TEMPLATE FOR **INVESTIGATION REPORT** *v31jul2018*

FOR **(CSDA) FYP SEMESTER 2**

Cover Page

Acknowledgement

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          Briefly describe what the reader will find in each of the chapters - be sure to mention the key points / findings that are there.

1.8 Project Plan

Project Plan for FYP Semester 1

CHAPTER 2: LITERATURE REVIEW

Materials should be from academic publications, journals, conference proceedings and books as far as possible.

2.1: Introduction

2.2: Domain research

2.3: Comparison on existing study and/or System(s) - (with similar features)

2.4: Summary

CHAPTER 3: TECHNICAL RESEARCH

3.1: Programming language chosen (Provide at least two (2) for comparison purpose) – (this section is optional)

3.2: IDE (Interactive Development Environment) chosen

3.3: libraries chosen / Tools chosen

3.4: Database Management System chosen (Provide at least two (2) for comparison purpose) – (this section is optional)

3.5: Operating System chosen

3.6: Web Server chosen - (this section is optional)

3.7: Web browser chosen - (this section is optional)

3.8: Summary

CHAPTER 4: METHODOLOGY

4.1 Introduction

4.2 Methods

Identify the right methodology (Show the detail approach utilized in this study)
- Data selection
- Data pre-processing
- Transformation
- Modelling (Algorithms)
- Evaluation metrics.

NOTE: All the phases should contain detail explanation along with the proper justification on the methods / techniques used. Application of these techniques should be presented in Chapter 5.

4.3 Summary

CHAPTER 5: DATA ANALYSIS

5.1 Introduction

5.2 Initial data exploration (Data Summary - Individual attributes measurement scale, STD, Missing values, Frequency, etc.)

5.3 Data Cleaning (Missing values, Outliers, Transformation, Normalization, Data Reduction)

5.4 Data Visualization (Univariate, Bivariate, Multivariate)

5.5 Hypothesis (If applicable)

5.6 Reports and Dashboard (If applicable)

5.7 Modelling/Data driven product (Implementation with detail explanation on the optimization or techniques employed in the model construction)

5.8 Summary

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CHAPTER 6: Results and Discussion

6.1 Introduction

6.2 Results and discussion (Should highlight the performance of the model using different evaluation metrics and compare your accuracy with existing studies)

CHAPTER 7: CONCLUSIONS AND REFLECTIONS

What was achieved at the end of the project?

Were you able to do enough investigation / research with regards to what you want to achieve?

Were there any gaps in your research and design – areas where you may want to further explore and improve?

REFERENCES

This is a reference list, so every source listed here must have a corresponding citation in the body of the report.

APPENDICES

First 2 pages of turnitin report.

FYP Poster - A3 size (colour)

Log sheets (a minimum of 6 meeting log sheets; 3 for semester 1 and 3 for semester 2)

PPF (Photostat copy)

PSF (Photostat copy)

Ethics form (Photostat copy)

Gantt chart for the whole FYP (detailed)