

MSC

MASTER OF SCIENCE

ABOUT THE PROGRAMMES

SLIIT is a premier degree-awarding institute approved by Ministry of Education Sri Lanka and University Grants Commission encompassing the award of Master's degrees in

- Information Technology
- Information Systems
- Information Management
- Information Technology Specialising in Cyber Security
- Information Technology Specialising in Enterprise Applications Development

INFORMATION TECHNOLOGY

The Master of Science Degree in Information Technology is specially designed with a structure to provide a core of advanced knowledge in Information Technology supplemented by a range of options within the areas of Software Engineering, Computer Networks, e-business Technologies, Database Management and Administration, Business Information Systems, etc.

The degree is designed to impart knowledge to the current and emerging developments in IT as well as to provide an in-depth knowledge in advanced topics on Information Technology to master the challenges of information driven economy government agencies searching for tomorrow's digital business thinkers and leaders.

This programme is designed to produce graduates with necessary knowledge, skills and attitudes in Information Technology, Computer Science and Software Engineering fields.



INFORMATION SYSTEMS

The Master of Science Degree in Information Systems covers areas of critical importance to IT employers, such as project and change management, emerging technologies, IT strategy and governance, and compliance, security and service provision. Students will develop a strong capacity in supporting, managing and changing business processes through information and communications technology and information systems.

Students will also develop valuable transferable skills in solving business problems, collaboration, project management and application of models, frameworks, and management theory. After the successful completion of this programme, individuals can embark on engaging themselves in high-end top firms and government agencies searching for tomorrow's digital business thinkers and leaders.

Graduate jobs include roles such as management consultant, systems analyst/designer, IT infrastructure manager, business analyst, data architect, IS Lead Auditor, Chief Information Officer, Chief Knowledge Officer, Chief Privacy Officer, and Project Manager.

CYBER SECURITY

The Master of Science Degree in Information Technology Specialising in Cyber Security intends to address a key global issue facing the government, businesses and individuals.

The widespread use and dependence on online services bring about new challenges of ensuring our digital economy remaining secured, resilient, and trusted. Increasing vulnerability witnessed by the intensity of malicious cyber activities have led to the urgent need for specialists in the field.

Currently there is a demand for graduates with the knowledge and skills required to develop and maintain a secured computing infrastructure, handle and address cyber security threats and manage data access in a distributed network.

INFORMATION MANAGEMENT

The Master of Science Degree in Information Management gives the students a real competitive edge in modern business development and planning, using Information Technology tools. This programme guides students through a proven framework for integrating IT with business by developing comprehensive Information Technology Strategic Plans. The Programme empowers students with information literacy skills and the technical background necessary to function in a fast-changing business environment with increased use of computer networks, electronic publishing and the Internet. On completion of the programme, students will be able to utilize tools, techniques and technology effectively within organizations and be able to evaluate and select appropriate methods and technologies for representing, managing and disseminating information. Moreover, students will be able to get a comprehensive understanding of the tools, techniques and technologies used in secure information management in organizations. This course will enable participants to develop a critical awareness of modern Information and Communication Technology in strategic management, decision making and identifying IT infrastructure. This programme is specially designed for IT graduates and professionals with managerial experience.

MSC IN ARCHITECTURE

This is a full-time two-year Master's degree in Architecture offered by Liverpool John Moores University in the UK at SLIIT School of Architecture in Sri Lanka. The students will directly register with both SLIIT and LJMU for both the years of study since the entire degree programme is offered by LJMU. Students having an LJMU BSc (Hons) Architecture degree or any other Part I equivalent bachelor's level degree (minimum 3-year) in Architecture are eligible to apply for this MSc Architecture degree at SLIIT. For more details refer page 79



ENTERPRISE APPLICATIONS DEVELOPMENT

The Master of Science Degree programme in Information Technology Specialising in Enterprise Applications Development is designed for those aspiring to be Software Architects. Software Engineers and Software Developers need to learn techniques and technologies to architect and engineer large scale software projects.

This programme development will fulfill a long felt need of practicing software engineers and developers who require a master's level postgraduate degree to advance their career.