One of AeU’s innovative programmes that has gained relevance of the current and future market needs, is the Master of Information and Communication Technology Management (MicroMCTM) programme. This programme updates aspiring to be in management or leadership position in their organisations.

AeU’s Master in ICT Management: Delivering Management Value through IT

Developed in close consultation with the market leaders in the industry, the Master in ICT Management (MICTM) features a unique blend of academic and industry content. Offered by the School of Information and Communication Technology (SICT) of AeU, the course is designed for information technology (IT) professionals seeking to move into management or leadership positions within the industry. MICTM is an innovative and practical programme, which will help you understand, conceptualise and manage the interaction and interaction of various technical advances in information technologies, and their impact on organisational change. Its main objective is to develop hybrid skills and knowledge for the effective management of information systems and information and communication technologies.

MICTM offers an innovative curriculum that empowers a real-world problem-solving approach and an outstanding faculty dedicated to teaching and bringing the corporate perspective into the classroom. Featuring an executive format, MICTM is designed for working professionals from a wide range of disciplines. You will be exposed to cutting-edge areas of expertise to remain on the job while completing their degree. Other preparatory skills that the programme focuses on are leadership, project management, risk management and communication. You will also gain an understanding of advanced technologies within and between organisations. It will give you both analytical and practical skills for managing and analysing information technology and IT-induced change. It concentrates on key areas in business management which includes management from the perspective of information systems.

The MICTM programme’s core modules provide an advanced grounding in key areas such as ICT Management, Cyber Laws, ICT Entrepreneurship, Network Management, ICT Project Management, Information Security Management, ICT Strategic Planning, ICT Governance, System analysis, Design & Development, Database Management, Database System, and more. These modules will allow you to choose one of the six specialisations: Project Management, Information Security, Open Source Computing, Knowledge Management, ICT Project Management, and Business Continuity Management.

Besides the core subjects, students have to pass a project paper in order for them to be graduated. Establishing an industry partnership of study up to two years, the programme can be completed in a flexible online and blended learning study mode. Its curriculum is taught by accomplished practitioners who possess significant management expertise and in-depth knowledge of the latest innovations in information technology.

This programme is the perfect platform to hone your skills leading to advanced technical roles in information technologies. This programme provides an unparalleled, interactive learning experience that is relevant to industry interaction and outstanding instructors and academic facilities. "This programme is a game-changer," says Mohammad Ayob, MICTM student at AeU.

Master in ICT Management Learning Outcomes

Evidently, IT supports the development of a wide range of applications critical to society and is essential to the various fields in the industry. MICTM is the only one of its kind in the country and provides technical, business and management knowledge, suitable for graduates from technical and non-technical backgrounds such as engineering, finance, computer science, information systems, business management.

Moreover, the Master in ICT Management programme, a 21-month programme, a student will be able to perform various ICT including technical administrative skills, including the ability to apply a range of skills for data modelling and information management to support IT/IS; manage to propose a range of IT solutions; and develop and manage computing infrastructure; understand the need for effective management of change within an organisation; able to perform effectively for IT/IS to achieve business objectives such as ITSS problem and use appropriate channels to disseminate the findings; and contribute to the financial management of an organisation.

Career Opportunities

The MICTM is a unique program that provides you with strong management, business and technical competence that enables you to acquire an organization to improve its market position, establish itself on the alignment and the integration of management information systems and technology business strategies, the programme provides you with the competitive advantage of understanding organized as complex systems with a shared view.

The managerial posts of ICT encompasses various jobs in many sectors and industries ranging from education, business, healthcare, telecommunication, printing, film/motion picture, broadcasting and advertisement. ICT offers many professional opportunities such as business management, telecommunications, information technology, systems and IT management. It is very diverse and requires a wide range of skills and knowledge, such as training, leadership, project management, network management, software development, and more. It also requires strong interpersonal skills, including communication, problem-solving, decision-making, and critical thinking.