

ANL488 BUSINESS ANALYTICS APPLIED PROJECT

**Project Final Report – Grading Form**

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| Name of Student: | ERNEST PEK JUN WEI | Sem: | | B1981095 |
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| Name of Marker: | Munish Kumar |  | M2090099 | |
| (Supervisor) |  |  |  | |
| Project Title: | Forecasting Singapore's Energy Landscape: An Analysis of Consumption, Capacity, and Surplus/Deficit Using SARIMA Models, Linear Regression, and Monte Carlo Simulations | | | |

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|  |  |  | **Supervisor** | **Second Marker** | |
|  | **Course Learning Outcomes** | **Project Report Components**  (60% of total marks for ANL488) | Mark Allocation (out of 100) | Mark Allocation (out of 100) | |
| 1. | Apply appropriate business analytics techniques to the business analytics problem, including conducting business understanding, data understanding, data preparation, modeling, evaluation and deployment. | Relevant and adequately developed chapters for Introduction, Literature Review, Data Understanding and Preparation. | 14/20 | /25 | |
| 2. | Appraise relevant references to the selected business analytics project topic to form the literature review. |
| 3. | Apply appropriate business analytics techniques to the business analytics problem, including conducting business understanding, data understanding, data preparation, modeling, evaluation and deployment. | Appropriate modeling/research methodology as well as logical and adequately developed results/evaluation. | 15/20 | /25 | |
| 4. | Recommend courses of action through an appropriately written project report. | Succinct abstract and well written report including usage of good grammar. | 13/20 | /25 | |
| Logical and adequate discussion/recommendation/  conclusion. | 15/20 | /25 | |
| 5. | Implement the project proposal | Adequate progress from proposal, oral presentation to final report. | 15/20 | - | |
|  |  | TOTAL | 72/100 | /100 | |
| **Comments**  Ernest wrote an excellent thesis, using 3 different machine learning and and science techniques. His technical skills are formidable, especially if you understand how much data wrangling, he did. I cannot fault him there.  However, his thesis was written like a lab report. I think this was the only downside to the work. He did not describe any of the mathematical forms (RMSE for example) nor highlight how he made the judgment that his results were good. Basically, I was looking for sensitivities to be run.  Still his thesis was superb and thus his awarded grade | | | | |

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| Signature: | A picture containing text  Description automatically generated | Date: | 090523 |

**Notes for markers of Project Final Report:**

**Variability Chart for Score**





Note to all markers of ANL488:

1. The overall mean mark is 71 for both the Oral and Final Report. We should aim for a mean mark of 65 to 70 with the exceptional students scoring around 75.
2. For those students who have not done enough work for either the oral or the final report, you can ask them to extend for another semester.
3. Markers whose mean is above or below the overall mean should aim to bring it more in line with the overall mean of 71.

When downloading the final report for marking from the respective ANL488 T group in Canvas via Assignments -> FINAL\_REPORT, check those whose **similarity score is above 30%** to see if there is plagiarism (look for 2 whole paragraphs that are copied wholesale without amendment). Please gather the evidence and put it in a word document and send it to the Course Coordinator and Mechelle for their necessary action.