

Research Project Progress Report Week [5] – SIT723

Student Name:	Satvik Sharma	
Supervisors' Names:	Prof. Maia Angelova	
Project Title:	Financial Time Series Analysis with Machine Learning	
SIT723 Target Grade:	Distinction I believe I have completed the tasks according to the deadline I chose. I have completed the literature review and have started working on the Project design.	
Overleaf Project Link:	https://www.overleaf.com/project/623000d8d7e111b8d806686e	
Project Folder Link:	https://deakin365.sharepoint.com/:f:/r/sites/SIT723- FinancialTimeSeriesAnalysiswithMachineLearning/Shared%20Documents/ General/Satvik%20Sharma(218595095)?csf=1&web=1&e=laxNjw	
Worklog:	https://deakin365.sharepoint.com/:x:/r/sites/SIT723- FinancialTimeSeriesAnalysiswithMachineLearning/Shared%20Documents/ General/Satvik%20Sharma(218595095)/Worklog.xlsx?d=w2cfbd3ab588d4 2f58966474ef14f85c2&csf=1&web=1&e=2nMoH6	
Project Plan		



Summary of the work planned with your supervisor:	In the first four weeks, the first and foremost task was to complete the Literature Review. The advantage of doing the literature review was to understand what kind of machine learning models are used by the people by the researchers. This will help out in creating the research artefact, and the initial plan for the research project has been started. The dataset will be pre-processed and create a machine learning model to predict the outcome for stock market for three years and five years.
Summary of the work done:	The literature review has been completed and a number of papers have been reviewed. The next part, that is, completing of the research design has been started along with the creation of the artefact. The machine learning model will be created in the Jupyter notebook. The data preprocessing has been started and the machine learning model will be made. Research on different machine learning algorithms is still in process and the best machine learning model(s) will be chosen for the project.
Next steps:	The next step is to create a machine learning model with different algorithms and finding out the best model. Then it will be the best idea to recreate the machine learning model by hybridisation.
Overall project progress:	The project is going on with the good speed and with the current progress the project will be completed on time.

Reflection against Assessment Rubric

Add comments and evidence against your target grade for each criterion in the assessment rubric. You should also provide evidence (relevant to your target grade) on how you meet all the relevant criteria for that grade based on your progress so far.

In case you have not started work on a specific criterion, e.g., research evaluation, leave it blank.

Your reflection on work done so far against the assessment rubric criteria		
Literature Review	Distinction	
Technical & Academic Writing	Distinction	
Research Design	Credit	



Project Management	Distinction
Artefact Development	Credit
Research Evaluation	[Add your comments, grade and relevant evidence here]
Research Dissemination	[Add your comments, grade and relevant evidence here]
OVERALL	Distinction

Additional Evidence

Add any evidence that supports your case for your target grade. For example, screenshot of git commits log, screenshot of your cloud storage folder, progress in your research report or artefact development, or a visual chart to illustrate project progress so far.

This is your research project, and you need to demonstrate (with evidence) how you meet criteria for a certain grade. Make this project report easy to read and help anyone reading this report assess, with least effort, the progress you have made.

















