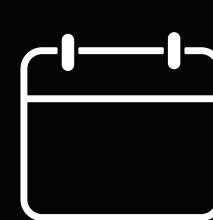


# INDUSTRIES TALK 2

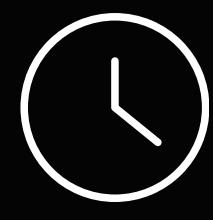


## PREPARING FOR ENTREPRENEURSHIP IN IT



TUESDAY

17 DECEMBER 2024



8:00 PM - 10:00 PM



google meet



**Encik Muhammad Habibullah bin  
Muhammad Nizam**  
Speaker

### Content

- Speaker experience
- Skills needed for computer science student and by industry
- Our reflection

### Group members

- TAN LI JIA
- EDWIN TAN YEE EN
- LEE WEI XUAN
- QUAH ZHEN YE
- GOH KOK WEI



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

### Introduction

On 17 December 2024, we had the opportunity to attend the industry talk given by Encik Muhammad Habibullah bin Muhammad Nizam, an alumnus of Universiti Teknologi Malaysia (UTM). The talk lasted around two hours, from 8 to 10 p.m., shared about his entrepreneurial journey and the important skills required in academic and industry areas.



The talk starts with Mr. Nik introducing himself as a UTM alumnus who graduated in 2005. He starts sharing about his experience such as having previous connections to the UTM graphics department and past collaborative projects.

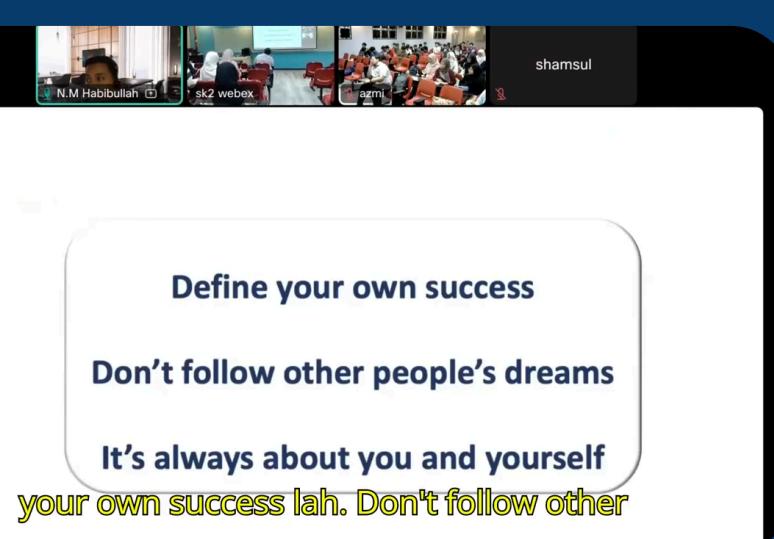


Next, his career beginnings during his student years, he is willing to challenge himself by taking on projects without owning a company. Even In his final year projects, he developed a thesis cataloguing system using early AI concepts. He mentions his academic results were not that outstanding, but he put all his effort into projects that made him today. This shows his high execution ability and his entrepreneurial spirit.

After he graduated, he founded multiple companies such as NI Solutions and Mikro Semiconductor. He managed to grab the chance of early adoption of IoT devices before their popularity. When everything seems to go on the right trial, his company faces economic challenges during the 2020 lockdown. What he did was to pivot his career coaching and Curriculum Vitae development to assist fresh graduates in securing jobs. Speaking of Curriculum Vitae, he changes his topic into how to prepare an impactful Curriculum Vitae, handling interviews and surviving in the workplace such as investigate industries to avoid "red flags", understanding industry demand and the importance of aligning personal skills and goals with company needs



images copy from <https://www.microsemi.com.my/>



At the end of his experience, he encouraged us to find out personal paths to success, since every people have their own individual learning speeds interests and passion.

# Basic Skills required

## For Computer Science

What Nik Mohd Habibullah Bin Nik Mohd Nizam has mentioned the skills required for computer science student is the programming fundamental. Having a strong foundation in programming helps on mastering any programming languages.

The next essential skills are the problem-solving skills, this skill is essential for every computer science student as it helps students into breaking down problems and think logically. Students should familiarize themselves with algorithms design and computational complexity on desired logic or program.

Soft skills shouldn't be ignored, which some of it is the ability to communicate well. Can be handy on handling interviews, explaining technical concepts to non-technical and working in a team environment.

## By Industry

When solving real-world problems, specialized knowledge is needed to fulfil the required jobs. For instance, awareness of IT technology trends and a deep understanding of networking and programming languages are skills often gained from studies and relevant work experiences, such as extracurricular activities and internship experiences.

Next are some interpersonal skills such as communication skills, leadership skills, and time management. Good communication helps to bring confidence and gain persuasiveness over other people. Additionally, leaders may need courage to pursue new challenges. There may be times when leaders need to make difficult decisions. Lastly, the ability to manage time for meeting deadlines. Working under deadlines potentially increases stress, leading to a decrease in performance and effectiveness.

Last but not least skills are personal traits. In this constantly changing fast-paced world, adapting to new environments is becoming a challenge to live in modern society. The rapid advancement of technology and shifting market demands make it difficult to sustain a competitive environment without flexibility. Adaptability and willingness to learn new skills not only help individuals stay up but also empower them to discover new opportunities and overcome unforeseen challenges in the future.

## Reflection

### EDWIN TAN YEE EN

I realized the importance of practical experience and flexibility. We should try to grab our own opportunities to do something. This motivated me to learn modern technology, which will help me in the future to have a successful career in computer science.

### QUAH ZHEN YU

I will enhance my programming skills by developing a learning plan. Practicing habit. Besides, I would also further my understanding of programming pathways, such as studying artificial intelligence (AI). Additionally, I will learn some advanced skills based on trends or industry demands, such as machine learning. Lastly, I will find an internship or job before I graduate. I can adapt to new environments and ensure efficiency on the job.

### LEE WEI XUAN

The speaker talks about his insights into entrepreneurship and career development. He has inspired me to continuously refine my interests and skill alignment to stay motivated. Also, making effective CVs improves the probability of being hired and achieving a higher salary compared to normal CVs.

### TAN LI JIA

I believe each failure brings us one step closer to success. It's better to make as many mistakes as I did before I made it into society. For example, I will try stepping into various fields in the computer science field. Explore the difference and expand my overall knowledge in computer science. Finally, I will make my decision on which field is my favourite depending on the rewardless and happiness and dive deep into it. Therefore, I would focus my efforts on my passion for becoming successful.

### GOH KOK WEI

I believe that career preparation is a vital decision that makes our lives more meaningful. IRPA will be the most important part of the job application process. The average salary is also an important factor to consider. It should align with all your achievements in academic studies or self-study. It is my view that many challenges will need to be tackled on the way to success, but it doesn't matter if you get stuck; the important thing is how we plan our future.

### References

- <https://www.phrasebank.manchester.ac.uk/>
- <https://www.sheffield.ac.uk/study-skills/writing/academic/style>
- <https://drive.google.com/file/d/1NNoDzjBXzvdUaq8qzUibFCoy7AikdbbD/view?usp=sharing>
- [https://drive.google.com/file/d/1uSTHxkLhRsgOwNwIBAdPPBdKB1KWu\\_r-/view?usp=sharing](https://drive.google.com/file/d/1uSTHxkLhRsgOwNwIBAdPPBdKB1KWu_r-/view?usp=sharing)
- <https://drive.google.com/file/d/1hsmzlDyDWyJteo8y1rhBo0Sx5qDZDQZf/view?usp=sharing>
- <https://youtu.be/DsyUG9y2Lzg>
- <https://youtu.be/n7ICdUKDjE>
- <https://youtu.be/xwkpzeuNHLI>