

**The University of the West Indies**

**Department of Computing and Information Technology**

**Undergraduate Project Course**

**Weekly Status Report Template**

**Project: minter Date: 18/02/2020 - 02/03/2020**

**Implementation Status –** Two out of Four models running.

**Highlights -** The group is slightly off track from the schedule thus far, but sufficient time was allocated for any risk that we may encounter. Also solved the TensorFlow issue from the last progress report. Pipeline was constructed for the LSTM and SARIMA models

**Risks or Issues List -** No major Risk or issues were presented for this week.

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| --- | --- | --- | --- | --- |
| **Date Entered** | **Risk or Issue** | **Description** | **Resolution** | **Status** |
| 10/02/2020 | TensorFlow Library | Python Library used to run LSTM is a bit buggy | rollback python version, check forums | Resolved |
| 17/02/2020 | Not obtaining a sufficient source code for the Neural ODE | As an appropriate model was not found, it delayed the project progress as we now have to spend additional time understating how it works | Extending the time frame for the task at hand to account for research | In progress |
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**Tasks in Progress or Completed in the Last Iteration**

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| --- | --- | --- | --- |
| **Task Name** | **Description** | **Team Member Responsible** | **% Complete** |
| The Pipeline Construction | The pipeline was constructed for the experiment design. This serves as a guide for us to follow when implementing the models | All members | 100% |
| Implementing source code for SARIMA & LSTM Model | Modifying the source code for the project area | All members | 100% |
| Obtaining the source code for BPNN model | Finding/researching appropriate source code for the respective model | All members | 100% |
| Obtaining the source code for the Neural ODE model | Finding/researching appropriate source code for the respective model | All members | 65% |
| Running a test experiment for SARIMA & LSTM | With the successful implementation we tested the models to ensure it ran as expected | All members | 100% |

**Upcoming Tasks for the Next Iteration**

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| --- | --- | --- |
| **Task Name** | **Description** | **Team Member Responsible** |
| Continuation of research for Neural ODE model source code | Modifying the source code for the project area | All members |
| Implementing source code for BP Model | Modifying the source code for the project area | All members |
| Running the test experiment for the BPNN model | With the successful implementation of the model, we would run a test to ensure everything works as expected before we move to running the experiment | All members |
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