UNIVERSITI TEKNOLOGI MALAYSIA

TECHNOLOGY AND INFORMATION SYSTEM ACADEMIC WRITING (SECP1513)

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DATE: 14 JANUARY 2026

1.0 PROJECT MANAGEMENT AND SYSTEM DEVELOPMENT

An industry talk on Project Management and System Development was conducted to strengthen students' soft skills for project development. The speaker emphasized that employers value not only technical skills but also the ability to manage projects effectively (Schwalbe, 2019). He shared his interview experience where he failed to explain SDLC, highlighting that SDLC is not just a theory topic but a fundamental concept in a professional career (Sommerville, 2016).

Project management involves planning, organizing, and controlling resources to ensure projects are completed on time, within scope, and within budget (PMI, 2021). Common methodologies include Waterfall and Agile. Waterfall suits projects with fixed requirements but lacks flexibility, while Agile is more adaptable to changing user needs.

System development refers to the structured process of creating information systems through planning, analysis, design, implementation, and maintenance, guided by the SDLC (Sommerville, 2016). The speaker compared it to building a house, stressing that a well-organized development process helps prevent chaos, bugs, and project failure. Integrating project management with system development ensures efficient workflows and high-quality systems (Laudon & Laudon, 2020).

2.0 REFLECTION

FADHIL ATHA RAMADHAN

From the industry talk, I realized that succeeding in the computer science field requires more than just technical skills. Strong project management, clear communication, teamwork, and a good understanding of system development processes are also essential. The talk helped me understand the importance of applying methods such as Waterfall and using AI tools wisely without over-relying on them. In the future, I plan to strengthen my fundamentals in system design and project management through group projects and coursework to better prepare myself for real-world industry challenges.

ZAKY ZULHADI

Based on the talk, I realized that building a successful career in computer science requires both technical knowledge and strong soft skills such as communication, teamwork, planning,

and project management. A clear understanding of the system development process is also essential to create systems that are effective and beneficial to society. Moving forward, I plan to improve myself by participating in group projects and learning development approaches like Waterfall and Agile, which will help prepare me for real-world challenges in my future career.

TAN JUN CHEN

From the talk, I realized that having technical knowledge only is not sufficient to succeed in the computer science field. I also need to have soft skills like communication, teamwork, effective planning and managing the computer project as well. I need to know the complete cycle in system development so that I can produce a high quality system that can bring positive impacts in society. In the future, I aim to strengthen my technical foundation by learning more knowledge in group assignments so that I can have a deeper understanding of SDLC (System Development Life Cycle). Besides, I will emphasize the project management too as it shows the correct procedure in system development, that is Waterfall and Agile. I will be more expert in these two methods as it will help me to do my computer projects more easily when I am employed.

UMAIRAH NASUHA BINTI KAMARUDIN

From the industry talk, I learned that success in computer science requires both technical and project management skills. Over the next four years, I will focus on strengthening programming fundamentals, system design, and teamwork through academic and practical projects. I will use AI tools wisely to support learning while building strong core knowledge to prepare for real-world industry challenges.

3.0 REFERENCES

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