

**Dissertation Supervision Log Book**

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| **Institute** | MCAST IICT (Information Communication & Technology) |
| **Programme** | Bsc (Hons) Software Development |
| **Dissertation Title** |  |
| **Supervisor** | Luke Vella Critien |
| **Student** | Dorielle Spiteri |
| **Student ID No** | 0206997M |

**Note**

1. It is the **student’s responsibility** to ensure that this logbook is correctly documented and maintained.
2. This logbook is to be submitted together with the dissertation.
3. The institute reserves the right **not to accept** the student’s dissertation for evaluation if this logbook is **not filled in correctly** and **duly signed** by the student and the supervisor as indicated.

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| **Meeting 1** | **Date :** *18th October 2017* |
| **Issues discussed at the meeting**   * Reviewed and Discussed Initial SOI * The issue with the SOI is that the objective of the dissertation is not clearly described, it is quite generic * The main issue overall is the data set * During the next week it is important to find a dataset in order to start working and to clarify the overall objective | |
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| **Supervisor Recommendations**   * Problem with SOI revolves around dataset. Student is to solve dataset issues (find one or collect her own). * Have a clearer idea of dissertation deliverables * Explore related algorithms | |
| **Date of Next Meeting** | 25/10/17 |
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| **Student Signature** |  |
| **Supervisor Signature** |  |
| **Meeting 2** | **Date :** *25th October 2017* |
| **Issues discussed at the meeting**   * Since the previous meeting a lot of research was made regarding the data set especially * While no exact data set was found, I was able to find one application with the same objective and a study made in a foreign university in relation to food and blood glucose levels. These sources did not provide data sets, however we discussed that there is nothing to lose by reaching out to these entities asking for some sample data. * Knowing that the chances of receiving a reply are very small, the search for a data set should continue * Regarding algorithms I found many papers in relation to medical data mining and diabetes in particular. From what I found decision trees are what works best, followed by neural network. * For my research it would be interesting to compare decision trees to a different prediction algorithm and analyse the results and maybe decipher why one is better than the other. | |
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| **Supervisor Recommendations** | |
| **Date of Next Meeting** | 01/11/17 |
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| **Student Signature** |  |
| **Supervisor Signature** |  |
| **Meeting 3** | **Date :** *1st November 2017* |
| **Issues discussed at the meeting**   * During the week I researched more on the idea ofcomparing decision trees to a different prediction algorithm and decided to pursue this idea after seeing some papers do the same * I also found a dataset which is close to what I need even though during the coming week I need to further analyse and clean the data in order to decide what predictions and general analysis can be taken from it * We also discussed a template I created of the sections for the dissertation paper * Literature wise I need to find more papers in order to have more information and be more educated on the topic, mainly medical data mining and predictions in the diabetic field | |
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| **Supervisor Recommendations** | |
| **Date of Next Meeting** | 08/11/17 |
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| **Student Signature** |  |
| **Supervisor Signature** |  |

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| **Meeting 4** | **Date :** *15th November 2017* |
| **Issues discussed at the meeting**   * Since the last meeting I analysed the data set I had found and jotted down some ideas of what it can be used for but In the mean time one of the foundations I has emailed regarding their data answered back * The Night Scout Foundation, who I heard back from, has a collection of data from people who donate their readings to this foundation for research and community purposes. * The email did not contain links to any data however it had links to descriptions of the data that can be found. After emailing back saying that was interested in what they had to offer I received another email with links to the data * The data was zipped and in Json format so my next task is to convert and analyse the data * Regardless of this, I will still keep the first data set that I had as it would also be interesting to compare results from different data sets, if time permits | |
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| **Supervisor Recommendations** | |
| **Date of Next Meeting** | 22/11/17 |
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| **Student Signature** |  |
| **Supervisor Signature** |  |

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| **Meeting 5** | **Date :** *22nd November 2017* |
| **Issues discussed at the meeting**   * As the data set that from the Night Scout Foundation was in json format, during the past week I wrote a program to iterate through the folders and convert the files to excel * There are 21 folders, a folder for each person and each person has at least four different files * A short review of the data types and folders showed that not every folder is the same, some has missing data and some data types are not straight forward * It was discussed that for the next week or two time should be spent on analysing the data and reading papers in order to start the literature review * The first draft of the review is due for week before the Christmas holidays start | |
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| **Supervisor Recommendations** | |
| **Date of Next Meeting** | 29/11/17 |
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| **Student Signature** |  |
| **Supervisor Signature** |  |

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| **Meeting 6** | **Date :** *6th December 2017* |
| **Issues discussed at the meeting**   * During this meeting we discussed the data set from the Night Scout foundation and how it needs to be cleaned in order to be used * For the cleaning process it was suggested to create a database and some kind of simple automation system to put all the data into one table. This method will not only save time but also reduce the risk of human error, if the data had to be processed manually * Furthermore, since some data types are still not clear, I will be sending an email to the person who sent the data with questions regarding their meaning * As January is fast approaching for the time being focused should be placed on the literature review * The structure of the literature review was also discussed and how some sections should have subsections and the overall importance of having a good flow between the paragraphs | |
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| **Supervisor Recommendations** | |
| **Date of Next Meeting** | 20/12/17 |
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| **Student Signature** |  |
| **Supervisor Signature** |  |

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| **Meeting 7** | **Date :** *20th December 2017* |
| **Issues discussed at the meeting**   * The literature review was the main thing that was discussed during this meeting * Up to this point the introduction and the beginning of the second section where done * It was pointed out that the introduction was a bit too long and should be more straight to the point * Also, as the topic at hand is medical data mining with regards to diabetes it is important to focus on that subject and not stray from it too much * Enfaces was made again regarding the flow of the paper which will be adjusted as the writing progresses | |
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| **Supervisor Recommendations** | |
| **Date of Next Meeting** |  |
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| **Meeting 8** | **Date :** |
| **Issues discussed at the meeting** | |
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| **Supervisor Recommendations** | |
| **Date of Next Meeting** |  |
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| **Meeting 9** | **Date :** |
| **Issues discussed at the meeting** | |
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| **Supervisor Recommendations** | |
| **Date of Next Meeting** |  |
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| **Meeting 10** | **Date :** |
| **Issues discussed at the meeting** | |
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| **Supervisor Recommendations** | |
| **Date of Next Meeting** |  |
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| **Meeting 11** | **Date :** |
| **Issues discussed at the meeting** | |
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| **Supervisor Recommendations** | |
| **Date of Next Meeting** |  |
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| **Student Signature** |  |
| **Supervisor Signature** |  |

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| **Meeting 12** | **Date :** |
| **Issues discussed at the meeting** | |
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| **Supervisor Recommendations** | |
| **Date of Next Meeting** |  |
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| **Student Signature** |  |
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| **Meeting 13** | **Date :** |
| **Issues discussed at the meeting** | |
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| **Supervisor Recommendations** | |
| **Date of Next Meeting** |  |
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| **Student Signature** |  |
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| **Meeting 14** | **Date :** |
| **Issues discussed at the meeting** | |
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| **Supervisor Recommendations** | |
| **Date of Next Meeting** |  |
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| **Student Signature** |  |
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| **Meeting 15** | **Date :** |
| **Issues discussed at the meeting** | |
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| **Supervisor Recommendations** | |
| **Date of Next Meeting** |  |
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| **Meeting 16** | **Date :** |
| **Issues discussed at the meeting** | |
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| **Supervisor Recommendations** | |
| **Date of Next Meeting** |  |
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| **Meeting 17** | **Date :** |
| **Issues discussed at the meeting** | |
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| **Supervisor Recommendations** | |
| **Date of Next Meeting** |  |
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| **Student Signature** |  |
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| **Meeting 18** | **Date :** |
| **Issues discussed at the meeting** | |
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| **Supervisor Recommendations** | |
| **Date of Next Meeting** |  |
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| **Student Signature** |  |
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| **Meeting 19** | **Date :** |
| **Issues discussed at the meeting** | |
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| **Supervisor Recommendations** | |
| **Date of Next Meeting** |  |
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| **Student Signature** |  |
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| **Meeting 20** | **Date :** |
| **Issues discussed at the meeting** | |
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| **Supervisor Recommendations** | |
| **Date of Next Meeting** |  |
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| **Student Signature** |  |
| **Supervisor Signature** |  |

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| **Meeting 21** | **Date :** |
| **Issues discussed at the meeting** | |
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| **Supervisor Recommendations** | |
| **Date of Next Meeting** |  |
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| **Student Signature** |  |
| **Supervisor Signature** |  |

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| **Meeting 22** | **Date :** |
| **Issues discussed at the meeting** | |
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| **Supervisor Recommendations** | |
| **Date of Next Meeting** |  |
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| **Student Signature** |  |
| **Supervisor Signature** |  |

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| **Meeting 23** | **Date :** |
| **Issues discussed at the meeting** | |
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| **Supervisor Recommendations** | |
| **Date of Next Meeting** |  |
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| **Student Signature** |  |
| **Supervisor Signature** |  |

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| **Meeting 24** | **Date :** |
| **Issues discussed at the meeting** | |
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| **Supervisor Recommendations** | |
| **Date of Next Meeting** |  |
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| **Student Signature** |  |
| **Supervisor Signature** |  |

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| **Meeting 25** | **Date :** |
| **Issues discussed at the meeting** | |
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| **Supervisor Recommendations** | |
| **Date of Next Meeting** |  |
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| **Student Signature** |  |
| **Supervisor Signature** |  |

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| **Meeting 26** | **Date :** |
| **Issues discussed at the meeting** | |
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| **Supervisor Recommendations** | |
| **Date of Next Meeting** |  |
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| **Student Signature** |  |
| **Supervisor Signature** |  |

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| **Meeting 27** | **Date :** |
| **Issues discussed at the meeting** | |
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| **Supervisor Recommendations** | |
| **Date of Next Meeting** |  |
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| **Student Signature** |  |
| **Supervisor Signature** |  |

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| **Meeting 28** | **Date :** |
| **Issues discussed at the meeting** | |
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| **Supervisor Recommendations** | |
| **Date of Next Meeting** |  |
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| **Student Signature** |  |
| **Supervisor Signature** |  |

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| **Meeting 29** | **Date :** |
| **Issues discussed at the meeting** | |
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| **Supervisor Recommendations** | |
| **Date of Next Meeting** |  |
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| **Student Signature** |  |
| **Supervisor Signature** |  |

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| **Meeting 30** | **Date :** |
| **Issues discussed at the meeting** | |
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| **Supervisor Recommendations** | |
| **Date of Next Meeting** |  |
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| **Student Signature** |  |
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| **Dissertation Supervision Meeting Summary Sheet** | | | | Sheet 1 of 2 |
| **Meeting No** | **Planned Meeting Date** | **Actual Meeting Date** | **Attended (Y/N)** | **Remarks (if any)** |
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| **Dissertation Supervision Meeting Summary Sheet** | | | | Sheet 2 of 2 |
| **Meeting No** | **Planned Meeting Date** | **Actual Meeting Date** | **Attended (Y/N)** | **Remarks (if any)** |
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| **Total Planned Meetings** |  |
| **Total Actual Meetings** |  |

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| **Supervisor Signature** | **Student Signature** |