**Digitalization of Teaching and Learning via Micro-credentials: A New Paradigm in Higher Education**

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**Abstract**

The implementation of micro-credentials, which includes digital badges and stackable qualifications, is a relatively new field that aims to introduce new methods of teaching and learning that increase accessibility and the sustainability of the ecology of meaningful delivery. Micro-credentials are a rapidly expanding field, and Malaysian universities are urged to involve. USM has decided to offer micro-credentials as part of its educational and professional development initiatives due to the flexibility offered by micro-credentials courses. The discussion will cover the fundamentals of micro-credentials, including definitions, types, and affordances and barriers in the implementation of micro-credentials at USM. The 2018 debut of micro-credentials at USM, the first public university in Malaysia to do so, will also be discussed. Barriers to technological advancement and faculty acceptance of new digital teaching and learning will also be discussed. The presentation will conclude with a summary of the practical implications, especially within the context of higher education.