



PROJECT
MANAGEMENT
CUSTOMER RELATIONSHIP
LEADERSHIP
ORGANISATIONS
ETHICS & CORPORATE
GOVERNANCE

MARKETING
MANAGERIAL ECONOMIC
OPERATION
BUSINESS
STATISTICS
STRATEGY
FINANCIAL
RISK MANAGEMENT
METHOD

MASTER IN CONSTRUCTION ENGINEERING AND MANAGEMENT

KPT REF. NUMBER: (R/526/7/0112) (09/20)
MQA REF. NUMBER: MQA/A1147 & A11572
School of Science & Engineering



UNIVERSITY OF THE FUTURE

MASTER IN CONSTRUCTION ENGINEERING AND MANAGEMENT

The MUST Master programme in construction engineering and management provides students with the critical knowledge and background essential to making decisions at site, organisation, industry and sector levels. Students learn the very concepts and methodologies that effect execution of construction implementation through proper project scheduling, estimation and costs control.

WHAT IS IT ALL ABOUT?

MSc in Construction Engineering & Management has been designed to teach students the managerial aspects in project implementation focusing on sound decision-making skills with respect to construction evaluation, financial planning, productivity optimisation, technology awareness and delivery methodologies whilst always being sensitive towards the legal, environmental and ethical aspects of construction. The programme emphasises on advanced study in the field of management techniques, in new and emerging technologies for construction project delivery and in the administration of construction firms.

Through this rigorous programme, you will be enriched by a progressive educational experience that prepares you to function effectively and efficiently in a globalised economy in a sustainable mode.

The structure of the programme is by Coursework and Thesis (MODE B) is offered for fulltime and part-time students.

Programme Duration

The duration of study for fulltime is 1.5 to 3 years and for part-time is 2 to 4 years



CURRICULUM OUTLINE

(Coursework and Thesis - Mode B)

- Engineering Systems Analysis for Design
- Project Evaluation & Finance
- Project Management
- Innovative Project Delivery
- Project Technology
- Strategic Management in Construction
- Relevant/Related elective courses from other programmes



Careers, Industry & Pathway

- Civil or Military Construction Operations
- Civil Infrastructure and Building Construction projects and Facility Operations
- Construction Supply Chain
- Project Manager for various engineering (aerospace, automotive, oil & gas, marine, power, etc.) projects
- Academics

Entry Requirements

- Obtained at least a Second Upper Class honours degree or CGPA of 3.00 or above (on a 4-point scale) in a relevant field (or an equivalent qualification) from a university of acceptable standing, and recognised by the Malaysian Government.
- Applicants who do not meet the required minimum qualification but with some relevant working experience will also be considered.

LANGUAGE PROFICIENCY

- Passed the Test of English as a Foreign Language (TOEFL) with a score of 600, or higher is required; OR
- Passed International English Language Testing Service (IELTS) with a minimum overall score of 6.5 and at least 6.0 on each individual component of the test; OR
- Provide other proof of English proficiency as evaluated through personal interviews with MUST.

Business Strategy

Strategy
Planning
Solution
Marketing
Analysis
Ideas

Innovation
Branding
Solution
Marketing
Analysis
Ideas
Success





GPS: 3.154176, 101.596092

Search Maps : Malaysia University of Science and Technology (MUST)



In 1995, the then Prime Minister, Tun Dr Mahathir Mohammad and a delegation from Malaysia made a working visit to Massachusetts Institute of Technology (MIT) and endorsed the establishment of university modelled after MIT. An agreement was signed in January 1997 to establish the Malaysia University of Science and Technology (MUST).

In its formative years, MUST was fully assisted and supported by MIT, a world-renowned university noted for its education and research in advanced science and technology.

MUST emulated MIT's method of teaching and learning which encourages creativity, analytical thinking, problem-solving, innovation and team-building. These are qualities that have been proven to be successful in producing entrepreneurial leadership in science, technology, business and management.

MUST also nurtures a research-driven culture in all fields of expertise to ensure depth of understanding and confidence in facing practical problem. The MIT model has been the impetus of the MUST culture that is vibrant, innovative and purposive to our local environment.



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