TEMPLATE FOR FYP - **FINAL REPORT** v12122017

FOR **(TC) FYP SEMESTER 2**

Cover Page

Acknowledgement

TABLE OF CONTENTS

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 2

CHAPTER 2: COMPANY BACKGROUND AND STRUCTURE

Describe the company or industry that will use the system. Key points to cover include business activities, size, location, mission and vision, products and services.

CHAPTER 3: LITERATURE REVIEW

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

3.1: Introduction

3.2: Domain research

3.3: Similar System/s (with similar features)

3.4: Summary

CHAPTER 4: TECHNICAL RESEARCH

4.1: Programming language chosen (Provide at least two (2) for comparison purpose) – (Optional)

4.2: IDE (Interactive Development Environment) chosen

4.3: libraries chosen / Tools chosen (Optional)

4.4: Database Management System chosen (Provide at least two (2) for comparison purpose) – (Optional)

4.5: Operating System chosen

4.6: Web Server chosen (Optional)

4.7: Web browser chosen (Optional)

4.8: Summary

CHAPTER 5: BUSINESS CASE

Select the relevant or necessary business analysis methods/tools/techniques. Example

- Business Environment – PEST, PESTEL or STEEP
- Industry Environment – Porter 5 Forces
- Internal – SWOT (current system or company), McFarland, Value Chain, Balanced ScoreCard, or Earl Multiple Methodology (Critical Success Factors, Audit Grid, Inside Out).

CHAPTER 6: SYSTEM DEVELOPMENT METHODOLOGY

- Identify the system development methodology you have chosen (Provide at least two (2) for comparison purpose)
- Justify your selection
- Describe the system development methodology
- Give an overview of the diagrams associated with the methodology
- Give a brief overview of how this project will proceed
  (Select one right system development methodology)

CHAPTER 7: RESEARCH METHODS

7.1: Introduction

- Explain how your data gathering and analysis will help you with the quality of your

- Project deliverables.
- Focus on methods that are appropriate for the research problem, and why
- You selected the ones you will use.
  (Select at least one (1) right data collection method and explain about it with justification. You may use more than one method.)

7.2 Design

- Observation: describe the actions / tasks to be observed and the objective for each item or group of items on the observation checklist.
- Questionnaire, survey, interview, focus groups: describe the questions to be asked
- And their objectives.
- Ensure that questions, checklists, and experiment descriptions pertain to the project – what you intend to do - and are not generic in nature.
- Meet your supervisor along with printed copy of your Ethics form and your Observation checklist / Questionnaire / Interview questions

7.2 Summary

CHAPTER 8: REQUIREMENTS VALIDATION

8.1 Analysis of Data

8.1.1 Analysis of data collected through Questionnaire (if you have collected research data using this method)

8.1.2 Analysis of data collected through Interview (if you have collected research data using this method)

8.1.3 Analysis of data collected through Observation (if you have collected research data using this method)

8.1.4 Analysis of data collected through any other method

8.2 Summary

Relate how the findings of the various research methods applied affected your decision to either retain the requirements or make changes to them. Provide examples from your findings to support your decisions.

CHAPTER 9: SYSTEM ARCHITECTURE

9.1: Introduction

Describe the core features and elements of the system. (1 ~ 2 pages)

9.2 Abstract Architecture

9.2.1: System design (it should be very detailed) use-case diagram, specification, class-diagram, activity-diagram, sequence diagram)

Or

(Context diagram, DFD – Level 0 and DFD Level 1)

9.2.2: Database design (Ignore this section, if your FYP does not require any DBMS)

9.2.2.1: Entity relationship diagram (ERD)

9.2.2.2: Database table structure

9.2.3. Interface design (storyboard) – should be very detailed (use either MS Paint- http://windows.microsoft.com/en-us/windows7/products/features/paint or Pencil - http://pencil.evolus.vn/)

9.2.3.1 Interface for i.e. sign-in.php

9.2.3.2 Interface for sign-up.php

9.2.3.3. Interface for ….

CHAPTER 10: PROJECT PLAN

10.1 Features

10.1.1 Feature 1.

10.1.2 Feature 2.

10.1.3 Feature ……..

10.2 Details of the release plan

10.2.1 Version 1.0 of your project title

The version 1.0 of your project will be released in the first week of Feb-2018. That release would have the following functions, which includes ….

10.2.2 Version 2.0 of your project title

The version 2.0 of your project will be released in the 2nd week of Feb-2018. That release would have the following functions, which includes ….

10.3 Test Plan

Describe your test-driven development strategy

10.3.1 Test plan for unit testing

10.3.2 Test plan for User Acceptance Testing

CHAPTER 11: IMPLEMENTATION

11.1 Screenshots

11.1.1 Screenshots for i.e. home page (home.aspx)

11.1.1.1 Description

11.1.1.2 Screenshot

11.1.2 Screenshot for sign-in page (sign-in.aspx)

11.1.2.1 Description

11.1.2.2 Screenshot

11.1.3 Screenshot for sign-out page (sign-out.aspx)

11.1.3.1 Description

11.1.3.2 Screenshot

11.1.3 Screenshot for …

11.1.3.1 Description

11.1.3.2 Screenshot

(Should be very detailed. 2 screenshots per page and do it for all important forms or pages)

11.2 Sample codes (at least for 3 programs)

11.2.1 Sample codes written for i.e. sign-in.aspx

11.2.2 Sample codes written for sign-up.aspx

11.2.3 Sample codes written for sign-out.aspx

CHAPTER 12: SYSTEM VALIDATION

12.1: Unit testing (very detailed and do it for all programs)

12.1.1 i.e. sign-in.php

12.1.2 i.e. sign-out.php

12.1.3

13.2: User acceptance testing (very detailed and a minimum of 3 right users should have tested your systems)

13.3: Summary

CHAPTER 13: CONCLUSIONS AND REFLECTIONS

13.1: Critical evaluation (it must be very detailed – a minimum of 2 pages)

13.2: Conclusion

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 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)