

**EDUCATION 4.0: PERCEPTION AND CHALLENGES AMONG ACADEMICIANS AT A
COMPREHENSIVE UNIVERSITY**



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In the name of Allah, Most Gracious, Most merciful

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All Members of Faculty of Accountancy UiTMCT

All academicians from UiTMCT

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5. Report

5.1 Proposed Executive Summary

The fourth industrial revolution (IR4.0) reflecting a new wave of technology in all aspects of business and industry. The IR 4.0 affects the business, governance and the people, with no exception the education sector which creating the buzzword of Education 4.0. In order for the IR4.0 to be embedded into education system, the participation and contribution of academicians are crucial. Their duty and responsibility to educate and produce students whom are ready for the 21st century job demands within IR4.0 digital age must be given a serious attention. As academicians, they are anticipated to relearn and equip themselves with the digital tools and ICT knowledge to align with the learning preference of the Gen Z students. However, what are their discernment and challenges towards Education 4.0? As such, this research attempts to investigate the academicians' perception on Education 4.0 and to examine the challenges that are confronting them in aligning their tasks for Education 4.0. This research will use quantitative approach by means of questionnaire to gauge the academicians' perceptions about Education 4.0. The questionnaire will be distributed to all academicians at UiTM Terengganu from three branches: Dungun, Kuala Terengganu and Bukit Besi. The findings will provide a vital view in education as the academicians are responsible in educating the students and should be ready in taking the challenge for producing a success and well-prepared individuals towards IR 4.0. Moreover, the academicians' perceptions on Education 4.0 assist in connecting the teaching preferences of academicians which ultimately may affect the implementation of the Education 4.0 in the higher education institutions

5.2 Enhanced Executive Summary

The fourth industrial revolution (IR4.0) reflecting a new wave of technology in all aspects of business and industry. The IR 4.0 affects the business, governance and the people, with no exception the education sector which created the buzzword of Education 4.0. In order for the IR4.0 to be embedded into the education system, the participation and contribution of academicians are crucial. Their duty and responsibility to educate and produce students who are ready for the 21st century job demands within IR4.0 digital age must be given serious attention. As academicians, they are anticipated to relearn and equip themselves with the digital tools and ICT knowledge to align with the learning preference of the Gen Z students. However, what are their discernment and challenges towards Education 4.0? As such, this research investigated the academicians' perception on Education 4.0 and determined the challenges that are confronting them in aligning their tasks for Education 4.0. This research used a quantitative approach by means of questionnaires to gauge the academicians' perceptions about Education 4.0. The questionnaire is distributed to all 352 academicians at UiTM Terengganu from three branches: Dungun, Kuala Terengganu and Bukit Besi. A total of 127 respondents participated in this study. The findings show that respondents are aware about Education 4.0. Majority of the respondents agreed that Education 4.0 is important to university's students, but it will involve a significant cost to a comprehensive university. Meanwhile, lack of network infrastructures, lack of budget to cover high internet costs and limited expertise and ICT skills levels are considered as greatest challenges to the university. Specifically, the findings assist the management of UiTM Terengganu to understand the perception of academic staff about Education 4.0 and to identify their perceived challenges towards Education 4.0 implementation. Consequently, the university management may consider taking corrective actions to cater for those challenges. Additionally, the findings provided a vital view in education as the academicians are responsible in educating the students and should be ready in taking the challenge for producing a success and well-prepared individuals towards IR 4.0.

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