



# UNIVERSITY OF MORATUWA

## Faculty of Information Technology

### Department of Computational Mathematics

## MSc in Artificial Intelligence - 14<sup>th</sup> Intake

Department of Computational Mathematics of the University of Moratuwa announces the commencement of the 14<sup>th</sup> intake of MSc/PG Dip.in Artificial Intelligence.

The primary objective of the programme is to impart the knowledge of theory and applications of modern Artificial Intelligence technologies to devise intelligent software solutions for tomorrow's world thereby ensuring multifaceted career paths for the potential candidates.

### Entry Requirements

The Honours degree of the Bachelor of Science in Information Technology or the Honours degree of the Bachelor of Science in Information Technology and Management of the University of Moratuwa, Sri Lanka;

OR

The Honours degree of the Bachelor of the Science of Engineering of the University of Moratuwa, Sri Lanka in a relevant field of specialization 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 honours 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 first year offers a wide range of courses in Artificial Intelligence covering:

#### Semester 1

- Programming Essentials for Artificial Intelligence
- Essentials of Artificial Intelligence
- Mathematics for Artificial Intelligence
- Distributed Computing Concepts for AI
- Deductive Reasoning and Logic Programming
- Neuroscience & Neurocomputing
- Evolutionary Computing
- Artificial Cognitive Systems
- Fuzzy Reasoning
- Reinforcement Learning

#### Semester 2

- Data Mining and Data Warehousing
- Software Agents and Swarm Intelligence
- Cryptography and Security Mechanisms
- Semantic Web and Ontological Engineering
- Intelligent Solutions for Industry
- Natural Language Processing
- Embedded Robotics
- Inductive Logic Programming
- Kansei Systems
- Applied Machine Learning

The second year offers a Research project and the following compulsory modules

- Research methodologies
- Philosophy of Science
- Scientific Communication

### Application Procedure

Application forms and other relevant information can be obtained from the Assistant Registrar, Faculty of Information Technology, University of Moratuwa Katubedda, Moratuwa.

Application forms can also be downloaded from our website:

<https://uom.lk/itfac>

Duly filled applications should be handed over to the Faculty office at Moratuwa or sent under Registered Post with a paying-in-slip Voucher obtained from any branch of Bank of Ceylon for Rs.5,000/= (being the application fee for MSc/PG Dip in AI) drawn in favour of the Bursar, University of Moratuwa (Account No.70993353) together with copies of relevant educational & experience certificates to reach:

**Course Coordinator MSc/PG Dip in AI**  
**Department of Computational Mathematics,**  
**Faculty of Information Technology,**  
**University of Moratuwa**  
**Katubedda, Moratuwa.**

(Please indicate "Application for MSc/PG Dip in AI 2021" on the top left hand corner of the envelope)

### Fee Structure

Non Refundable Application Fee	Rs.	5,000
Registration fee	Rs.	5,000
Non Refundable Library Deposit	Rs.	2,000
Refundable Library Deposit (per book)	Rs.	2,500
Course fee year 1	Rs.	350,000
Course fee year 2	Rs.	125,000

**Closing date for the  
 submission of  
 applications is  
 21<sup>st</sup> May 2021**

### Further details:

Tel : 2650301 Ext: 8200 (Amal)

Email: [sagaras@uom.lk](mailto:sagaras@uom.lk)