

Terms of Reference Trainer of Rehabilitation Systems

Education to Work Transition Project Quality Improvement Fund (QIF)

1. INTRODUCTION

A trainer will be hired to conduct training course in **Rehabilitation Systems** for academic, and technicians of medical devices engineering program at Al-Azhar University – Gaza, under the project entitled **“Development of Medical Devices Engineering Curriculum and Laboratories at the Faculty of EIT – (Med-Cal)”**, which has been funded by the World Bank through Palestinian Ministry of Higher Education & Scientific Research under the project named “Education to Work Transition Project-additional financing Quality Improvement Fund (QIF)” which is administrated by Projects Coordination Unit “PCU”, branched out of the MOHE.

2. BACKGROUND

“Education to Work Transition Project-Additional Financing- Quality Improvement Fund (QIF)” mainly aims at enhancing Palestinian youth’s transition from education to work through reducing the gap and strengthening the linkage between Tertiary Education Institutions “TEIs” and private sector employers.

The Faculty of Engineering and Information Technology at Al-Azhar University-Gaza won a QIF fund for a project entitled **“Development of Medical Devices Engineering Curriculum and Laboratories at the Faculty of EIT – (Med-Cal)”**, and is implemented within 36 months starting from 1st of October, 2018. The Faculty of EIT and its partners (Al-Quds Hospital-Palestine Red Crescent Society (PRCS), Al-Amal Hospital – KhanYounis-PRCS, El-Wafa Medical Rehabilitation and Specialized Surgery Hospital, InterMed-Pal Company, and Medical Supplies and Services (MSS) Company) collaborate to achieve the objectives of the project. The funded project is a technical oriented program that aims to develop the Medical Devices Engineering (MDE) academic curriculum at the faculty of Engineering and Information Technology EIT and provide a suitable educational environment consisting of advanced laboratory resources and high-skilled academic staff. The project concerns to build training models, develop some courses, hire experts and consultants; and offer hand-on learning

experience for the students enrolled in the MDE. Besides, it aims to improve the skills and the technical knowledge of the professionals at the private sector to be able to provide better service.




3. OBJECTIVE AND SCOPE OF THE WORK





3.1. Assignment Objective

The faculty of EIT at Al-Azhar University - Gaza is considering a selection of professional and high-qualified trainer of **Rehabilitation Systems** to conduct technical training course in **Rehabilitation Systems** for academic staff, and technicians of medical devices engineering program.

The training is to achieve the following objectives:

- To develop the theoretical and practical technical skills, in addition to physiotherapy skills of trainees in the following rehabilitation systems:

#	Name	Indicative Image
1	- <u>Standing frame with a balance trainer (Standing therapy for leg motion and upper body exercise)</u>	
2	- <u>Computerized balance system (Static and Dynamic with twelve levels of platform control as well as static force setting – allows testing, training and rehabilitation programs for diverse populations)</u>	
3	- <u>Rehab. Treadmill (Gait Trainer)</u>	

4	<ul style="list-style-type: none"> - <u>Reha Slide (Mechanical arm exerciser to train up to three joints: elbow flexion and –extension, shoulder abduction and adduction, wrist flexion and – extension)</u> 	
5	<ul style="list-style-type: none"> - <u>Armeo spring for arm exercise (For arm and hand robotic rehabilitation)</u> 	
6	<ul style="list-style-type: none"> - <u>Pablo hand arm therapy (hand trainer and evaluation system to measure the power of hand and fingers and the active range of movement of the upper extremity)</u> 	
7	<ul style="list-style-type: none"> - <u>Amadeo tyromtion (Assistive and interactive therapies for individual fingers and thumbs movements)</u> 	

- To let the trainees to be familiar with work principles of the rehabilitation systems mentioned above from engineering side and physiotherapy side including (Examination, Diagnosis& Progresses, Intervention, and Follow up).

- To learn how to **OPERATE, USE, and TEST** the rehabilitation systems mentioned above.

4. Main Tasks and Responsibilities:

The **Rehabilitation Systems Trainer** will be responsible for, but not limited to the following tasks:

1. Delivering an action plan for conducting the training mission. This includes the main topics to be covered, and the types of evaluation methodologies used.
2. Developing the necessary theoretical and practical training materials, contents and related resources for the training.
3. Prepare and conduct pre-test and post-test to measure the trainees' skills improvement by the end of the training program.
4. Delivering 38-training hours sessions for 12-18 trainees.
5. Preparing a detailed report of the implemented tasks and associated deliverables.
6. Performing other duties as may be assigned by the project director concerning the training program.

5. DELIVERABLES

#	Task description
Deliverable 1	Submit action plan report including but not limited to <ul style="list-style-type: none"> - Training Topics and Content (detailed Syllabus/outline). - Objectives. - Methodology of Implementation - Outcomes - Materials - Source of References - Timeframe.
Deliverable 2	A successfully delivered training course in <u>Rehabilitation Systems</u> consisting of overall 38 hours/training intensive training course (theoretical and practical- technical and therapy) for trainees to develop their skills and knowledge as follow: <u>38 Training hrs. in Rehabilitation Systems -covering the topics of:</u> <ul style="list-style-type: none"> – Standing frame with a balance trainer, – Computerized balance system, – Rehab. Treadmill, – Reha Slide, – Armeo spring for arm exercise, – Pablo hand arm therapy, – Amadeo tyromtion,

Deliverable 3	Prepare and conduct pre-test and post-test to measure the trainee's skills improvement by the end of the training program.
Deliverable 4	Detailed report including the Introduction, Context of Training, Objective, Implemented Tasks, Training Outcomes, Success Stories, Finding, Recommendation, Testimonies and trainees Achievements across Using Rehabilitation Systems, and Results of Training Evaluation. Approval of the submitted report from project director is a MUST
Important Note: All reports and documents must be well-written in English language with proofreading, and the training hour cost includes all the mentioned requirements and deliverables.	

6. REQUIRED QUALIFICATIONS, EXPERIENCE, AND EDUCATIONAL BACKGROUND:

This call for training is **only** open for individuals who have the following qualification and experiences:

1. At least a Bachelor university degree in Engineering, Bio-Medical Science, or any related field. A master degree is preferable.
2. At least 3 years work experience in medical devices field.
3. Proven experience in conducting similar trainings.
4. Strong professional communication and inter-personal skills and able to transfer knowledge to trainees.
5. Ability to share knowledge and building the capacity
6. Experience in writing technical reports of training programs.
7. High level of English proficiency: reading, writing and speaking.
8. Demonstrated proficiency with MS Office and excellent knowledge and command of computer programs.

7. TIME FRAME & LEVEL OF EFFORT: The expected level of effort is about (40) working hours within the period **from August 29, 2021 till October 05, 2021.**

8. THE SUGGESTED DAY OF STARTING: **29/08/2021**

9. DUTY STATION: At the El Wafa Hospital Gaza(a main partner in the project)

10. CONTRACT TYPE: Lump Sum Contract.

11. Number of Trainers: 1 trainer is needed for this position

12. To apply: Interested and qualified candidates to fill the online application on Al-Azhar University – Gaza jobs portal through the link below:

<http://www.alazhar.edu.ps/arabic/EmpAffairs/Instr.asp>

13. All applicants must submit by hand the following document (English Only) to **Employee Affairs Unit at Al-Azhar University - Gaza** no later than **August 11th, 2021** indicating **“Trainer of Rehabilitation Systems “in** the Job Application:

1. Latest CV.
2. A cover letter.
3. University Certificates and any relevant documents.
4. Technical Proposal with clear implementation plan.
5. Financial Proposal in USD currency.

Incomplete or missing information or documentation and evidence of experience as requested above, may exclude you from further consideration.

The selection process follows World Bank recruiting policies and procedures. Only shortlisted candidates will be contacted for an interview.

If you have any questions, please don't hesitate to contact us by email and/or by phone;

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