

**The University of the West Indies**

**Department of Computing and Information Technology**

**Undergraduate Project Course**

**Weekly Status Report Template**

**Project: minter Date: 03/17/2020 - 03/30/2020**

**Implementation Status –** All four models operational

**Highlights -** The group is back on track based on the schedule created. The experimental Process began. The neural ODE is up and running.

**Risks or Issues List –** No major risks or issues were presented during this time frame.

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| **Date Entered** | **Risk or Issue** | **Description** | **Resolution** | **Status** |
| 16/03/2020 | Neural ODE Code | The neural Ode Code is taking us a bit longer than expected to run successfully | All team members were pulled to work on it | Resolved |
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**Tasks in Progress or Completed in the Last Iteration**

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| --- | --- | --- | --- |
| **Task Name** | **Description** | **Team Member Responsible** | **% Complete** |
| Tweaking the source code for Neural ODE model | Modifying the source code for the project area in order for the model to run successfully | All members | 100% |
| Running the test experiments for Neural ODEs | With the successful implementation we would begin running the experiment on the datasets collected | All members | 75%  (parameter tuning to be conducted) |
| Datasets cleaning | The datasets were cleaned to ensure consistency with the datatype formats across all datasets.  We also changed the col names, which will enable us to run the experiment just by changed the file name. | Jada Gooding | 100% |
| Running the Experiment for SARIMA | The experimental process began on the SARIMA model for all the datasets collected and their results recorded in the spreadsheet created.  Each dataset was fixed to the model by particular parameters | All members | 100% |
| Running the Experiment for LSTM | The experimental process began on the LSTM model for all the datasets collected and their results recorded in the spreadsheet created.  Each dataset was fixed to the model by particular parameters | All members | 100% |
| Research Refresher in prep for presentation | We did light research to refresh our mind before we started the presentation | All members | 100% |
| Mid Term Presentation | We divided the presentation sections and distributed accordingly | All members | 100% |

**Upcoming Tasks for the Next Iteration**

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| --- | --- | --- |
| **Task Name** | **Description** | **Team Member Responsible** |
| Running the experiment for BPNN | To begin the experimental process for the BPNN model, and its parameters would be fixed per dataset and the results recorded. |  |
| Fine tuning the Neural ODE code | Parameter tuning the Neural ODE code before we move to the experiments. |  |
| Running the experiment for Neural ODE | To begin the experimental process for the Neural ODE model, and its parameters would be fixed per dataset and the results recorded. |  |