ISLAMIC ENGINEERING ETHICS
Foundation Integration
and Practice

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INTEGRATING ISLAMIC CONCEPTS IN THE ENGINEERING CURRICULUM
CASE STUDY:
FACULTY OF ENGINEERING, IIUM
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INTRODUCTION

Since the introduction of the concept of Islamization of knowledge, many papers and books were written on the concepts and philosophies to the limit that the idea is well established at the theoretical level. In the mean time, it was realized long time ago that there is a need to put forward practical steps to be implemented. This would ensure the realization of the Islamization ideas into the different fields.

This work tries to address how to integrate the Islamic concepts to the engineering curriculum. It is the author's belief that practical implementation of Islamization in the applied sciences is a little bit hard to grasp. This is due to the apparent nature of the applied sciences since they are based, in general, on hard facts that are not subject to human judgment. Thus, it is highly needed to give examples as well as to relate the practical steps to case studies to clarify the ideas. As such, this work addresses the concept of integration of Islamic concepts in the engineering curriculum as applied to the faculty of engineering in the International Islamic University, Malaysia.

It is the author's opinion that integrating Islamic concepts in the engineering curriculum can be done at three levels. These are: (1) Incorporation of Muslim contributions in the engineering field, (2) Incorporation of the scientific notions in Quran and Sunnah of the prophet, (3) Integrating Islamic concepts in the curriculum.