



# UNIVERSITY OF MORATUWA

## Faculty of Information Technology

### Department of Computational Mathematics

## Master of Science in Artificial Intelligence 2023

Department of Computational Mathematics of the University of Moratuwa announces the commencement of the 16th intake of MSc./PG Diploma in Artificial Intelligence. The primary objective of the programme is to impart the knowledge of theory and applications of modern Artificial Intelligence technologies to device 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 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 relevant 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

#### Duration

**M.Sc.:** Two Years Part-time

**PG Diploma:** One Year Part-time

All lectures, assignments, seminars and field visits will be normally conducted on Saturdays and Sundays. Those who successfully complete the examinations, assignments and seminars of first year will be eligible for the award of a Postgraduate Diploma. The Master of Science Degree will require the completion of a one year research project during the second year. All lectures will be delivered online/ physical depending on the circumstances.

The course offers a wide range of courses in Artificial Intelligence covering:

- Essentials of Artificial Intelligence
- Neuroscience & Neurocomputing
- Evolutionary Computing
- Artificial Cognitive Systems
- Fuzzy Reasoning
- Natural Language Processing
- Intelligent Solutions for Industry
- Reinforcement Learning
- Software Agents & Swarm Intelligence
- Semantic Web and Ontological Engineering
- Applied Machine Learning
- Data Mining & Data Warehousing
- Distributed Computing Concepts for AI
- Deductive Reasoning & Logic Programming

### Application Procedure

Candidates are required to submit applications via ONLINE mode (via internet) for the academic year 2023/2024 with a scanned copy of a paying-in-slip voucher obtained from any branch of Bank of Ceylon for Rs. 5,000/= (being the application fee for MSc/PG Diploma in AI) drawn in favour of the Bursar, University of Moratuwa (Account No: 70993353) together with copies of relevant educational & experience certificates. Applications received in no other medium will be accepted.

Online application forms can be found in URL:

[https://lms.uom.lk/apply\\_pg.php](https://lms.uom.lk/apply_pg.php)

Candidates must enter the mobile number and email address with utmost care as all further intimations will be made either via mobile number or via email.

### 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 I	Rs. 400,000
Course Fee Year II	Rs. 140,500

Closing date for the submission of the application is **9th August 2023**

Dr. Thilini Piyatilake

Course Coordinator

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Registrar  
University of Moratuwa