**DISSERTATION SUPERVISION LOGBOOK**

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| **Institute** | Information and Communication Technology |
| **Programme** | Software Development |
| **Dissertation**  **Title** |  |
| **Supervisor** | Mr Frankie Inguanez |
| **Student** | Mr Massimo Darmanin |
| **Student ID No** | 0277596M |

**Note**

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

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| **Meeting Number : 01** | **Date of meeting : 08/10/2021** |
| **Issues discussed at the meeting (*to be filled in by Student*)**  **TODO** | |
| **Supervisor recommendations (*to be filled in by Supervisor*)**  1 - Revise the code and work, will check to debug the visualisation  2 - Obtain data for months of March, April, May for years of 20117-2021  3 - Create a git repository and share with me (mcast email) | |

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| **Date of Next Meeting** | **Student Signature** | **Supervisor Signature** |
| 15/10/2021 |  |  |

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| **Meeting Number : 02** | **Date of meeting : 15/10/2021** |
| **Issues discussed at the meeting (*to be filled in by Student*)**   * **Repository** * **Official Documents** * **Dataset** | |
| **Supervisor recommendations (*to be filled in by Supervisor*)**   * Thanks for repository * Check official documents * Well done on dataset gathering. Complete to have also for 2017 (2017-2021). Start identifying which products have Malta without clouds. * Python environment and setup ready * For next week we shall focus on R code to identify issue and fix. Then start migrating to python. * Identify articles over the study period, to find situations when extreme weather (hot or cold) was reported for a specific month. Our research shall investigate whether the same observations can be made, and whether a contribution can be made. * Research any publication/article that argue that urban areas are hotter than rural. We can consider a study of the land temperature difference between the rural and urban zones in Malta (& Gozo). | |

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| **Date of Next Meeting** | **Student Signature** | **Supervisor Signature** |
| 29/10/2021 |  |  |

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| **Meeting Number : 03** | **Date of meeting : 29/10/2021** |
| **Issues discussed at the meeting (*to be filled in by Student*)**  Progress update | |
| **Supervisor recommendations (*to be filled in by Supervisor*)**  Well done on script to index products  Well done on downloading 2017 products yet double check to confirm that they are working properly  Download SNAP and QGis  Follow the tutorial here and visualize LST and Clouds layers in QGIS for Malta. Remember to reproject CRS to 4326 both in SNAP and in QGIS. <https://www.youtube.com/watch?v=GbQOZJC6Jgc>  Attempt to use the script used so far, to reproject product, extract cloud\_in layer and export to visualize. This will allow you to determine if clouds are present or not.  Well done on finding articles documenting events of extreme heat or cold. | |

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| **Date of Next Meeting** | **Student Signature** | **Supervisor Signature** |
| 22/11/2021 |  |  |

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| **Meeting Number : 04** | **Date of meeting : 22/11/2021** |
| **Issues discussed at the meeting (*to be filled in by Student*)**  **Progress Update**  **Bug Fix**  **CSV To do** | |
| **Supervisor recommendations (*to be filled in by Supervisor*)**  Continued to download more data.  Consider the .transpose() method for the pandas dataframe.  Consider exporting all data in a csv containing date, longitude, latitude and temperature.  Focus on literature review. | |

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| **Date of Next Meeting** | **Student Signature** | **Supervisor Signature** |
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| **Meeting Number : 05** | **Date of meeting : 16/12/2021** |
| **Issues discussed at the meeting (*to be filled in by Student*)**  **Overleaf**  **Write-up sequence** | |
| **Supervisor recommendations (*to be filled in by Supervisor*)**  Fixed overleaf sharing of template. Start drafting, will assist if errors and warnings arise.  Recommended sequence of write-up is: lit rev, res meth, disc of res, con, int, abs  The focus of your lit rev should not be on what the satellite is and how it works but rather on how it is being used for research purposes and to the general benefit. You can assume that the reader has a base knowledge on the subject matter, if not they are responsible to gather that information from sources other than your dissertation. | |

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| **Date of Next Meeting** | **Student Signature** | **Supervisor Signature** |
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| **Meeting Number :** | **Date of meeting :** |
| **Issues discussed at the meeting (*to be filled in by Student*)** | |
| **Supervisor recommendations (*to be filled in by Supervisor*)** | |

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| **Date of Next Meeting** | **Student Signature** | **Supervisor Signature** |
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