



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

APPLICANT INFORMATION

**Faculty of Information Technology
University of Moratuwa**

February 2022

Introduction

The Government of Sri Lanka announced an ambitious programme to use Information and Communication Technology as a tool for the economics and social development of entire Sri Lanka. ICT will be a ubiquitous technology affecting all spheres of our lives. Hence we considered it is important to design this course so graduates and those with professional qualification in a variety of study fields could obtain post graduate qualification from a recognized university.

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 **55 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 from University of Moratuwa with a minimum of one year of appropriate experience as may be approved by the senate;

OR

A four degree from a recognized university 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 with a minimum of two year 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 year 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. Classes 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 55 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 modules offered during each semester:

Core Modules

	Course Code	Course Name	Credits	Note
1.	IN 5101	Programming and Program Design	3.0	
2.	IN 5110	Object Oriented Programming	3.0	
3.	IN 5200	Software Engineering	3.0	
4.	IN 5210	Systems Analysis and Design	3.0	
5.	IN 5310	Operating Systems	3.0	
6.	IN 5400	Database Management Systems	3.0	
7.	IN 5500	Data Communication and Computer Networks	3.0	
8.	IN 5620	Web Programming and eBusiness Systems	3.0	
9.	IS 5910	Literature Review and Thesis writing	3.0	
10.	IN 5900	PG Diploma Project	4.0	PG Dip. Only
11.	IN 6900	MSc Project	16.0	MSc Only
12.	IN 6910	Research Methodology	3.0	MSc Only

Elective Modules

	Course Code	Course Name	Credits	Note
1.	IN 5120	Distributed Systems and Network Programming	3.0	
2.	IN 5300	Computer Organization	3.0	
3.	IN 5410	Data Mining and Data Warehousing	3.0	
4.	IN 5600	Multimedia Systems	3.0	
5.	IN 5610	Image Processing and Computer Graphics	3.0	
6.	IN 5700	Human Computer Interaction	3.0	
7.	IS 5400	Management Information Systems	3.0	
8.	IS 5410	IT Project Management	3.0	
9.	IS 5420	Quality Assurance	3.0	
10.	CM 5401	Computer Intelligence	3.0	

Learning Resources

The Faculty is in the process of implementing technology based learning solutions. As first step all you lecture materials and other learner support materials would be made available at:<http://moodle.itfac.mrt.ac.lk/>

Contacts

Immediate contact: *Ms. Kasuni* Tel. 0112650301 – Ext. 8115
msc-it@uom.lk

Course Coordinator: Mrs. GTI Karunaratne

Address: Faculty of Information Technology
University of Moratuwa
Katubedda, Moratuwa

Phone: 0112650301 Ext: 8115

www: www.itfac.mrt.ac.lk

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. 350,000.00
Course Fee for MSc	Rs. 50,000.00

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 “MSc/PG Dip in IT, 2022-Batch 15” on the top left hand corner of the envelop.)