

**The University of the West Indies**

**Department of Computing and Information Technology**

**Undergraduate Project Course**

**Weekly Status Report Template**

**Project: minter Date: 11/02/2020 - 17/02/2020**

**Implementation Status -** N/A at this moment

**Highlights –** Sufficient datasets were found. The source code for two models were found to serve as a base for us to develop the model further. We decided that the Neural ODE additional time to understand completely.

**Risks or Issues List –**

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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 | In progress |
| 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** |
| Sourcing Dataset | Finding an appropriate dataset for seasonal time series | All members | 100% |
| Obtaining the source code for all models (SARIMA & LSTM found) | Finding/researching appropriate source code for the respective models | All members | 50% |
| Learning about the Neural ODEs | Learning more about the code behind Neural ODEs | All members | 60% |

**Upcoming Tasks for the Next Iteration**

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| --- | --- | --- |
| **Task Name** | **Description** | **Team Member Responsible** |
| Implementing and updating the source code found for SARIMA and LSTM | Modifying the source code for the project area | All members |
| Designing the Experimental Process | Defining the experiment structure for all models | All members |
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