BUE The British University In Egypt الجامعة البريطانية في مصر	**Coursework Brief Proofing & Printing Confirmation Sheet**	
Informatics and Computer Science		
Module Title **Software Project Management**	Module Code **23CSCI08I**	
Module Leader **Prof. Vladimir Geroimenko**	Semester **One**	
Proofed by **Dr Doaa El-Zanfaly**		

I hereby confirm that:

- This coursework brief has been proof-read (spelling and grammar) $*$

- This coursework brief assesses the ILOs for the module $*$

- This coursework brief follows the approved template $*$

- All questions (and sub questions) have their marks specified $*$

Signed (Proofreader):   Dr Doaa El-Zanfaly

Signed (Module Leader): Prof. Vladimir Geroimenko

	Module Code: **23CSCI08I**
BUE The British University In Egypt الجامعة البريطانية في مصر Informatics and Computer Science	Assessment Title: **SPM Group Project** Academic Year: **2023-2024**
Module Title: **Software Project Management**	
Module Leader: **Prof. Vladimir Geroimenko**	Semester: **One**
Assessment Weight: **40% of the module mark**	Due Date: **Detailed below for each of 3 phases**

Project Specification:

You are required to form **a group of four students**. Each student in the team will play the following two roles:

1. *A phase manager role:* He/she is responsible for planning and managing the development of one of the SDLC phases (analysis, design, implementation or testing) that are carried out by the other three team members;

2. *A team member role:* He/she is responsible for (possibly partial) implementation of the tasks assigned by the managers;

For example, if you choose to play the role of the design manager, you are required to make a plan for the design tasks, distribute these tasks among the other three team members, monitor and report their progress. At the same time, you will be a team-member in the analysis, implementation, and testing phases of the project.

Project Deliverables:

Date	Deliverable	Marks
Week 3	Project Proposal	15%
Week 8	Project Initial Plan	35%
Week 11	Final report (along with a partially developed system)	35%
Week 12	Presentation/ Discussion (10-20 slides if required)	15%

Specific details of each of this project deliverables will be given in due time.

Assessment and Feedback:

- Marking criteria will be attached to each phase specification;

- Generic comments after each phase submission will be posted on e-learning if and where needed;

- Written specific feedback will be sent to each group and discussed during sessions dedicated to submissions review;

Marking and Feedback Schedule:

Due Date	Deliverable	Marked by	Submission review
Week 3	Phase 1: Project Proposal	Week 5	Week 4/5
Week 8	Phase 2: Project Initial Plan	Week 10	Week 10
Week 11	Phase 3: Final report (possibly along with a partially developed system)	Week 13	Week 13
Week 12	Presentation/ discussion		

<u>Guidelines:</u>

- It's up to the project team to decide on the appropriate Project Management Method, System Development Methodology, and the technology to be used (like programming languages and/or database management systems), but you need to justify your choices in the project's initial plan. The project has to be of a suitable size and is subject to the approval of the instructor.

- Templates must be used to present your work. There are many SPM templates available on the Web. We will use the IEEE/ PRINCE2 templates for this project.

- Each project group will meet three times during the term with the TA to access project progress. In addition, one final meeting/presentation will be scheduled. These meetings will be 10-15 minutes long, and **all the project members must attend and be prepared for the meetings.** Meeting minutes are required to be included in the final report.

- Presenting someone else's work as your own is plagiarism. If your work appears to be identical to that of another student, or it contains material copied from a book, journal or the Internet without proper referencing, it will be considered as a plagiarism case, and the student may receive an "F" for the entire project.

	Module Code: **23CSCI08I**
BUE The British University In Egypt الـجامعـة الـبريطانيـة في مصر Informatics and Computer Science	Assessment Title: **Project – Phase 1**
	Academic Year: **2023-2024**

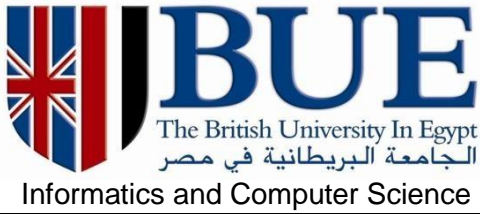| Module Title: **Software Project Management**	
Module Leader: **Prof. Dr Vladimir Geroimenko**	Semester: **One**
Assessment Weight: **15% of the coursework mark**	Due Date: **The end of teaching week 3**

You are required to submit a project proposal that contains the following:

1. A cover page with the project title and the names and IDs of 4 team members;

2. Project scope and objective (as detailed as possible);

3. Assumptions and constraints;

4. Adopted SPM method, software development methodology, required infrastructure and technology;

5. Project deliverables;

6. Team Organizational Structure throughout the project;

Project Proposal Marking Schema

Group Work (15%)

Deliverables	Mark
Using IEEE template correctly	1
Purpose and Scope of the project (in details)	4
Project Objectives (at least 3 bullet points)	3
Assumptions and Constraints (at least 4 bullet points for each)	2
Project Deliverables (for each SDLC phase) and expected delivery time	2
Project roles and responsibilities (at least 3 points for each member)	1
Methods, tools and techniques (with justifications)	2
Total	**15**

	Module Code: **23CSCI08I**
BUE The British University In Egypt الجامعة البريطانية في مصر Informatics and Computer Science	Assessment Title**: Project – Phase 2**
	Academic Year**: 2023-2024**

Module Title: **Software Project Management**	

Module Leader: **Prof. Dr Vladimir Geroimenko**	Semester: **One**

Assessment Weight: **35% of the coursework mark**	Due Date: **The end of teaching week 8**

Each phase manager within a group is required to develop and document a detailed plan for the phase he/she is managing. An integrated plan for the whole project should be done by the whole group to coordinate or deliver activities **if needed.**

Your plan should include the following for the project as a whole, and/ or for each development phase (analysis, design, implementation, testing) as appropriate:
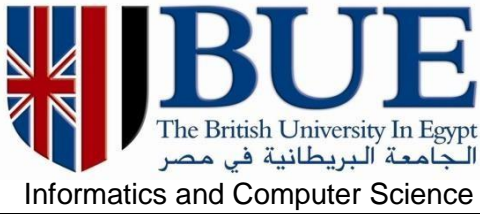
- WBS or PBS (Every phase manager needs to submit it for their phase)
- Each team member has to choose two activities or products from the implementation stage, and provide an estimation for activity **size**, **effort** required, **cost** of activity.
- Identify the numbers and type of staff required for the two activities/products. Include any special skills or experience that the staff allocated to a task needs to have.

Please note that **you have to** submit your work in the **IEEE or PRINCE2 template**. Fill in the required sections of IEEE or use the supplied PRINCE2 documents.

Project Plan Marking Schema

Individual Work (35%)

ID	Name	WBS/ PBS (15)	Estimation (15)	Resource Allocation (5)	Total (35)	Comments

	Module Code: **23CSCI08I**
![BUE - The British University In Egypt - الجامعة البريطانية في مصر] Informatics and Computer Science	Assessment Title: **Project – Phase 3**
	Academic Year: **2023-2024**

Module Title: **Software Project Management**	
Module Leader: **Prof. Dr Vladimir Geroimenko**	Semester: **One**
Assessment Weight: **50% of the coursework mark**	Due Date: **The end of teaching week 11**

Each phase manager, within each group, is required to develop and document a schedule and a risk assessment for the phase he/she is managing.

Each group is to deliver the final report of the project. This report has to follow a standard industry template (IEEE or PRINCE2) and has to include the items detailed on the next page.

Quality not quantity. Marks will be awarded for using the methodologies and tools, according to their appropriateness in your case, not for the complexity of the business scenario or unnecessary details included.

Requirements for Phase 3:

1. A cover page with project title, student names and IDs;
2. Table of contents;
3. Revised work from stages 1 & 2 (Group);
4. Schedule for each phase
   a. Precedence table for all project phases (Group)
   b. CPM network for each phase (Individual)
   c. Gantt chart for each phase (Individual)
5. Risk assessment for each phase (Individual)
   a. Table of up to 5 possible risks that could happen in the phase in general or to any certain activity within the phase in particular;
   b. Risk leverage and contingency plan for 2 risks of the identified risks;
6. Risk Planning
   a. For 2 activities in each phase, find out the expected time (most likely, pessimistic and optimistic times). (Individual)
   b. For these 2 activities, calculate the PERT equations: expected duration & standard deviation. (Individual)

Marking Schema

(50%)

Name	Revised work [Stage 1] (5)	Schedule (15)	Risk Assessment (13)	Risk Planning (7)	Discussion (10)

1) Schedule (15 Marks)

Name	Precedence Table (5)	CPM Network (5)	Gantt chart (5)	Comments

2) Risk Assessment (13 marks)

Name	Possible Risks (5)	Leverage for 2 risks (4)	Contingency Plan for 2 risks (4)	Comments

3) Risk Planning (7 marks)

Name	Expected times,.. (3)	PERT equations for 2 tasks (4)	Comments