
TERMS OF REFERENCE FOR CONSULTANCY

Accelerating Higher Education Expansion and Development (AHEAD) Operation
Improve the Quality of Higher Education Enriching Learning, Teaching, Assessment and
English Language Skills Enhancement Development Projects (ELTA-ELSE DPs)

Faculty of Science, Eastern University, Sri Lanka

Consultancy on designing the industrial based course (optional course)

1. BACKGROUND

The development of the higher education sector is of central importance to enable Sri Lanka to make the transition from a Lower-Middle Income Country (LMIC) to an Upper Middle-Income Country (UMIC). Recognizing this, the Government of Sri Lanka (GoSL) and the World Bank have agreed to support the higher education sector through a Bank funded Accelerating Higher Education Expansion and Development (AHEAD) operation.

2. THE OPERATION

Accelerating Higher Education Expansion and Development (AHEAD) operation is organized into two components. The first is a Program Component that supports the national Higher Education Development Program. The second is a system strengthening, capacity building and technical assistance component that will assist GoSL to strengthen the higher education sector and achieve the objectives of the AHEAD program component. This second will also cover monitoring and evaluation, policy analyses, program coordination and communication.

The implementing agency is the Ministry of Higher Education and Highways (MHEH). The University Grants Commission (UGC) will coordinate the activities of the universities. There will be an Operations Monitoring and Support Team (OMST) which will coordinate and support all AHEAD activities between the MHEH, UGC, and the universities.

AHEAD has three Results Areas:

Results Area 1: Increasing Enrollment in Priority Disciplines for Economic Development

Results Area 2: Improving the Quality of Higher Education

Results Area 3: Promoting Research, Development and Innovation

The results Area 2 focuses on Enriching Learning, Teaching, Assessment and English Language Skills Enhancement (ELTA-ELSE) Development Projects (DPs) for Faculties. The Faculty of Science of the Eastern University, Sri Lanka won the competitive grant for the ELTA-ELSE project for implementing the identified five activities that are essential for Results Area 2.

3. THE OBJECTIVE OF THE CONSULTANCY

The objective is to design an industrial based course (optional course) with industrial training (02 credits with 200 notional hours) as a special component to increase career opportunities and provide exposure to current demands.

4. SCOPE OF THE CONSULTANCY

The scope is to develop the course structure to incorporate industrial training as a component into the following subject disciplines:

1. *Botany (Green Technology and Resource Management)*
2. *Mathematics*
3. *Physics*
4. *Computer Science*
5. *Chemistry*
6. *Zoology*

To this end, the appointee will be able to get course material with the followings;

- (a) design the intended learning outcomes (ILOs) for the optional course;
- (b) design the teaching learning methods to achieve the ILOs;
- (c) Implemented the assessment methods to evaluate the achievement of the ILOs.

5. KEY TASKS AND RELATED ACTIVITIES

The main duties and responsibilities of the consultant will be to:

No.	Key Task	Required Deliverable	Time frame (after signing the contract)
01.	Conduct stakeholder meetings with the relevant staff of the Faculty of Science and other appropriate parties including industries, and develop an outline to enhance the industrial linkage in the curriculum of the study program;	Observation Report	Eight weeks
02.	Design and submit a draft course structure to integrate industrial linkage into the curriculum of the study program by conducting a number of discussions/workshops with the relevant Faculty of Science staff;	Course plan (draft)	Eight weeks
03.	Build a strong relationship between the academics and the industries through interactions and visit;	Observation Report	-
04.	Organize and conduct training programs for staff;	Observation Report	Four weeks

05.	Facilitate industrial training placements in general and specific for the sustainability of the work being involved;	Observation Report	Two weeks
06.	Submission of final report comments and reviews and submission of final report incorporating the comments as appropriate	Course plan (final)	Two weeks

6. DURATION OF THE ASSIGNMENT

The contract will run for six months (06) from the date of signing the contract.

7. MODE OF PAYMENT

A consultancy fee of LKR. 400,000 will be paid as lump sum based on successful completion of the key tasks mentioned above and submission of the final report to the satisfaction of the Faculty of Science.

8. REQUIRED QUALIFICATIONS & EXPERIENCE

A senior academic with PhD degree in the relevant subject disciplines or an industrialist holding a Science based PhD degree in the relevant subject discipline is preferred. Experience in curriculum development and conducting workshops for the study programs is highly desirable.

9. METHOD OF APPOINTMENT

ICC source selection procedure will be followed.

10. REPORTING THE DELIVERABLES

The consultant shall closely coordinate and report to the activity coordinator as well as the ELTA-ELSE project coordinator. At the end of the assignment the consultant should submit the OTS, EUSL the soft copy and hard bound of the course material developed for the optional course in Chemistry integrated with industrial linkage in the existing curriculum of the study programs of Faculty of Science, Eastern University, Sri Lanka with

- (a) the intended learning outcomes (ILOs);
- (b) the teaching learning methods to achieve the ILOs;
- (c) the assessment methods to evaluate the achievement of the ILOs.

11. REQUIRED PROFESSIONAL COMPETENCIES

- Knowledge of curriculum development incorporating industrial linkage in in the relevant subject disciplines.
- Good interaction with staff in all correspondence.

12. OWNERSHIP OF THE ASSIGNMENT

This assignment is funded by the Ministry of Higher Education via AHEAD-OMST under the program component of AHEAD. As such, the University shall be the owner of the assignment and will reserves the Intellectual Property Rights for all deliverable of the assignment under the terms and conditions given in the IP policy of the University. The Consultant will have no right of claim to the assignment or its outputs once it is completed and no rights to use Data and Information gathered through the assignment for other purposes without written permission from the Vice Chancellor. Any Reports/ Data/ Information produced as a part of this assignment shall be handed over to the Client in soft and hard forms.