



How to Succeed in IT and Industry

INDUSTRIAL TALK 2



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Speaker's Experience

Mr. Nik Mohd Habibullah Bin Nik Mohd Nizam

Highlighted his extensive background in IT entrepreneurship, emphasizing practical strategies for career readiness and success in the industry. With a career spanning multiple roles, including technical and managerial positions, he has honed expertise in guiding students and professionals towards aligning their academic achievements with industry demands. His talk underscored the significance of skills such as adaptability, research, and effective communication to thrive in an evolving technological landscape (Habibullah, 2024).

Basic Skills Required for Computer Science

Highlighted his extensive background in IT entrepreneurship, emphasizing practical strategies for career readiness and success in the industry. With a career spanning multiple roles, including technical and managerial positions, he has honed expertise in guiding students and professionals towards aligning their academic achievements with industry demands. His talk underscored the significance of skills such as adaptability, research, and effective communication to thrive in an evolving technological landscape (Habibullah, 2024).

Moreover, analytical and logical reasoning capabilities are critical for debugging and problem-solving. These skills enable students to identify and resolve issues effectively, ensuring system performance and reliability (Hakimi, 2024).

With a career spanning multiple roles, including technical and managerial positions, he has honed expertise in guiding students and professionals towards aligning their academic achievements with industry demands. His talk underscored the significance of skills such as adaptability, research, and effective communication to thrive in an evolving technological landscape (Habibullah, 2024).

Mr. Encik Mohd Hakimi Iqmall

Presented insights into the transition from academic to professional life. He detailed his journey from mastering graphic multimedia design to leading major IT projects. His experience underscored the importance of foundational skills like coding, debugging, and system design, complemented by advanced capabilities in management and risk assessment (Hakimi, 2024).

Skills Required by Industry

The industry demands a blend of technical and soft skills. Alongside technical expertise, employers prioritize communication, teamwork, and adaptability. Proficiency in System Development Life Cycle (SDLC) methodologies like Agile and DevOps is highly valued. These frameworks support collaborative project execution and risk management throughout the project lifecycle (Hakimi, 2024).

Additionally, industries emphasize the importance of cybersecurity awareness, which includes knowledge of intrusion detection, encryption, and secure coding practices. Professionals must also stay updated on emerging trends and tools to remain competitive, such as frameworks like React and Laravel, and platforms like Firebase for backend support (Habibullah, 2024).

In conclusion, the speakers highlighted the necessity for university students to proactively develop technical expertise alongside essential soft skills. By embracing a mindset of continuous learning and adaptability, students can successfully bridge the gap between academic preparation and industry expectations.

References:

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Habibullah, N. M. H. (2024). Preparing for Entrepreneurship in IT. UTM.

Hakimi, (2024). Sharing Session: From Graphic Multimedia to Leading Projects. UTM.



Reflections

How will you succeed in computer science over the next four years?

MS
2
TALK
INDUSTRIAL
ENGINEERING

AHMAD MOHAMMAD MAZEN ALYASIN
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To excel in network security, I plan to sharpen my skills in configuring firewalls, VPNs, and IDS systems through hands-on training, internships, and real-world projects. These experiences will provide practical exposure to securing diverse network infrastructures while keeping pace with.

NAIF ABDULALEM SAIF AL-BAIDAH
A24CS4030

I'm focused on mastering cybersecurity principles because it's a field that's growing more critical every day. So after searching into areas like penetration testing, intrusion detection, and encryption, I'm improving my foundation to identify vulnerabilities, reduce risks, and protect data effectively.

AWWAB MOHAMMED ELHASSAN ABDALLA ISMAIL **AHMED ABDELHAFIZ ABDELRAHIM ABDELRAHMAN**
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My goal is to become skilled in ethical hacking and finding weaknesses in computer systems. I plan to spend time learning how to use important tools like Metasploit, which helps test security, and Wireshark, which analyzes network traffic. I will also make sure to keep up with the latest developments and trends in the field of cybersecurity so I can stay updated and improve my knowledge over time.

Over the next four years my goal is to deepen my knowledge in cybersecurity analytics. I intend to specialize in using SIEM tools like Splunk and ArcSight to monitor and analyze security events.

By developing expertise in these technologies, I will enhance my ability to detect and respond to potential threats, ensuring a more secure digital landscape.

ALI KHALED SAEED BA YAAQOOB
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Over the following four years, I will excel in computer science by grasping fundamental ideas, focusing on cybersecurity, and obtaining practical experience through projects and certifications like CISSP and CEH. I'll keep up with new developments, network with people in the field, and constantly adjust to new developments. Resilience and practical application will be essential to my development. My enthusiasm and commitment will motivate me to accomplish my objectives.

ABDULRAHMAN MOHAMED ELHADI OSMAN
A24CS4002

I'm focusing on building a strong foundation in cloud networking and security by learning tools like AWS and Azure. I'm also planning to attend workshops and work toward certifications like the AWS Certified Solutions Architect to grow my skills and stand out in future roles.