputs for that information.

1. model evaluation
   1. features used for evaluation
   2. phase 1
   3. phase 2
   4. phase 3
2. conclusion

**Appendix:**