



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

**FACULTY OF COMPUTING**  
UTM Johor Bahru

**SECP1513-06: ASSIGNMENT 3**  
**REPORT ON SKILLS IN UNIVERSITY AND INDUSTRY**



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## **Introduction**

Recent studies show that the employed rate of fresh graduates is decreasing drastically. With limited jobs available and fierce competition among fresh graduates, it is becoming a trend for students to enhance their soft skills and technical skills if they would like to land a job. As a move to improve the quality of students, UTM DIGITAL has taken an approach to proactively sharing valuable insights and strategies to help students enhance their soft and technical skills that would make students outshine others.

## **Speaker experience**

The speech began when Mohd Haqimi Iqmall, introducing himself as the Project Manager/System Analyst and sharing his education background and working experience. He started his academic journey at Sekolah Kebangsaan Taman Universiti 1 in 2002 and completed his UPSR back in 2007. He then enrolled high school at Maktab Rendah Sains Mara Langkawi, where he sat for the PMR and SPM exams between 2008 to 2012. From 2013 to 2014, he pursued a Diploma in Science Computer (Multimedia) at Universiti Teknologi Malaysia Kuala Lumpur (UTMKL). He continued his studies at UTM Johor Bahru and achieved a Degree in Computer Science (Graphic & Multimedia) from 2014 to 2018. He got the opportunity to experience working at ME-Tech Solution Sdn Bhd in 2017 before he graduate. From 2018 to 2019, he worked at Okakichi Sdn Bhd as a game programmer and in charge in game animation. He then moved to UTM Research Computing from 2019 to 2021 and got promoted as the Project Manager/System Analyst at UTMDigital since 2021 until now. He contributed successfully in handling many projects at UTMDigital such as Payroll 2.0, SSPA System, and also Integrity System.

## **Skills in Computer Science**

The speech talked about how fresh graduates need to focus on building essential skills to stand out in today's job market. On the technical side, knowing programming languages like Python and Java, working with databases, and using tools like GitHub are key. Skills like debugging, understanding cybersecurity, and thinking analytically are also important. Just as vital are soft skills, like communicating well, working in teams, and being adaptable. Together, these skills give graduates the confidence to start their careers and meet what employers are looking for.

## **Skills in Industry**

The sector requires two different kinds of abilities: management skills and technical skills. Programming languages like Python, version control systems like GitHub, development tools like Visual Studio, database structures like primary keys, debugging systems, security awareness, logical and analytical abilities, and system frameworks like Laravel are a few examples of technical capabilities.

Meanwhile, problem-solving, communication, SDLC methodology expertise, testing and quality assurance (QA) abilities, risk management, documentation and reporting, leadership and teamwork are examples of management skills. Both skills are important to success in IT field.

## **Conclusion**

In conclusion, Mohd Haqimi Iqmall emphasized the importance of both technical skills and management knowledge in the IT industry. His strong educational background and diverse work experiences have contributed to his success. He advised fresh graduates to focus on acquiring essential programming, database handling, and security skills, along with soft skills like communication, teamwork, and adaptability. These skills are crucial for navigating the job market and achieving success in the tech

industry. Mohd Haqimi Iqmall's career is an inspiring example of how combining technical and managerial training can lead to significant achievements and contributions in the IT world.

**Reflection: How will you be successful in computer science in the next four years?**

**ADLYN NATASYA**

I do believe to be successful in the Computer Science in next four years by creating network with seniors and mentors. With that, I can refer to them through my academic and career journey.

**MD. FARHAN MAHTAB**

I realize the importance of balancing technical and soft skills to meet industry demands. I plan to continuously improve in both areas to ensure I am well-prepared for future opportunities.

**NUR ALYA IZZATI**

To be successful in Computer Science over the next four years, I need to have a strong foundation and knowledge. Therefore, I will keep myself updated with technological advancements and revise everything I have learned to gain a better understanding.

**ADAM HARITH**

In the next four years, I will focus on enhance both my technical and management skills to excel in computer science. By building a strong foundation through education and practical experience, I will be able to balance these abilities effectively. This approach will help me navigate the dynamic of the tech industry and achieve success in my career.

**M. ABDUL RASYID**

After watching the talk, I realize that there are so many things that I lack as an individual and as a student. Therefore, I must improve my existing skills while learning new things in my four years as an undergraduate student.

References

*Research Guides: Organizing your Social Sciences Research Paper: Academic Writing Style.*

(n.d.). <https://libguides.usc.edu/writingguide/academicwriting>

National University & NU Editorial Contributors. (2023, August 10). Computer science Skills:

Definitions and Examples. *National University.*

<https://www.nu.edu/blog/computer-science-skills/>

Alpine Admin. "Skills Required for Success in Computer Science (CS)." *Alpine Group of*

*Institutes*, 13 Dec. 2024,

[alpinecollege.edu.in/skills-required-for-success-in-computer-science-cs/?utm\\_source=chatgpt.com](https://alpinecollege.edu.in/skills-required-for-success-in-computer-science-cs/?utm_source=chatgpt.com). Accessed 5 Jan. 2025.

TheKnowledgeAcademy. (n.d.). *Top 12 Computer Science Skills to Boost Your Career in 2024*.

Www.theknowledgeacademy.com.

<https://www.theknowledgeacademy.com/blog/computer-science-skills/>

Vadapalli, P. (2021, January 21). *Top 10 Skills For Every Computer Science Professional in 2022*. UpGrad Blog.

<https://www.upgrad.com/blog/skills-for-every-computer-science-professional/>

“Most In-Demand Skills in IT: What Candidates Need to Know for 2025 - Allied Global.”

*Allied Global*, 20 Dec. 2024,

<https://alliedglobal.com/blog/most-in-demand-skills-in-it-what-candidates-need-to-know-for-2025>

Strauss, Daniel. “Skills and Tools: A Philosophical Perspective on Technology.” *Academia.edu*, 13 July 2018,

[www.academia.edu/37037818/Skills\\_and\\_tools\\_A\\_philosophical\\_perspective\\_on\\_technology](https://www.academia.edu/37037818/Skills_and_tools_A_philosophical_perspective_on_technology)