



**Master of Science / Post Graduate Diploma
in
Information Technology**

APPLICANT INFORMATION

**Faculty of Information Technology
University of Moratuwa**

April 2023

Introduction

The Government of Sri Lanka announced an ambitious need to use Information and Communication Technology as a tool for the economics and social development of the entire country. The MSc/PG Diploma in Information Technology program is designed to provide students with a comprehensive education that combines theoretical and practical knowledge. Through a combination of classroom instruction, hands-on projects, and research opportunities, students will gain a deep understanding of the fundamental concepts and principles of computer science, as well as the practical skills necessary to apply this knowledge in real-world settings.

Course Description

M.Sc in information Technology is a 2 year (24 months) part-time degree programme consisting of a common information core, and a compulsory research project. In order to obtain the MSc in Information Technology you are required to gain **60 credits**. One credit is equivalent to one hour of lectures or other classroom activity per week for one semester of approximately 14 weeks duration, or three hours of practical or project work per week for one semester of approximately 14 weeks duration.

Entry Requirements

Candidates applying for the MSc in Information Technology shall have,

An Honours degree in a relevant field of specialization from University of Moratuwa as may be approved by the Senate;

OR

A four year degree from a recognized university in Information Technology/ Computer Science/ Computer Engineering or any other related field as may be approved by the Senate;

OR

A four year degree from a recognized university in a relevant field with a minimum of one year of appropriate experience as may be approved by the Senate;

OR

A three year degree from a recognized university in a relevant field with a minimum of two years of appropriate experience as may be approved by the Senate;

OR

A four year degree from a recognized university in any field with a minimum of two years of appropriate experience as may be approved by the Senate;

OR

A three year degree from a recognized university in any field with a minimum of three years of appropriate experience as may be approved by the Senate;

OR

Any recognized category of membership of a recognized professional institute. obtained through an academic route, with a minimum of two years of recognized appropriate experience obtained after the membership, as may be approved by the Senate.

Course Structure

The Master of Science / Post Graduate Diploma in Information Technology follows common curricula during the first year of the course. Lectures will be held during weekends. A minimum pass criterion for the Post Graduate Diploma is **40 credits** including the PG Diploma project. The minimum credit requirement for the Masters Programme is **60 credits** including the MSc project.

At the end of the first year, students will have the following two options.

- a) Exit the program with a Post Graduate Diploma after completing the PG Diploma Project.
- b) Continue with the Master of Science Programme.

The followings are the compulsory and the elective modules.

Compulsory Modules

Course Code	Course Name	Credits	Note
IN5102	Programming and Program Design	3.0	
IN5110	Object Oriented Programming	3.0	
IN5210	Systems Analysis and Design	3.0	
IN5200	Software Engineering	3.0	
IN5310	Operating Systems	3.0	
IN5400	Database Management Systems	3.0	
IN5500	Data Communication and Computer Networks	3.0	
IN5621	Web Technologies and eBusiness Systems	3.0	
IS5910	Literature Review and Thesis writing	3.0	
IN5900	PG Diploma Project	4.0	PG Dip. Only
IN6901	MSc Project	20.0	MSc Only
IN6911	Research Methodology	3.0	MSc Only

Elective Modules

Course Code	Course Name	Credits	Note
IN5121	Emerging Trends in Distributed Systems	3.0	
IN5300	Computer Organization	3.0	
IN5410	Data Mining and Data Warehousing	3.0	
IN5600	Multimedia Systems	3.0	
IN5610	Image Processing and Computer Graphics	3.0	
IN5701	Human Centered Computing	3.0	
IS5410	IT Project Management	3.0	
IS5400	Management Information Systems	3.0	
IS5421	Software Testing and Quality Assurance	3.0	
CM5401	Computational Intelligence	3.0	

Contacts

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Course Coordinator: Dr. Chaman Wijesiriwardana
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Address: Faculty of Information Technology
University of Moratuwa
Katubedda, Moratuwa

Fee Structure

Application Fee	Rs. 1,500.00
Registration Fee	Rs. 2,000.00
Non Refundable Library Deposit	Rs. 2,000.00
Refundable Library Deposit (per book)	Rs. 2,500.00
Course Fee for PG Dip in IT	Rs. 400,000.00
Course Fee for MSc	Rs. 500,000.00

Application Procedure

Application form and other relevant information can be obtained from the Assistant Registrar of the Faculty of Information Technology, University of Moratuwa, Katubedda, Moratuwa or download from: www.itfac.mrt.ac.lk

The duly filled application should be submitted with a paying-in-voucher obtained from any branch of the Bank of Ceylon for Rs. 1500/= (being the application fee) drawn in favour of the Vice- Chancellor, University of Moratuwa, Account No 70993353 together with copies of degree certificate or other professional qualification certificates, relevant work experience certificates, birth certificate and the confidential reports obtained from two referees.

Your application together with other documents stated above must be sent under registered post to

Coordinator
MSc/PG Dip in Information Technology
Faculty of Information Technology
University of Moratuwa
Katubedda, Moratuwa

(Please indicate “**Application for MSc/PG Dip in IT 2023**” on the top left-hand corner of the envelop).