

Group 1

SKILLS IN UNIVERSITY & INDUSTRY

Member's Name:

Muhammad Izzat bin Mohd.Radzi
Mukhtar Mohamed Mukhtar Abdalla
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INDUSTRY TALK

summary.

Nik Muhammad Habibullah bin Mohd Nizam, UTM alumni, shared his journey, entrepreneurial ventures, and insights into bridging university education with industry demands. He emphasized leveraging real-world experiences and challenges to develop innovative solutions.

SKILLS REQUIRED IN COMPUTER SCIENCE.

technical proficiency.

- Mastery of programming languages, such as Python, Java, and C++.
- Proficiency in designing and implementing algorithms and data structures.
- Familiarity with software development methodologies, including Agile and DevOps.

problem-solving abilities.

- Analytical thinking to break down complex problems into manageable tasks.
- Creative thinking to devise efficient and innovative solutions.

continuous learning.

- Staying updated with emerging fields, such as artificial intelligence, machine learning, and quantum computing.
- Taking advantage of online resources, certification programs, and academic research to build a strong skillset.

SKILLS REQUIRED BY THE INDUSTRY

adaptability.

Keeping up with rapidly evolving technologies, such as IoT, cloud systems, and blockchain.

industry-specific tools.

Familiarity with tools like Jira for project management, Adobe Photoshop for design, and UML for system modeling.

communication.

Proficiency in English and Malay for effective collaboration in multicultural environments.

teamwork & leadership.

Demonstrating the ability to lead teams and contribute as a reliable team member in collaborative projects.

REFLECTIONS AND REFERENCES

"The speaker's emphasis on the importance of problem-solving and continuous learning resonated deeply with me. I plan to enhance my skills by participating in coding competitions, which will challenge me to think critically under pressure. Additionally, I aim to take online courses on advanced algorithms and data structures to ensure I'm well-prepared for future opportunities in software development."

- **Muhammad Izzat bin Mohd.Radzi**

"Nik's entrepreneurial journey inspired me to step out of my comfort zone and take on leadership roles in group projects. I also realized the importance of staying updated with industry trends like cloud computing and blockchain. To achieve this, I plan to complete certifications in cloud systems and engage in startup communities to gain exposure to innovative ideas."

- **Mukhtar Mohamed Mukhtar Abdalla**

"The talk highlighted the value of practical experience in bridging the gap between academia and industry. To align my career with industry demands, I aim to secure internships in tech companies and actively participate in real-world projects. Moreover, I plan to focus on improving my teamwork skills by collaborating with peers on multidisciplinary projects, as teamwork is a critical skill in today's workforce."

- **Hamza Zacaria Mohammad Rizaq**

"Hearing about Nik's ability to leverage his university knowledge in entrepreneurial ventures inspired me to think creatively and explore opportunities in emerging fields like artificial intelligence (AI). I intend to attend workshops on AI and IoT to broaden my skillset. Furthermore, I will improve my public speaking skills by participating in debates and professional networking events to enhance my confidence in communicating ideas effectively."

- **Aditya Vivaldi Aldila**

"The talk was a wake-up call about the importance of adaptability in the tech industry. I've realized that staying stagnant is not an option in such a fast-paced field. To prepare myself, I plan to explore interdisciplinary areas such as data visualization and UX design, which combine technical and creative skills. Additionally, I aim to contribute to open-source projects, which will help me collaborate with professionals worldwide and build a diverse portfolio of work."

- **Reem Omer Ibrahim Omer**

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