SECP1513-02 TECHNOLOGY AND INFORMATION SYSTEM
ASSIGNMENT 3 : ACADEMIC WRITING

TITLE: Project Management and System Development

GROUP 4 MEMBERS:

No.	Name	Matric No.
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1.0 SPEAKER'S EXPERIENCE

The industry talk on Project Management and System Development was delivered by Ts. Hj. Abdul Alim Bin Abdul Muttalib, an alumnus of Universiti Teknologi Malaysia (UTM) who graduated around 2014-2015. He has ventured into several companies and currently serves as the Head of Technology and Innovation at Serunai Commerce Sdn.Bhd, where the organisation is focused on producing solutions to address concerns about the halal status of products.

2.0 PROJECT MANAGEMENT AND SYSTEM DEVELOPMENT

Project management involves planning, managing and implementing tasks to achieve a specific objective. It is important in controlling chaos and enforce team synergy, where the skills help to coordinate with designers, testers and other developers effectively. Proper planning also needed to avoid chaos and ensure the project outcome is successful. Without it, the process to complete the task may take a longer time. Some of the core elements are defining project scope, identifying outcomes, managing risks and effective communication across teams. (Project Management Institute, 2025)

System development is a process of defining, designing, testing and implementing a software application. The phases of the System Development Life Cycles (SDLC) are planning, analysis, design, development, testing, implementation and maintenance. The methodologies are waterfall and agile. Waterfall methodology is a linear and sequential approach where each phase must be finished before starting the next. In contrast, agile methodology is an iterative approach where work is broken into small "sprints".

3.0 APPLICATION IN COMPUTING PROGRAM

Project Management practice of planning, organizing, and executing the tasks needed to turn a brilliant idea into a tangible product, service, or deliverable (Martin, 2025). In the Computing Program, this concept ensures that the tasks are systematically structured from data collection, transformation and storage to analysis and visualization.Planning involves defining project requirements and workflows, organizing assigned roles and resources, and executing tasks such as coding, testing, and system integration. Applying these project management principles allows computing students to transform concepts into functional applications, systems, or solutions efficiently, reliably, and within set timelines.

4.0 REFLECTION

YONG SEE EN (A25CS0168) : To be successful in computer science over the next four years, a strong foundation in core courses such as programming, database and algorithms should be built in the study. Putting effort into academics to achieve a CGPA of 4.0 by understanding all subjects deeply and doing more practice. Not only that, soft skills that are mentioned in this industry talk, such as communication skill, management skill, teamwork and problem-solving skill, are very essential. Hence, they should be practised and developed during the four years of studying at university. Attending leadership programmes and club activities or becoming a volunteer in programmes which could enhance communication skills is important.

BALQIS BATRISYA BINTI JALALUDDDIN (A25CS0196) : From this talk, I gained a clearer understanding of how important project management and system development is for a long-term career growth. In order to be successful in computer science related in the next four years, I need to build a strong foundation in computer science fundamentals, especially the core skills. I also need to develop my skills continuously and apply the SDLC stages, which are planning, analysis, designing, implementation, and maintenance from now on, hence I will be able to avoid any initial struggles during my studies.

SHASYA SHAFIEQAH BINTI SHAHARUDDIN (A25CS0350) : This talk enhanced my understanding of System Development Life Cycle (SDLC) by relating it with the real world application. It also made me realize the importance of effective project management in coordinating and assigning tasks to develop, ensuring that each phase of the SDLC is executed systematically and efficiently. Furthermore, the talk shares the key to success in the field of Computer Science over the next four years. It requires me to focus on becoming a system architect by mastering both technical and management skills, which will help me adapt to industry demands and remain relevant in this field.

5.0 REFERENCES

Martins, J. (2025, November 28). What is Project Management? Benefits, Process, and Tools [2025] • Asana. *Asana*. https://asana.com/resources/benefits-project-management

Project Management Institute. (n.d.). *What Is Project Management*. Retrieved from December 25, 2025: https://www.pmi.org/about/what-is-project-management.