SDD DOCUMENT PART 1 AND PRESENTATION

COURSE	:	**SOFTWARE DESIGN WORKSHOP**
COURSE CODE	:	**BCS2343**
COURSE COORDINATOR	:	**ROHANI BINTI ABU BAKAR**
DATE	:	**2ND – 20TH DECEMBER 2024**
DURATION	:	**3 WEEKS**
SESSION/SEMESTER	:	**SESSION 2024/2025 I**

INSTRUCTIONS TO STUDENTS:

1. This assessment paper consists of **TWO (2)** questions. Answer **ALL** questions.
2. This assessment should be done in a group with **4 members** per group.

APPENDIX:

1. Appendix 1 – Open Tender BCS2233 2023/2024 II Document
2. Appendix 2 – Template SDD Document
3. Appendix 3 – Rubric SDD Document Evaluation Part 1
4. Appendix 4 – Rubric Informal Review
5. Appendix 5 – Rubric Formal Review

DO NOT TURN THIS PAGE UNTIL YOU ARE TOLD TO DO SO

This assessment paper consists of **FOUR (4)** printed pages including the front page.

CASE STUDY

Read the given case study and answer ALL question.

Appendix 1 shown the **Open Tender BCS2233-2023/2024-II** document. Based on that document, EACH group member needs to choose ONE functional requirement, which are:

1. Manage Users
2. Manage Appointment
3. Apply Topic/Title
4. Manage Time Frame and Quota

QUESTION 1 [80 MARKS]

Based on the given case study, develop a **Software Design Document (SDD)** using template in Appendix 2. Implement your proposed design and database to apply the given requirements to develop a web-based application. You may use any programming languages and database management system to develop the web-based application. The **criteria for SDD** should follow the guidelines below:

1. Propose a design solution based on the given requirement. Students are also allowed to propose a new or enhanced requirement to make it more executable.

2. The design solution must be an object-oriented design solution, based on any design pattern.

3. The student may implement any architecture design or pattern for the proposed solution; however, the selected architecture design or pattern must be able to implement an object-oriented design solution.

4. Students are also required to design a database based on the data models gathered from the requirements.

5. Students are required to implement the proposed solution into a workable application. The workable application should be traceable to design solution for validation purpose.

6. **The student needs to complete Chapter 1, Chapter 2, and Chapter 3 only for SDD Part 1 submission.**

Refer **Appendix 2** - Template SDD Document

    Appendix 3 - Rubric SDD Document Evaluation Part 1 (Chapter 1,2 and 3)

QUESTION 2 [40 MARKS]

The informal review (week 10) and formal review (week 14) will be held to assess the documents and deliverables. Each member is responsible for presenting their work. Not attending these sessions, a **zero (0) mark will be given.**

Refer **Appendix 4** – Rubric Informal Review Evaluation

Appendix 5 – Rubric Formal Review Evaluation

END OF QUESTION PAPER