

**Officiating Speech by  
Prof Dr Mohamed Ibrahim Abdul Mutalib  
Vice Chancellor of Universiti Teknologi PETRONAS**

**TECHNOLOGY, EDUCATION AND CAREER (TEC) 2018  
Tuesday, 29 January 2019  
Seminar Room 7, Undercroft, UTP**

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Bismillahirrahmanirrahim

Muhammad Fathi Mohd Fauzi  
Project Manager, Technology, Education & Career (TEC) 2019

Puan Roslina Nordin  
Advisor, Technology, Education & Career (TEC) 2019

UTP Executive Management Committee Members

Representative from participating companies and industries

Members of the Media, Ladies and Gentlemen,

Assalamualaikum warahmatullahi wabarakatuh, Selamat Sejahtera and a very good afternoon.

On behalf of Universiti Teknologi PETRONAS (UTP), it is my pleasure to welcome all the participating companies and industries to another edition of Technology, Education & Career (TEC) 2019, UTP's industry-specific career fairs offering work and internship opportunities. The establishment and progression of TEC since 2001 up to this date is a testament of how our students are tenacious in organising an event that as you can clearly see is no easy feat. I was made to understand that we have 44 companies for these two days offering internship and job placements today. These include Petroliaam Nasional Berhad or PETRONAS, Nestlé, TechnipFMC, Sapura Energy and ExxonMobil, just to name a few.

Through TEC and our Career Development Office in UTP, we work hand-in-hand with employers who are major stakeholders in the institution's output. Employers are the ultimate resource for career offices to find out what the current employment trends are, current skills needed to be employed and employer expectations.

As a focused university with distinct competitive advantages, we are able to institute many initiatives that set us apart from others. For example, UTP offers one of the longest industrial internship programmes in the country. The students are posted as interns for 28 weeks (approximately 7 months). The length of the internship duration allows students to engage in more significant work assignments and is widely thought as a major strength of the academic curriculum.

Ladies and Gentlemen,

As UTP students leave campus, they will face unprecedented workforce disruptions and a job landscape that is more fluid than ever before in history. It's already a given that about a quarter of today's jobs will not exist by the next decade, a good number of future jobs have not been heard of yet, the most versatile of their peers will be in the gig economy, and the cleverest innovations will be connected to the circular economy. UTP is gearing up for this challenge to prepare our graduates to be more future-proofed than ever before. The key to that lies in the way they are learning here in UTP.

In 2014, UTP strategically moved from teacher-centred learning to student-centred learning. The university's Centre for Excellence in

Teaching and Learning (CETaL) carved new trails to bring excitement to lecture halls and made learning challenging and fun.

UTP wants to ready its graduates for an entirely new kind of world, and be at the forefront of emerging technology breakthroughs in fields like nanotechnology, artificial intelligence, robotics, biotechnology, materials science, quantum computing, and the Internet of Things. We want for our students to fit in with Industry 4.0, the technological wave unfolding right now in which automation and computers come together in an entirely new way. For the first time, the fusion of technologies is blurring the lines between the physical, digital and biological spheres. To meet the needs of that complex future, UTP has created roadmaps for changing technology and has already introduced new components into its programmes. The bottom line of that scenario is that today's graduate will need to spend their entire career relearning, unlearning, reskilling and upskilling.

The university is at the frontiers of breakthrough research and to generate and drive trends. Our graduates are also in leadership positions in many sectors serving industry and society and offering thought leadership, too. A front running example of this is UTP alumnus Yang Berhormat Yeo Bee Yin, who at 35 is Malaysia's Minister of Energy, Science, Technology and Climate Change (MESTECC). She is leading the change agenda for her portfolio with refreshing candour.

Creating homegrown leaders for the nation is a part of future-proofing. We produce graduates who are not just technically competent but also possess a lifelong love for learning, superior critical thinking and interpersonal skills, and display an openness and respect for differing

cultures and views. Honesty, professionalism and integrity are core values of the UTP graduates.

In closing, allow me to express my sincere gratitude to the sponsors and the participating companies and industries who have come from all over Malaysia to be here today. My heartiest appreciation to the TEC19 organising committee for your commitment and dedication in ensuring the success of this event. Before I end, let me again thank everyone for your presence. Without further ado, it now gives me great pleasure to officiate TECHNOLOGY EDUCATION & CAREER 2019 (TEC19).

Thank you.