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Design and Implementation of a Doctoral Program of Management in Information Technology

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Abstract: The paper reports on an initiative taken by the Graduate College of Management, Lawrence Technological University to establish a Doctorate of Management in Information Technology (DMIT). The DMIT has a scholar/ practitioner orientation designed for working professionals with high levels of managerial, technical and analytical expertise in the sub-fields of information technology (IT). The goal of the DMIT is to provide students with an advanced learning experience focused on leadership in IT through the integration of IT into business and industrial processes to attain higher levels of efficiencies and quality. The DMIT Program endorses learning outcomes in four categories: theoretical outcomes, informational outcomes, skill-sets and informing of practice. In addition the program addresses six thematic areas of scholarship and practice, namely abstraction and modeling, process, optimization, quality, measurement and manufacturing. A feasibility study determined the knowledge needs of professionals in the field of IT, and was followed by an implementation proposal to stakeholders, university management and accrediting bodies. The rationale of the program, the curriculum, the teaching and learning model, and some lessons learnt thus far in the implementation are described.

Keywords: doctoral program, IT education, IT management, curriculum

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