
**FACULTY OF ENGINEERING, SCIENCE AND
TECHNOLOGY (FEST)**

**THE MALDIVES NATIONAL UNIVERSITY
MALE' REPUBLIC OF MALDIVES**

TERMS OF REFERENCE
for Consultancy Services to Develop Curriculum of
Undergraduate and Master's Programmes in
Architecture

1. Background

Faculty of Engineering, Science and Technology (FEST) is seeking the services of a consultant/ team to undertake the works necessary to upgrade the undergraduate Architecture curriculum and develop a Master's degree in Architecture. The finalized curriculums should incorporate sustainability concepts such as green building and energy efficiency building practices, compact living, and meet the International Accreditation (RIBA) requirements.

2. Objectives of Assignment

The Objective of this consultancy is to upgrade the curriculum of undergraduate Architecture degree and develop a Master's degree in Architecture that meets the requirements of sustainability concepts such as green building concepts and energy efficiency building practices, compact living, and meet the International Accreditation (RIBA).

3. Scope of Works

The consultant/ team will be in constant communication with FEST and directly responsible to deliver the following outputs:

- A. Upgrade the curriculum of undergraduate Architecture programme to incorporate green building concepts, energy efficiency building practices, compact living and sustainability concepts in a way that there is logical coherence between all the related subjects such as design, building technologies, building science and culture.
- B. The undergraduate curriculum to be benchmarked with known international programmes enabling potential future accreditation by bodies (RIBA, NAAB, Canberra Accord, etc.) to a Part 1 equivalent programme.
- C. The course document for undergraduate Architecture degree to be upgraded and redeveloped to be immediately approved by Committee on Courses CoC and accredited at MNQF level 7, Bachelor's Degree.
- D. Develop the curriculum of Master's in Architecture programme focused on green building concepts, energy efficiency building practices, compact living and sustainability concepts in a way that there is logical coherence between all the related subjects such as design, building technologies, building science and culture etc.
- E. The Master's degree curriculum to be benchmarked with known international programmes enabling potential future accreditation by bodies (RIBA, NAAB, Canberra Accord, etc.) to a Part 2 equivalent programme.
- F. The course document for Master's degree programme in Architecture to be developed to be immediately approved by CoC and accredited at MNQF level 9, Master's Degree.
- G. Consultants must identify the Legal and Policy instruments in the Maldivian context relating to green building concepts and energy efficiency building practices and the

practice of Architecture. Consultants must find means to integrate these across the subjects taught in the developed curricula for Architecture.

- H. Consultants must identify the Concepts and Theories relating green building and energy efficiency building practices and introduce relevant green-star-rating systems in the developed curricula for Architecture. The consultants must find means to integrate these across the subjects taught in the developed curricula for Architecture.
- I. The consultants must develop a Matrix table for the exercises in undergraduate and Master’s programmes demonstrating the following:
 - How the exercises are inter-connected over the units and across the timeline of the semesters
 - How lags in one exercise as consequence of delays in another related exercise may be minimized.
 - How the exercises cover the content on Concepts and Theories relating green building and energy efficiency building practices (In addition to the matrixes required by MQA for course approval).
- J. The unit outlines for the revised undergraduate course in Architecture and the new Masters programme in Architecture must identify details of exemplar exercises with the inclusion of marking schemes and the reading resources and equipment necessary for the unit.
- K. The unit outlines for the revised undergraduate course in Architecture and Masters programme in Architecture must be in the most recent CoC format and identify weekly programmes/topics with learning objectives, descriptions and list primary reference texts and supplementary reading.
- L. Final Evaluation Report for the revised undergraduate course in Architecture and the Masters programme in Architecture must include components to address: Quality Control; Monitoring; Evaluation; List of equipment and resources necessary for the course and framework for international accreditation.
- M. Final Evaluation Report must highlight the process, lessons learned and options for scalability, and propose recommendations
- N. Final Evaluation Report must be compiled with all the works undertaken under the Scope of Works listed above which are not required under the MQA course document template.

4. Deliverables

Deliverable	Deliverable Date*
1. Draft CoC course document for Architecture undergraduate degree	1 month
2. Draft CoC course document for Architecture Masters degree	3 months

3. Draft MQA curriculum document for Architecture undergraduate degree	2 months
4. Draft MQA curriculum document for Architecture Master's degree	4 months
5. Final Course Documents and Evaluation Report: a. MQA curriculum document for Architecture undergraduate degree b. MQA curriculum document for Architecture Master's degree c. Final Evaluation Report	6 months

* From the date of contract signing

5. Duration of the Consultancy

Duration of the assignment is 6 calendar months upon signing the contract.

6. Reporting Requirements

- Consultants are expected to work closely with the FEST.
- The consultants will report directly to Dean of FEST or any relevant person assigned by the Dean of FEST.
- A key member of the Consultant team is required to physically attend a minimum of 4 meetings:
 - Prior to deliverable 1 & 2 – Draft CoC course document for undergraduate and Masters programmes to discuss its contents
 - After deliverable 3 & 4 - Draft MQA course document for undergraduate and Masters programmes to discuss its contents
 - After Draft of Final Evaluation Report to discuss its contents
 - With deliverable 5 - With Final Course Documents and Evaluation Report Draft.
- Expenses of travel and accommodation etc. will have to be borne by the consultants.
- For meetings held under this consultancy, the Minutes of Meeting must be provided to FEST within 3 days of the meetings.

Check list of Documents to Submit

The bidder must submit all the documents listed in the checklist in order to proceed to the technical evaluation.

- ID card copies or passport copies of consultant/ all individuals on the team
- Financial proposal with a validity of 90 days (consultancy fees)
- CVs of consultant / team (all individuals).
- Letters of experience