

TERMS OF REFERENCE

CONSULTANCY SERVICES TO DELIVER THE ACADEMIC SERVICES UNDER THE EAST AFRICA'S CENTRE OF EXCELLENCE FOR BIOMEDICAL ENGINEERING AND E-HEALTH (CEBE): MODULES IN REHABILITATION AND MOBILITY SCIENCES.

I. Background

The Government of Rwanda received financing from the African Development Bank towards the cost of establishing the Regional Centre of Excellence in Biomedical Engineering and e-Health (CEBE) Project. It is intended that part of the funds of this loan will be applied to eligible payments under the contract for the Consultancy Services to deliver the Academic Services under the East Africa's Centre of Excellence for Biomedical Engineering and E-Health (CEBE). The University of Rwanda (UR) invites interested Individual Consultants experienced and capable to express their interest in providing the following services.

II. Objective

The objective of this assignment is to develop training material and deliver a Master of science training in Rehabilitation and Mobility Sciences.

III. General Requirements

- Demonstrated experience of two years in teaching the module or similar modules
- Education background at PhD or masters with experience, in the field related the modules to be taught;
- Previous experience working in Rwanda (or similar context) highly desirable;
- Cultural sensitivity and strong inter-personal skills essential;
- Demonstrated facilitation and training skills required;
- Management, planning, coordination, organization, and facilitation skills
- Flexibility and complete availability for the duration of the assignment
- Spoken and written fluency in English is a requirement;
- Flexibility, tenacity and results-oriented approach essential for success;
- Experience of working in low resources settings.

IV. Design of Teaching Materials and Mode of Module Delivery

The Consultant will employ rigorous and varied methods of teaching and research to achieve this task. The mode of delivery shall ensure that there is

transfer of skills to the trainees for sustainability purposes. The Consultant should demonstrate professionalism, integrity, and ethics in delivering the modules.

V. Expected Outputs/Deliverables

The consulting must offer the following expected outcomes:

- Competent learning materials consistent with the needs of rehabilitation sciences and medical practice in Rwanda and the region.
- Developed adaptive graduates in Rehabilitation and Mobility Sciences with knowledge of utilizing acquired skills to promote the Rehabilitation.
- A report on student performance and suggestion for improvement.
- Developed Graduates with adequate knowledge, capability, and competencies of applying acquired skills to lead meaningful research to solve the problems specifically at the Rehabilitation and Mobility Sciences.
- The graduate's outcomes meeting the requirements designed in the program learning outcomes.
- Training materials consistent with international standards within multi-disciplinary rehabilitation and Mobility sciences.
- Developed local and regional students with a knowledge and thought of pre-curriculum research capability using acquired theoretical framework.

VI. Responsibilities

The consultant is expected to undertake the following tasks based on the CEBE approved objectives and content of the modules:

- Design teaching materials for the specific modules;
- Deliver applied for module(s) in the Master's program of Rehabilitation and mobility sciences in collaboration with University of Rwanda academic staff.

VII. Period Of Performance

The contract period will be between One to Three weeks maximum for each module, and the estimated start date will be middle of February 2023. The consulting services will start from the date the contract becomes successful and will be based on the period in which a given module is to be delivered. The consultant must cover the assigned module in accordance with the training schedule.

To better reflect its mission and scope coverage, the consulting service will be offered from the date the agreement for the consulting service becomes efficacious. The consultant must develop the teaching material according to

academic curriculum and relevant resources to complete the set terms of reference.

VIII. Reporting Requirements

A detailed work plan with clear deliverables and milestones must be submitted within 2 weeks of the contract agreement. The consultant will be requested to report the progress and performance according to the contract. The consultant must submit the students' performance report at the end of each assessment period with a proof of module realization in accordance with academic schedule. The reports should be addressed to the body in charge.

IX. Skills Transfer

The consultant will be experienced in rehabilitation sciences or related medical specialty and teaching material development to empower the rehabilitation professionals to use their knowledge of sciences and rehabilitation and focus their effort on unmet health sector needs of the region and reflect on the concerned issues. The Consultant will be required to transfer skills during the period of execution of the assigned tasks.

REQUIREMENTS AND TECHNICAL COMPETENCIES

No.	Module	Total Hours	Minimum Qualification of the Trainer
1	Advanced Clinical Neuroscience	200	PhD in advanced clinical neuroscience or related field with a minimum of 1 year in teaching the subject or master's in advanced clinical Neuroscience or related field with at least 3-year of experience in teaching the subject.
2	Paediatric Neurological Rehabilitation	200	PhD in paediatric neurological rehabilitation, or related field with minimum of 1 year of experience in teaching the subject or masters in paediatric neurological rehabilitation or related field with at least 3-year work experience in a relevant field.
3	Paediatric Orthopaedic Rehabilitation	200	PhD in paediatric orthopaedic rehabilitation, or related field with minimum of 1 year of experience in teaching the subject or masters in paediatric orthopaedic rehabilitation or related field with at least 3-year work experience in a relevant field.

No.	Module	Total Hours	Minimum Qualification of the Trainer
4	Advanced Orthotic Science	100	PhD in orthotic science or related field with at least 1 year work experience or masters in orthotic science or related field with at least 3-year work experience in teaching orthotic science.
5	Advanced Prosthetic Science	100	PhD in prosthetic science or related field with at least 1 year work experience or masters in prosthetic science or related field with at least 3-year work experience in teaching prosthetic science.
6	Advanced Clinical Skills in Neurorehabilitation	200	PhD in neurorehabilitation skills or related field with at least 1-year work experience in neurorehabilitation or masters in neurorehabilitation skills or related field with at least 3-year work experience in teaching the neurorehabilitation field.
7	Advanced Spinal Orthotics	100	PhD in spinal orthotics or related field with minimum of 2 years of experience in teaching spinal orthotics.
8	Biomechatronics	100	PhD in biomechatronics or related field with minimum of 2 years of experience in teaching biomechatronics.
9	Rehabilitation of gait and balance	200	PhD in rehabilitation of gait and balance or related field with a minimum of a 1-year experience in teaching the subject or masters in rehabilitation of gait and balance or related field with at least 3-year of experience in teaching the subject.
10	Rehabilitation of cognition and behaviour	200	PhD in rehabilitation of cognition and behaviour or related field with a minimum of 1 year in teaching the subject or masters in rehabilitation of cognition and behaviour or related field with at least 3-year of experience in teaching the subject.
11	Paediatric cardio-respiratory Rehabilitation	200	PhD in paediatric cardio-respiratory rehabilitation, or related field with minimum of 1 year of experience in teaching the subject or masters in paediatric cardio-respiratory rehabilitation or related field with at least 3-year work experience in teaching a relevant field.

No.	Module	Total Hours	Minimum Qualification of the Trainer
12	Advanced Prosthetic and Orthotic/ Biomechanics	100	PhD in prosthetic and orthotic/ biomechanics or related field with minimum of 2 years of experience in teaching prosthetic and orthotic biomechanics field.
13	Rehabilitation engineering & assistive technology	100	PhD in engineering & assistive technology or related field with minimum of 2 years of experience in teaching engineering & assistive technology.
14	Legislation and Policy Frameworks in Assistive Technology	200	PhD in legislation and policy frameworks in assistive technology or related fields with at least 1-year work experience in a relevant field or masters in legislation and policy frameworks in assistive technology or related field with at least 3-year work experience in teaching a relevant field.
15	Health Services Management	200	PhD in health services management or related field with minimum of 2 years of experience in teaching health services management.

Note: A consultant can apply to many modules/training but not more than 3 in all fields.

Eligibility criteria, establishment of the short-list and the selection procedure shall be in accordance with the African Development Bank's **"Rules and Procedures for the use of Consultants" (Procurement and Fiduciary Services Department May 2008 Edition, Revised July 2012)** which is available on the Bank's website at <http://www.afdb.org>.