

# SKILLS IN INDUSTRY & UNIVERSITY

**"ESSENTIAL SKILLS  
FOR COMPUTER  
SCIENCE STUDENT"**



**Mr Mohd Hakimi Iqmall**

Pegawai Teknologi Maklumat UTMDIGITAL

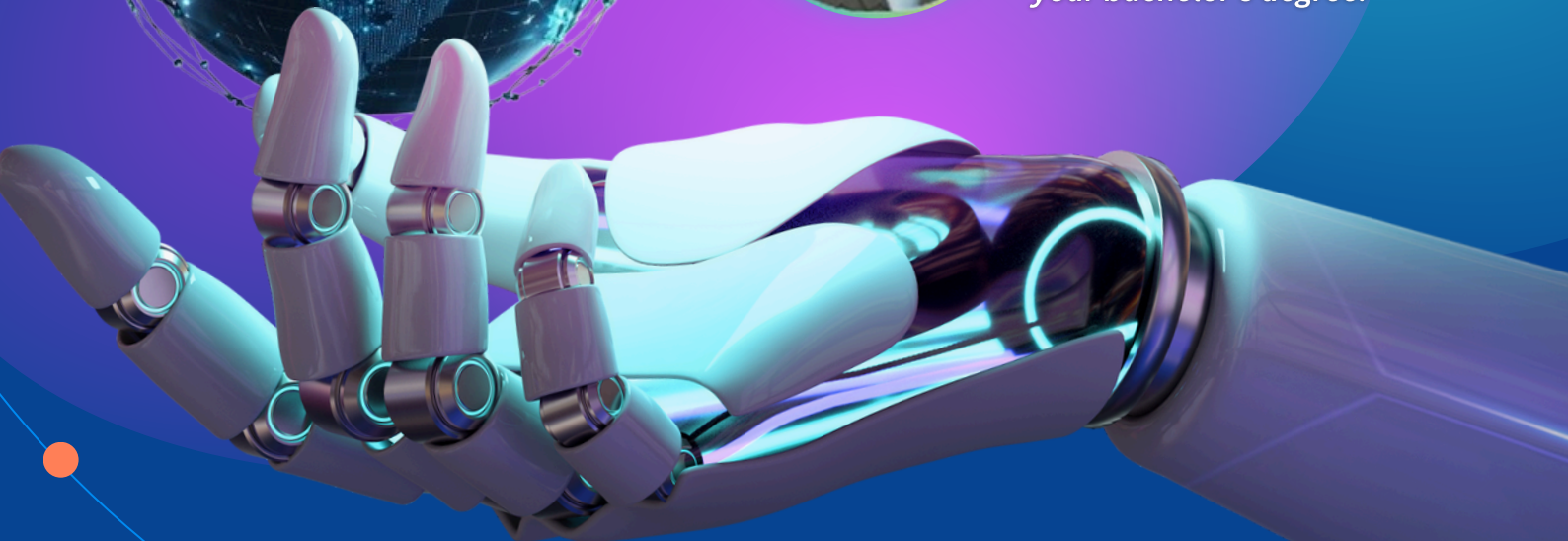
*"Be brave to challenge yourself because life begins at the end of your comfort zone."*



**Mr Nik Muhammad Habibullah**

Ketua Pegawai Eksekutif Micro Semiconductor Sdn. Bhd.

*"Don't limit yourself based on your bachelor's degree."*



## Group Members

- NUR RIHHADATUL ARIFAH BINTI MOHD NAZARUDDIN (A24CS0166)
- NURUL AIN BINTI MOHD SANI (A24CS0172)
- ABRAR ALTAG MOSTAFA NOURELGALIL (A24CS0001)
- MUTALLIB AFSHOV (A24CS0024)
- ANIKA MALIHA (A24CS4007)
- HAMZA AHMED AHMED MOHAMED ELKHOUDARY (A24CS0013)



## I. Speaker's Experience

Mr. Mohd Hakimi Iqmall, a UTM alumnus, shared his journey in computer science, starting as an intern at ME-Tech Solution Sdn Bhd, Okakichi Sdn Bhd, and UTM Research Computing. At Okakichi, he worked as a game programmer and animator, gaining valuable gaming industry experience. Now, as a Project Manager and System Analyst at UTM Digital, he leads the development of critical systems like Payroll 2.0, the SSPA System, and the Integrity System, showcasing his technical expertise and leadership.

Another UTM alumnus, Mr. Nik Mohd Habibullah bin Muhammad Nizam, shared insights from his 19-year career in entrepreneurship. Graduating with a Management Information Systems degree in 2005, he contributed to major projects, such as a video for the UTM Library's Aman Malaysia event. He later founded businesses like Micro Semiconductor Sdn Bhd and Dialysis Manager. In his talk, he introduced the IRPA method (Identify, Research, Prepare, Apply) for job hunting and entrepreneurship, emphasizing the importance of aligning personal goals with skills and education. He encouraged students to be creative, critical thinkers, and adaptable in the evolving IT and business sectors.

## II. Essential Skills for Computer Science and Industry Success

Mr. Mohd Hakimi Iqmall highlighted two key areas: **Technical** and **Management Skills**. He began with **technical skills**, which include skills in programming languages such as C++, C, Python, and Java, as well as version control tools like GitHub, which make it easy to share group projects. There was also mention of the need for development tools like VS Code and Sublime. He stresses the importance of database structure, without it, you will not go far in the field. Additionally, Mr. Iqmall pointed out that strong debugging skills are essential for reducing time spent on programming tasks, and analytical and logical thinking are crucial for solving customer issues and interacting with clients effectively.

He emphasized that everyone will eventually take on a leadership role, highlighting the importance of developing **management skills** and encouraging us to start building our character from now on. He explained the significance of problem-solving abilities when we lead, effective communication when interacting with and delivering to customers, and risk management, which he said gained through experiences. Moreover, he presses the matter of leadership and team collaboration in maintaining a harmonious work environment that leads to positive results. Mr. Nik Mohd Habibullah talked about the importance of strong communication skills. His advice was to improve and level up our skills, actively participate in activities, and seek out opportunities while still in our degree program. He encouraged us to start early, as the competition will only become more challenging in the near future. Towards the end, he introduced and explained a list of important tools and software that are commonly used in today's industry.

## III. Reflection

### NUR RIHHADATUL ARIFAH BINTI MOHD NAZARUDDIN (A24CS0166)

From the talk, I realized the importance of soft skills when we step in the working field. The speakers make me realize how I need to start developing my character and skills so I can be prepared for when I get a job in this field. I'll start joining activities that need me to use and learn new soft skills.

**ABRAR ALTAG MOSTAFA NOURELGALIL (A24CS0001)**

From the talk, I learned that communication and leadership are as important as technical skills. I'll challenge myself and take leadership roles in group projects and student organizations to build my leadership and teamwork skills.

**NURUL AIN BINTI MOHD SANI (A24CS0172)**

From the talk, I learned that adaptability and analytical thinking are essential in tech. Thus, I'll focus on improving problem-solving with practical experience through group projects and internships.

**ANIKA MALIHA (A24CS4007)**

From the talk, I now see that collaboration and problem-solving are key to success. So, to improve myself, I'll participate in group work, research projects, and hackathons to enhance these skills.

**HAMZA AHMED AHMED MOHAMED ELKHOUDARY (A24CS0013)**

From the talk, I now know that balancing technical and soft skills are essential. I'll improve my technical expertise by learning new programming languages and frameworks while enhancing my interpersonal skills through group activities.

**MUTALLIB AFSAHOV (A24CS0024)**

From the talk, I learned that starting early is the best thing to do, I need to start participating in activities and use these 4 years as the opportunity to strengthen my skills.

**IV. Reference**

Mr. Nik Habibullah (2024 December 17). Preparing for Entrepreneurship in IT Essential Skills and Strategies for University Students at Universiti Teknologi Malaysia.  
<https://utm.webex.com/recording/service/sites/utm/recording/495193b7b8d1499da9109e304e3f154a/playback>

Mr. Mohd Hakimi Iqmall, (2024 December 17). Designing Success From Graphic Multimedia to Leading Project at Universiti Teknologi Malaysia.

<https://utm.webex.com/recording/service/sites/utm/recording/495193b7b8d1499da9109e304e3f154a/playback>

Freepik. (January 24, 2025). Technology globe PNG with futuristic design.  
<https://www.freepik.com/free-photos-vectors/technology-globe-png>