**Data Science Project 7PAM2002-0509-2023**

**Semester C 2023**

**Logbook (Activities and GitHub submissions)**

**Student Name and ID: Devi Manamthanam Dhanapalan**

**Project Title: Optimising Electric Vehicle Charging Infrastructure through Predictive Analysis and Usage Pattern Analysis**

**Supervisor: Vandana Das**

**Student GitHub URL:** **https://github.com/dm23aau**

**Number of versions of the code submitted on GitHub:**

**User documentation has been submitted on GitHub: YES / NO**

**Student GitHub URL has been shared with markers: YES / NO**

**Log of Activities**

**Must record attendance at lectures and supervisions**

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| **Week** | **Date** | **Activity**  **incl. lectures & supervisions** | **Reason if not attend lecture or supervision** | **Weekly project progress.**  **How lecture/supervision was helpful to your project.** |
| 1 | 14-05-2024 | Lecture 1 |  | The lecture was about overview of the module, assessments, choosing your project and dataset, academic misconduct, doing a literature search and referencing. This lecture was really helpful to understand the basics of how to start the project. |
| 2 | 21-05-2024 | Lecture 2 |  | The lecture was about the Project and Data Management Plan. This lecture helped how to create the PDM plan and prepare for presentation. |
| 3 | 30-05-2024 | Supervision 1 | Authorised Absence | The topic and dataset was mailed to the supervisor. |
| 4 | 03-06-2024 | Lecture 3 | Authorised Absence |  |
| 5 | 06-06-2024 | Supervision 2 | Authorised Absence |  |
| 6 | 12-06-2024 | Supervision3 (PDM) |  | The PDM talk was done. The supervisor had gone through the dataset and asked me to do the literature review. |
| 7 | 17-06-2024 | Lecture 4 |  | The lecture was based on Data Ethics. It was helpful to prepare for the Ethics quiz which will be on July 3. |
| 8 | 25-06-2024 | Supervision 4 |  | Data Validation and Handling missing data was done. The supervisor asked to prepare log book, complete the literature review and decide the ML model by next week. Also asked to mail the Github link to her. |
| 9 | 03-07-2024 | Supervision 5 |  |  |
| 10 |  | Lecture 5 |  |  |
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**Log of GitHub Submissions**

**Record the versions of code and user documentation submitted on GitHub**

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| **Date** | **Filename and version submitted to GitHub** | **Description of code and/or documentation submitted (what has been added since the previous version).** |
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