



MBA IN INFORMATION TECHNOLOGY

MBA IN eGOVERNANCE

2017 INTAKE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

UNIVERSITY OF MORATUWA

MBA IN INFORMATION TECHNOLOGY

The MBA in Information Technology (MBA in IT) postgraduate degree program combines the very best of a general MBA with further specialist knowledge in the application of Information Technology in management.

Conducted by a panel of experts drawn from the academia, industry, and public sector, this program aims to integrate the best practices in leadership, management, and business processes to an IT professional's range of skills. This postgraduate qualification is designed to produce the top-notch IT managers and business executives required by the fast expanding Sri Lankan IT industry.

MBA in IT degree program also offers a specialization in Business Analytics for professionals who plan to concentrate on applying data-driven business intelligence to management. Professionals who do not wish to obtain a specialization may pick a set of elective modules to match their interests. Details of the specialization are as follows:

- **Business Analytics**

The exponential growth of the data accumulated by the mankind has resulted in the phenomenon commonly referred to as *Big Data*—large, complex datasets that are impossible to comprehend for humans. A business organization can gain a competitive advantage by unlocking the hidden insights in their big data. This specialization explores the unique challenges and opportunities presented by big data, as well as their application to managerial decision making. Areas of study under the specialization include emerging disciplines of data science and business intelligence, enterprise information management, analysis for managerial decision making, and descriptive and predictive analytics. This specialization is useful for professional who would like to apply data-driven business intelligence to business decision-making at management, operation, and planning levels of modern organizations.

MBA IN EGOVERNANCE

In the modern Information Technology (IT) driven social and economic space, activities of the public sector organizations need to be aligned with the global trends in service and governance. The pivot for this improvement is a capable, trained, and motivated human resource that has the requisite knowledge and appreciation of Information and Communication Technology (ICT) in the service and management of public sector organizations.

The MBA in eGovernance postgraduate degree program combines the very best of a general MBA with further specialist knowledge in the area of IT-enabled public sector service design, delivery, and management.

Conducted by a panel of experts drawn from the academia, industry, and public sector, this degree program aims to integrate the best practices in management, advanced business processes, and modern public sector services to a professional who envisages leading eGovernance activities of public sector organizations. This postgraduate qualification is designed to produce the top-notch ICT specialists and eGovernance project managers required by the fast modernizing public sector organizations and services in Sri Lanka.

COURSE MODULES AND PROGRAM STRUCTURE

The MBA in IT and MBA in eGovernance postgraduate degree programs consists of a set of compulsory modules in business management and information technology, a set of program/specialization specific compulsory modules, elective modules, and a research study with a thesis or a portfolio of projects. Students may complete a portfolio of projects, as an alternative to the research study with a thesis. The research study or portfolio of projects is expected to be in the area of specialization.

The programs are structured as a six semester (two-year) degree program with each semester consisting of 14 weeks of academic activities. Lectures are held on One/Two weekdays from 5.30 PM to 8.30 PM in Colombo and on Saturdays at the University of Moratuwa. Recognizing the need to support public sector officials who may be assigned to duties in different areas of the country, MBA in eGovernance program may also facilitate alternative lecture schedules (e.g., selected weekends only, public holidays, residential training, etc.) depending on the student needs and lecturer availability. Lectures are also supplemented with online interactions via Moodle, Yammer, Google Hangout, Skype, Lync, etc.

In a typical study program arrangement, the first three semesters consist of taught course modules while the fourth and fifth semesters are a mix of taught courses and research/portfolio. The final semester is used for the research project and thesis writing or completion of a portfolio of projects.

MBA in IT and MBA in eGovernance degree programs require a total of 64 credits for completion. Thus, these degree programs are the first IT-related MBA programs in the country that satisfy the Sri Lanka Qualification Framework (SLQF) Level 8. Postgraduate Diploma (PG Diploma) in Business Administration specializing in IT or eGovernance degree program requires a total of 42 credits for completion (without the research project components or portfolio of projects) and can be completed in four semesters.

Course modules of the program are listed in Table 1. The program also includes a foreign study tour and industry visits. For example, in July 2016 students of the 2015 Intake visited several Global IT Giants in Singapore during a 3-day visit.

Table 1 – Course modules of MBA in IT and eGovernance postgraduate degree programs.

Code	Course Module	Credits	IT	IT + BA	eGov
Compulsory Management Modules					
CS5191	Communication and Presentation Skills	1.5	C	C	C
CS5193	Teamwork and Negotiation Skills	1.5	C	C	C
MN5201	Organizational Behaviour and Management	3	C	C	C
MN5205	Economics for Business	3	C	C	C
MN5206	Marketing Management	3	C	C	C
MN5207	Accounting and Financial Management	3	C	C	C
Compulsory Information Technology Modules					
CS5101	IT Project Management	3	C	C	C
CS5102	IT Policy and Planning	3	C	C	C
CS5103	Information System Management	3	C	C	C
CS5105	Information Security	3	C	C	C
Compulsory Research Modules					
CS5192	Skills for Research Project ¹	2	C	C	C
CS6107	Research Project ^{1,2}	20	C	C	C
CS5183	Business Research Report - Portfolio Project ^{1,2}	3	C	C	C
CS5184	Human Resource Development for Service Industry - Portfolio Project ^{1,2}	2	C	C	C

Code	Course Module	Credits	IT	IT + BA	eGov
Program Specific, Specialization Specific, and Elective Modules					
CS5104	Management Information Systems	3	E	E	E
CS5111	Networking and Communication	3	E	E	
CS5112	Internet Technologies	3	E	E	
CS5114	E-Commerce; Principles and Infrastructure	3	E	E	E
CS5115	IT Procurement Management	3	E	E	C
CS5116	IT and Society	3	E	E	
CS5117	Visual Application Development	3	E	E	E
CS5121	Enterprise Information Management	3	E	C	
CS5122	Descriptive and Predictive Analytics	3	E	C	
CS5131	Enterprise Information Management - Portfolio Project ^{1,2}	3		C	
CS5132	Descriptive and Predictive Analytics - Portfolio Project ^{1,2}	3		C	
CS5133	Business Intelligence - Portfolio Project ^{1,2}	3		C	
CS5141	IT Project Management - Portfolio Project ^{1,2}	3	C		
CS5142	IT Policy and Planning - Portfolio Project ^{1,2}	3	C		
CS5143	Information System Management - Portfolio Project ^{1,2}	3	C	C	
CS5145	Information Security - Portfolio Project ^{1,2}	3	C		
CS5151	Public Sector Management	3			C
CS5152	e-Government Concepts	3			C
CS5153	Interoperability and Integration in e-Government	3			C

Code	Course Module	Credits	IT	IT + BA	eGov
CS5154	Legal Frameworks for e-Governance	1.5			C
CS5155	e-Development Case Studies	1.5			C
CS5161	Public Sector Management - Portfolio Project ^{1,2}	3			C
CS5162	e-Government Concepts - Portfolio Project ^{1,2}	3			C
CS5163	Interoperability and Integration in e-Government - Portfolio Project ^{1,2}	3			C
CS5164	e-Development and Legal Framework - Portfolio Project ^{1,2}	3			C
CS5172	Concepts in Media and Communication	1.5			E
CS5173	Special Topics in eGovernance and ICT4D	1.5			E
CS5181	Business Cases in Information Technology - Portfolio Project ^{1,2}	3	C		
CS5182	Business Cases in Business Analytics - Portfolio Project ^{1,2}	3		C	
CS5185	Business Cases in e-Government - Portfolio Project ^{1,2}	3			C
CS5250	Human Computer Interaction	1.5	E	E	
CS5251	Local Language Computing	1.5	E	E	
CS5253	Software Quality	1.5	E	E	
CS5401	System and Network Design	3	E	E	
CS5431	Systems Audit and Vulnerability Assessment	3	E	E	
CS5450	System and Network Administration	1.5	E	E	
CS5618	Business Intelligence	3	E	C	
CS5814	IT Law	3	E	E	E
CS5850	e-Learning	1.5	E	E	

Code	Course Module	Credits	IT	IT + BA	eGov
MN5202	Analysis for Managerial Decision Making	3	C	C	
MN5208	Strategic Management	3	C	C	
MN5214	Human Resource Management	3	E	E	E
MN5215	Supply Chain Management	3	E	E	E

Key:

- BA - Business Analytics specialization
- C - Compulsory module
- eGov - eGovernance degree program
- E - Elective module
- IT - Information Technology degree program
- 1 - Not applicable for students taking the PG Diploma
- 2 - Students may take either a Research Project or a Portfolio of Projects

Note: Offering of a particular degree program, specialization, or a course module during a given academic year is subject to having the minimum number of registrations.

RESOURCE PERSONS

The MBA in IT and MBA in eGovernance postgraduate degree programs are conducted by senior academics of the University of Moratuwa with research specializations in specific study areas complemented by specialists from the industry.

Prof. Gihan Dias

BSc Eng Hons (Moratuwa), MSc (UCSB), PhD (UCD), MIE(SL), CEng
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Prof. Sanath Jayasena

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Dr. Shantha Fernando

BSc Eng Hons (Moratuwa), MPhil (Moratuwa), PhD (Delft), MIE (SL), MIEE (London), CEng
Senior Lecturer, Dept of Computer Science and Engineering, University of Moratuwa

Dr. Chandana Gamage

BSc Eng Hons (Moratuwa), MEng (AIT), PhD (Monash), MIE (SL), CEng
Senior Lecturer, Dept of Computer Science and Engineering, University of Moratuwa

Ms. Vishaka Nanayakkara

BSc Eng Hons (Moratuwa), Tech Licentiate (Chalmers),
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Dr. Shehan Perera

BSc Hons (Colombo), MSc (NDSU), PhD (NDSU)
Senior Lecturer, Dept of Computer Science and Engineering, University of Moratuwa

Dr. Rapti de Silva

BA Hons (Virginia), MSc (Virginia), PhD (Syracuse),
Senior Lecturer, Dept of Computer Science and Engineering, University of Moratuwa

Dr. Dilum Bandara

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Senior Lecturer, Dept of Computer Science and Engineering, University of Moratuwa

Dr. Dulani Meedeniya

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Dr. Surangika Ranathunga

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Senior Lecturer, Dept of Computer Science and Engineering, University of Moratuwa

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Senior Lecturer, Dept of Computer Science and Engineering, University of Moratuwa

Prof. Ananda Jayawardena

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Professor, Dept of Civil Engineering, University of Moratuwa

Prof. Asoka Perera

BSc Eng (Moratuwa), MSc (Lough), PhD (Lough), MIE (SL), CEng

Professor, Dept of Civil Engineering, University of Moratuwa

Prof. Kennedy D Gunawardana

BSc (Bus. Admin.) (SJP); MBA (Colombo); CMA (Au), FIPA (SL), PhD (Computer Engineering Mgt)

Professor, Department of Accounting, University of Sri Jayewardenepura

Dr. Ajith Colonne

BSc (Colombo), MA(Colombo), MBA(SJP), PhD (International University of America)
Management Consultant

Dr. Madhu Fernando

ME (RMIT), DBA (Swinburne), PMP
Chairman, GIPM Project Management Campus; CEO, Innova Strategies

Mr. Mario Fonseka

FCMA, Dip Marketing (UK), FSCMA, MBA (PIM)
Corporate Trainer / Management Consultant, Good 2 Great Consulting (Pvt) Ltd

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Management Consultant

Mr. Mahesh Jayasinghe

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HRM Consultant/Director, Kent Ridge (Pvt) Ltd

Dr. Prathibha Mahanamahewa

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Senior Lecturer, Faculty of Law, University of Colombo

Mr. Chandrasiri Weerasekera

BSc Eng Hons (Moratuwa), MBA (PIM), MBCS (UK), SCSSP (USA), MIE (SL), CEng
IT Consultant

Mr. Mangala P Wickremasinghe

BSc (Peradeniya), MSc (Colombo), MBA-IT (Moratuwa)
Head of Payment Cards & Electronic Delivery Channels, Hatton National Bank PLC

Ms. Menasha Kodithuwakku

MBA (Southern Queensland), DIP. M (UK), MCIM (UK), Chartered Marketer (UK)
Corporate Trainer

Ms. Jeeva Padmini

MBA-IT (Moratuwa), BSE (Open University), MBCS, AMIE (SL)
Virtusa (Pvt) Ltd.

Ms. Ravindi Jayasundara

BSc (Colombo), MSc (Moratuwa)
Lecturer, Department of Mathematics, University of Moratuwa

ELIGIBILITY REQUIREMENTS

The MBA in IT and MBA in eGovernance postgraduate degree programs requires a prospective candidate to fulfill the following eligibility criteria for course enrollment.

- An Honours Bachelor's degree of the University of Moratuwa and a minimum period of experience of one (01) year;
OR
- Any other four-year degree from a recognized University and a minimum period of experience of one (01) year as may be approved by the Senate;
OR
- Any other three-year degree from a recognized University and a minimum period of experience of two (02) years 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 period of experience of two (02) years as may be approved by the Senate.

SELECTION PROCESS

The selection to the MBA in IT and MBA in eGovernance postgraduate degree programs is through an open competitive process. The applicant's educational qualifications, professional qualifications, commitment to advanced study, demonstrated aptitude for business analysis, potential for career development in the managerial track, English language skills required for preparation of study/analysis outcomes and knowledge dissemination, and academic/professional references all contribute to the evaluation of a candidate. Following are the specific steps involved in the selection process:

1. Each applicant is evaluated for the conformity with the applicable eligibility criteria based on the information provided with the application. All applicants satisfying the eligibility criteria will be invited to a selection test.
2. The applicants who satisfied the eligibility criteria will appear for an online selection test of one-hour duration and a writing skills evaluation test of 45-minutes duration. The selection test consisting of multiple-choice, short-answer, and similar questions will examine the applicant's knowledge in areas such as Current Affairs, General Knowledge, IQ, English Language, and Mathematical proficiency. All applicants who are successful at the selection test will be invited to a selection interview (usually on the same day).
3. The applicants who were successful in the selection test will face an interview of 10-15 minute duration by an interview panel of not less than three persons. The interview will ascertain the applicant's suitability and competency for the study program.
4. Based on the marks received by each applicant for the selection test and the selection interview, the applicants will be ranked and placed into a "Selected Candidates List" and a "Waiting List". After the completion of the selection process, all applicants will be informed of their application status. If an applicant from the Selected Candidates List fails to enroll in the study program within the stipulated period, that opportunity will be afforded to an applicant from the Waiting List.

COURSE FEE AND PAYMENT STRUCTURE

The course fee for the MBA in IT and MBA in eGovernance programs can be paid in full at the commencement of the course or in installments during the course duration.

- Full Payment - Rs. 450,000/- (by 16th December 2016)
OR
- First installment – Rs. 225,000/- (by 16th December 2016)
- Second installment – Rs. 175,000/- (by 01st August 2017)
- Third installment – Rs. 50,000/- (by 01st March 2018)

The third installment will be waived off for students who attain an overall GPA of 3.8 (max of 4.2) based on the results of the first 3 semesters.

Above course fee includes Annual Academic Registration Fees, Semester Examination Fees, a Library Deposit of Rs. 2,500/-, and Government taxes (NBT at 2%). Course fee also covers up a subset of the fees related to the foreign study tour and industry visit.

HOW TO APPLY

1. Pay the application-processing fee.

The application processing fee of Rs. 1,000/- may be paid either to University Shroff (weekdays from 9.00 AM to 12.30 PM and 1.30 PM to 3.00 PM) or as a payin voucher of Rs. 1,000/- obtainable at any Bank of Ceylon branch by paying Rs. 1,000/- to the credit of "University of Moratuwa – A/C No. 306836".

2. Fill up the online application form at <http://postgrad.cse.mrt.ac.lk>. You need to attach all documents indicated in the application form. Once submit you will receive a PDF of the filled application. Print the completed application and then sign it.
3. Arrange for Letters of Recommendation.

You are required to provide **two (02)** Letters of Recommendation. We highly recommend obtaining one of the recommendations from a teacher of an institution you studied recently, and another from your current supervisor. Ensure that your Letters of Recommendation requests are communicated to the relevant recommender on time.

Request the recommender to use the same e-mail address that you used while filling up the application, and also request the recommender to use the official e-mail address whenever possible.

Once the recommendation form is submitted recommender will receive a confirmation e-mail with an attached PDF as a record. You will also receive a notification to the provided e-mail address.

4. Submit printed and signed Application with a copy of the application processing fee receipt, transcript, degree certificate, and NIC.

Send the completed application by registered post to:

MBA Course Coordinator,
Dept. of Computer Science and Engineering,
University of Moratuwa,
Katubedda,
Moratuwa 10400.

Or

Hand in the completed application to:

MBA Course Assistant
Dept. of Computer Science and Engineering,
University of Moratuwa

Signed Application, all supplementary documents as indicated in the application form, a copy of the Application Processing Fee Receipt, and online Letters of Recommendation must reach the Department of CSE by the application deadline.

5. If you are invited to the selection test (usually will be informed within 1 week from the application deadline), prepare the following application pack and bring to the selection test:
 - Copy of completed "Application Form"
 - Updated "Curriculum Vitae" of the applicant
 - Your National Identity Card (NIC), Driving License, or Passport
 - Original birth certificate
 - Original academic/professional certificates – specially degree certificate and transcript
 - Membership of professional institutes
 - Completed "Letter of Consent Form" from the employer (if applicable)
 - Letter of sponsorship (if applicable)
 - Copy of the application processing fee receipt
 - Any other documentation in support of your application
 - Invitation letter

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