



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

**APPLICANT INFORMATION**

**Faculty of Information Technology  
University of Moratuwa**

**February 2021**

## ***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 the 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***

MSc 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, students are required to obtain 60 credits

## ***Entry Requirements***

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*

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

### **Core Modules**

	<b>Course Code</b>	<b>Course Name</b>	<b>Credits</b>	<b>Note</b>
1.	IN 5102	Programming and Program Design	3.0	
2.	IN 5110	Object Oriented Programming	3.0	
3.	IN 5210	Systems Analysis and Design	3.0	
4.	IN 5200	Software Engineering	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 5621	Web Technologies 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 6901	MSc Project	20.0	MSc Only
12.	IN 6911	Research Methodology	3.0	MSc Only

### **Elective Modules**

	<b>Course Code</b>	<b>Course Name</b>	<b>Credits</b>	<b>Note</b>
1.	IN 5121	Emerging Trends in Distributed Systems	3.0	
2.	IN 5300	Computer Organization	3.0	
1.	IN 5410	Data Mining and Data Warehousing	3.0	
2.	IN 5600	Multimedia Systems	3.0	
3.	IN 5610	Image Processing and Computer Graphics	3.0	
4.	IN 5701	Human Centered Computing	3.0	
5.	IS 5410	IT Project Management	3.0	
6.	IS 5400	Management Information Systems	3.0	
6.	IS 5421	Software Testing and Quality Assurance	3.0	
7.	CM 5401	Computational 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. Nipuni Chandimali Tel. 0112650301 – Ext. 8100**  
[nipunic@uom.lk](mailto:nipunic@uom.lk) / [msc-it@uom.lk](mailto:msc-it@uom.lk)

**Course Coordinator:Mr. C.P. Wijesiriwardana**  
**Mr. S. Premaratne**

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

**Phone: 0112650301 Ext: 8115**

**www: <https://uom.lk/itfac>**

## ***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](http://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 2021**” on the top left hand corner of the envelope).