



**Department of Computer Science & Engineering  
Faculty of Engineering  
University of Moratuwa**

# **MSc in Data Science & AI**

The MSc in Data Science & Artificial Intelligence (AI) postgraduate degree program is designed to provide practicing professionals having an engineering/science background with in-depth technical knowledge and exposure to emerging and niche topics in data science & AI.

Compared to the Data Science & Engineering specialization in our MSc in Computer Science, this program offers more advanced knowledge in machine learning, deep learning, artificial intelligence and data science in addition to core software engineering and computer science topics. Furthermore, this program offers a wider range of electives focused on emerging topics in data science and AI, and their applications.

The following are **some of the key topics** covered in the program:

- Machine learning
- Deep learning
- Data mining
- Data visualization
- Business intelligence
- Big data
- Data analytics
- Machine vision
- Image processing
- Natural language processing
- Bioinformatics
- Cloud computing
- Game theory
- Information security
- ML ops
- Data engineering

## **Eligibility Requirements**

- An Honours Bachelor's degree of the University of Moratuwa in a relevant field, as may be approved by the Senate.
- Any other four-year degree in Engineering or Science or Technology from a recognized University in a relevant field as may be approved by the Senate.
- Any other three-year degree in Engineering or Science or Technology from a recognized University in a relevant field with a minimum of one year period of appropriate experience as may be approved by the Senate.
- Any recognized category of membership of a recognized professional institute obtained through an academic route with a minimum of one year period of appropriate experience as may be approved by the Senate.

*All qualified applicants will be notified of their eligibility and will be invited for a selection test and a subsequent interview conducted by the Department of Computer Science & Engineering. The postgraduate degree programs of the Department of Computer Science & Engineering will commence on **04<sup>th</sup> January 2025**.*

**For application forms and details on applying, visit <http://postgrad.cse.mrt.ac.lk>, email [postgrad@cse.mrt.ac.lk](mailto:postgrad@cse.mrt.ac.lk) or phone 078-5518591**

**Applications Close - August 26, 2024**

**Registrar  
University of Moratuwa  
Moratuwa 10400**