

Source: The Straits Times, pB3 Date: 28 November 2024

# Al's challenge to universities: What happens when EQ trumps IQ?



students wi the tools to survive and skills – including those needed tool such as generative AI. However, we must also be more intentional about cultivating what it is that makes us truly

Artificial intelligence will soon surpass knowledge workers in most tasks for which they are trained. Should universities switch from educating the mind to educating the heart?

#### Simon Chesterman and Loy Hui Chieh

Nov 30 marks the second anniversary of the release of ChatGPT – though few professors will be celebrating. As the large language model raced towards a hundred million

raced towards a hundred million users back in 2022, academic social media was abuzz with gloomy speculation about how this transformative technology that simulated human reasoning and communication might be used by our students to cheat in their papers.

There was hand-wringing and the papers, and the papers was hand-wringing and the papers, and the papers with the classic five stages of grief – denial, anger, bargaining, depression, acceptance —

denial, anger, bargaining, denial, anger, bargaining, eight sold, acceptance regarding the impact of this nest software on their life's work. As the months now stretch to years, it has become clearer to years, it has become clearer to have the sold of hype about the impact of artificial intelligence (AI) on the economy and society. This has long been part of the history of AI, with the term 'AI winter' coined to reflect the mismatch between expectations and reality. Yet generative AI is already changing our relationship to

Yet generative Ai is already changing our relationship to information, from how we seek it (chatting with AI rather than searching with Google) to how we produce it (from writing to prompting). It also offers new ways of engaging with material, Google's Notebook!AM, for example, can ingest articles or whole books and create an engaging podcast between two speakers. This is all very exciting, But, to the extent that the functions of a university are to cultivate

do, as well as what they are. In particular, after centuries of attention to training of the mind, a more holistic view of education may mean refocusing on the heart.

To FIREPROOFING

Understandably, most university-level responses have tended to target more immediate sources updating rules on proper use for not) of generative Al by students and faculty, hurriedly adding "Al literacy" courses or rebranding existing content with the argot of Al. Some have gone further, reviewing curriculum design and reviewing curriculum design and reviewing curriculum design and coasionally going to extremes, such as suggesting that degrees should now be offered in "prompt engineering". For the most part, the responses have been reactive or actical, rather than strategic. We need to take a longer five or the response of the re

we need to take a longer perspective. Given the seismic scale of the changes under way, the value proposition of a university education – and of university education in undergraduate education, where longstanding tensions may become contradictions or fault lines, For what is the function of university education: is it to offer a pipeline of workers, especially knowledge workers, to service the opportunities for young adults to explore and find themselves? Put bluntly, are students our products – or are they our customers? Most universities try to embrace both noles, with more vocational institutions learning towards the institutions often signalling that they embrace the latter. All, however, are judged on the employability of their graduates. This is a particular concern in Singapore, where parents and they embrace for the particular concern in Singapore, where parents and they embrace for the first of the concern in Singapore, where parents and they embrace defined to the concern in Singapore, where parents and the converse and they embrace defined to the concern in Singapore, where parents and the converse and they embrace defined to the concern in Singapore, where parents and the converse and the concern in Singapore, where parents and the converse and

are doing our job as educators.

### THOSE WHO CAN'T DO TEACH?

It was not always so. For centuries, many universities and colleges prided themselves on cultivating disinterested learning. That ethos is exemplified in the liberal arts model of education, which long championed the

nurturing of citizens and generalists rather than workers and specialists.

From at least the mid-20th century, however, employability of university graduates became one of the measures of success for a university, By the 2bt, such key performance indicators had been performed indicators had been influence of university rankings. For those that depend on state funding for a substantial part of their budget, sensitivity to the

For those that depend on state funding for a substantial part of their budget, sensitivity to the market for graduates is a regulatory as well as economic Al appears set to exacerbate the contradictions between universities' vocational and aspirational functions by commoditising one of our key outputs; knowledge workers. If displaced by the rise of the university as a kind of 'knowledge worker factory', might it return when the university as a kind of 'knowledge worker factory', might it return when the university as a kind of 'knowledge worker factory', might it return when the university as a kind of 'knowledge worker factory', might it return when the university as a kind of 'knowledge worker factory', might it return when the university as a kind of 'knowledge worker factory', might it return when the university as well as sent and the work of the work o

### THE MARKET FOR TALENT

THE MARKET FOR TALENT

The voluminous literature about automation and digitalisation can be loosely divided into the transformationalists, who see a revolution in process, and the control of the contro

different order compared to the spread of the steam engine, electricity, and the early spread of computers.

Moreover, the nature of the change is not that jobs will necessarily be replaced in their entirety by Al, as the horse was eventually – by the automobile. Rather, it is that those jobs will be broken down into tasks, some of which will be automated. As the

proportion of such "jobs" diminishes, it is possible that the number of full-time employees in many organisations will also decline, with others being broken down into their constituent components, some of which will be automated and some of which will be outsourced to humans. As jobs become tasks careers Another glass-hali-full analysis is that humans (and those that educate them, such as

is that humans (and those that educate them, such as universities) should focus on creativity and innovation, training the superstars and the "above awerage". Upskilling should focus on higher-order skills, such as conceptual thinking, abstraction and communication – areas in which machines may face hard limits in their capacities. The harsh mathematics, of course, point to the limits of this approach. Half of humanity is, by definition, of below average ability, superstars are defined by

approach: Half of humanity is, by definition, of below average ability; superstars are defined by their scarcity, indeed, some of those who were initially buillish partnerships later concluded that reliance on data and algorithms alone typically leads to better decisions and forecasts than the judgment of even experienced and "expert" humans. A similar evolution has been seen in games like chost, where a seen in games like chess, where a seen in games like chess, where a seen in games like chess, where a seen is games like the seen and the seen

## FROM IO TO FO?

FROM IO TO EQ?

One area in which technology is likely to lag behind humans – both due to its complexity but also due to human preferences – is empathy.

The second of the company of the

positions, as well as some customer-facing roles, but there is customer-facing roles, but claims continued to the continued t

If students are facing a world of uncertain economic prospects, in which educational tools are available at costs trending towards zero, the value proposition of universities might come to focus less on what happens in the classroom or the library and more on what happens in the classroom or the proposition of the classroom or the library and more on what happens elsewhere on campus

norary and more on what happens elsewhere on campus. The Covid-19 pandemic revealed that it was possible to conduct university education without being physically present, but much was still lost in terms of educational exhibitory. On terms much was still lost in terms of educational achievement. On top of that, many came to realise the important social aspects of being in a university environment. Among other things, this was evident in the lawsuits by which students in the United States sought heavy discounts on tuition paid for a holistic experience that they had been denied. In the wake of the pandemic,

many tertiary institutions rethought their approach to student life. At the National University of Singapore, NUSOne is an example of an effort to support the transition to university life as well as ensure that the experience goes beyond acquisition of a degree. The support of the support

particularly private universities in the US.

That points to a reason for warriness in embracing such a vision of universities: the cost. Steps in that direction could increase inequality if they are limited to those who can afford such luxuries – particularly if government subsidies could not be justified by the economic make after graduation.

Regardless of the size of that market, there will almost certainly be some demand for credentialed professionals in areas where humans are valued for their empathy as well as their intellect.

### HAPPY BIRTHDAY?

HAPPY BIRTHDAY?

So, while we won't be singing happy birthday to ChatGPT, it is timely to rethink what we do at university and why.

Equipping our students with the tools to survive and thrive wis till require knowledge and skills—including those needed to master new tools such as generative AL. Even as we cannot be a supported to the company of the

 Simon Chesterman is David Marshall Professor of Law and Marshall Professor of Law and vice-provast at the National University of Singapore and founding dean of NUS College, as well as senior director of AI governance at A Singapore. Loy Hui Chieh is an associate professor of philosophy at NUS and vice-dean (academic affairs) at NUS college, the is also the thair of the NUS University Policy Workgroup for AI in Teaching and Learning.