

## Computer Science Project Weekly Progress Report

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Student ID	21647381
Master/Major	Master of computing/Cybersecurity
Supervisor	Muhammad Hasan
Project Title	Phishing detection and awareness platform
Group Number	group 8
Reporting Week	<b>Week From 01 / 08 / 25 To 07 / 08 / 25</b>

*What is your own assessment of your progress this week?*

Excellent	Good	Fair	Poor	No Progress
X				

*Breakdown of the time spent on the project for this reporting week (add more rows if needed). If you are part of a team, be specific to what you actually did.*

Activity	Number of hours (indicative)
<i>Group discussion</i>	1
<i>Cleaned data and checked dataset loading in Jupyter/Anaconda</i>	1
<i>Ran exploratory data analysis (EDA) and feature statistics</i>	1
<i>Generated and saved class distribution/feature importance charts</i>	1.5
<i>Generated correlation heatmap and risk assessment markdown</i>	1
<i>Designed and documented KPI framework in notebook</i>	1
<i>Trained baseline Random Forest model and output evaluation</i>	2
<i>Debugged model/code errors and corrected plotting/data issues</i>	1
<i>Compiled results, organized report sections, exported as PDF</i>	0.5
<b>TOTAL</b>	<b>10 (hours)</b>

*Note that as per the unit outline, you are expected to spend at least 8 quality hours per week on this project unit, very much like any 25-credit unit you are studying.*

### Highlights of the achievements made this week:

- Highlight 1: All analysis datasets were successfully loaded and cleaned in Jupyter, with feature counts and class label balance confirmed, and updated visualizations were generated.
- Highlight 2: Trained and evaluated a baseline Random Forest classifier on numeric features from Dataset 2. Presented comprehensive classification results (precision, recall, F1-score, ROC-AUC) and confusion matrix, addressing project KPIs.
- Highlight 3: Synthesized risk assessment (class imbalance, skewed features) and documented mitigation strategies (class weighting, SMOTE), then exported the updated notebook as a professional PDF report.

**Further detail to report to your supervisor, please include any concerns you may have:**