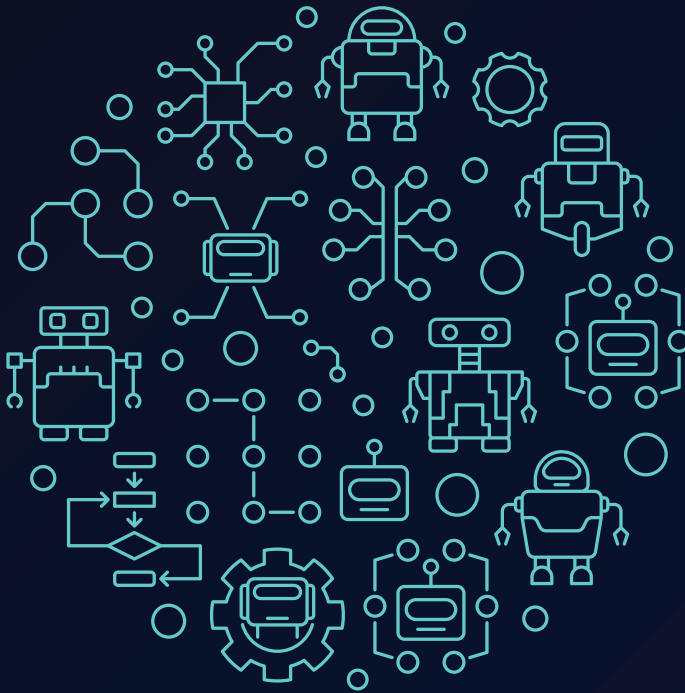




Middlesex
University
Dubai



MSC DATA SCIENCE

MSC ROBOTICS

MSC DATA SCIENCE

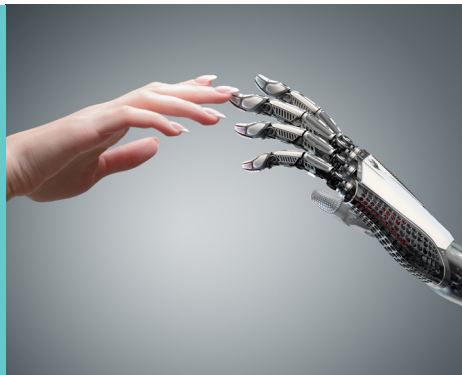
- Modelling, Regression and Machine Learning
- Visual Data Analysis
- Applied Data Analytics: Tools, Practical Big Data Handling, Cloud Distribution
- Legal, Ethical and Security Aspects of Data Management
- Individual Data Science Project



MSc Data Science is designed to offer an opportunity to develop key skills in analytics storytelling (business), statistics (math and algorithms) and data engineering (computing). The programme focuses on the intertwining areas of machine learning, visual analytics and data governance, with the aim of striking a balance between theoretical underpinnings, practical hands-on experience, and acquisition of industrially-relevant languages and packages.

MSC ROBOTICS

- Robotic Systems and Control - Compulsory
- Software Engineering and Simulation of Robotic Systems - Compulsory
- Group Project - Compulsory
- Robot Systems Integration - Compulsory
- Individual Major Project - Compulsory
- Industrial Manipulators - Optional
- Robotics in Medicine - Optional
- Mobile Robotics - Optional
- Artificial Intelligence in Robotics - Optional



MSc Robotics aims to prepare professionals to take a leading role in research and development of future generations of robotics and artificial intelligence systems. The programme blends practice with theory and equips students with the skills, knowledge, and experience they need for a career as a robotics researcher or development expert. Students will study the key hardware and software skills demanded by the robotics industry, enabling progression into more specialised areas such as medical robotics, mobile robotics or industrial robotics. Workshops will take place using a variety of industry standard and domestic robots in specialist labs, providing students with a breadth of experience using the latest technologies and mobile platforms.

For additional information about the programme, please contact the Head of Computer Engineering and Informatics, Dr Fehmida Hussain
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Industry Experts and Teaching Team



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Director, Interactive Robots and Media Laboratory.
Startup Mentor for the MIT Enterprise Forum at Massachusetts Institute of Technology (MIT)
PhD: Robotics and AI - MIT



Dr Zheng Zhu

Data Scientist, Risk Expert, Asset management, Fellow at Mathematics Institute, University of Oxford
PhD : Computer Science University of London



Dr Amit Garg

Founder & Chief Scientist at ORMAE with Guinness World Record in Mathematics
Industry experience as Senior Scientist in USA at Amazon, Genesys, Progressive Insurance & Penske, Case Western Reserve University, NASA & IIT.
PhD: Operation Research - Case Western Reserve University



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Resources for MSc Data Science



Resources for MSc Robotics



Industry Partners



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