PSP0201 Mini IT Project
Term 2230, Trimester 3, 2022/2023
Project Guidelines

1. TASKS

- Your group is developing a GUI Course Registration app using tkinter. A course contains course title, class time, lecturer, capacity, etc.)
- The minimum features for passing this subject are as follows:
    - User authentication
    - Admin can create/remove/update students.
    - Admin can create/remove/update courses.
    - Student can browse courses offered.
    - Student can register courses.
    - Students can view his timetable.
- The additional features for getting a better grade are as follows:
    - Student can view all students in a class.
    - Class capacity checking (reject registration for a full class)
    - Detection of clashing classes
    - Rank classes by popularity
    - Password encryption
    - Store data in a database
    - Any other advance features

2. GROUPING

- This is a GROUP PROJECT with THREE (3) students per group.
- Students shall form a group only after mutual agreements among the students.
- All students in a group must be under the SAME TUTOR.

3. WEEKLY ACTIVITIES AND DELIVERABLES

- Every group must submit the weekly deliverables to a website specified by the tutor.
- Every group must meet the tutor weekly to present their work deliverables.

Week No	Student Activities	Deliverables
1	1) Form a group of 3 students. 2) Set weekly meeting time(s) among group members. 3) Write up a short report listing down the group member, project problem statements, and project objectives. 4) Learn Tkinter course together.	
2	1) Have group meeting(s) to update the progress and deliverables. 2) Continue learning Tkinter course together. 3) Develop the app.	1) Meeting Log #1 [5m] 2) Discuss your proposal with your tutor. 3) Present your app to the tutor if there is time.
3	1) Continue developing the app.	1) Meeting Log #2 [5m] 2) Present your app to the tutor.

	2) Have group meeting(s) to update the progress and deliverables.	
4	1) Continue developing the app. 2) Have group meeting(s) to update the progress and deliverables.	1) Meeting Log #3 [5m] 2) Present your app to the tutor.
5	1) Continue developing the app. 2) Have group meeting(s) to update the progress and deliverables.	1) Meeting Log #4 [5m] 2) Present your app to the tutor.
6	1) Continue developing the app. 2) Have group meeting(s) to update the progress and deliverables.	1) Meeting Log #5 [5m] 2) Present your app to the tutor.
7	1) Draw 3 flowcharts based on 3 functions in the app: a) A flowchart for a function with control structures (if/else). b) A flowchart for a function with iterative structures (loop) c) A function for a function with nested control and iterative structures. 2) Have group meeting(s) to update the progress and deliverables. 3) Finishing the app. 4) Write up the final report. 5) Final submission by Sunday 24 Sep 2023	1) Meeting Log #6 [5m] 2) Present your flowcharts to the tutor.
8	1) Prepare for presentation	1) A final report (30%) 2) A presentation (10%) 3) A final app (30%)

4. ASSESSMENTS & RUBRICS

I – Project Implementation (50%)

Week 3 deliverables	5%
Week 4 deliverables	5%
Week 5 deliverables	5%
Week 6 deliverables	5%
Final app • Minimum features 10% • Additional features 10% • Program usability, user friendliness, error handling 10%	30%

Ii – Technical Report (40%)

Week 2 deliverables	5%
Week 7 deliverables	5%
Final report • Introduction, problem statement, and project objectives 5% • Design (flowcharts and its matching codes, user interface) 10% • Implementation (languages, libraries, tools, etc.) 5% • Conclusion 5%	30%

• Formatting and spelling 5%	

Iii – Presentation (10%)

Presentation quality	5%
Q&A handling	5%