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PARTNERSHIP FOR CAREER-ORIENTED EDUCATION

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Career-Oriented Curricula
Development for Road
Vehicle Maintenance



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CODE

Career-Oriented Curricula Development for Road Vehicle Maintenance

Overview

Professions concerning road vehicles maintenance undergo several years of major changes. Mostly, due to new technologies, specific managerial methods, laws and regulations related to safety and environment. Increasingly, these jobs require specific skills as well as access to technical information and equipment. Obviously, there is a need for curricula suitable for lifelong profession, along with continuous professional training. The creation of Competence Centre to provide continuous professional support is the medium-term objective. But the specific objective is to develop curricula for engineering, technical and vocational education oriented to road vehicles specialization in West Bank and Gaza.

CODE aims at creating a sustainable model for an academic-official-professional partnership that can deliver concrete results in terms of targeted higher education reform and employability. To serve this purpose, CODE is designed to develop specific competencies and know-how through joint implementation of well-structured activities and cross-cutting initiatives to develop career-oriented curricula for road vehicle maintenance.

Project Objectives

Specific Objectives

CODE aims to develop a model for career-oriented curricula and to lay the bases for establishing a relevant Centre of Competence for road vehicles specialization. Its specific objective is to develop curricula that cover engineering, technical, and vocational training, and to create an academic-official-professional partnership for vehicle maintenance profession.

Medium-Term Objective

Ministries of Higher Education (MOHE) and of Labor (MOL) in Palestine have planned to establish Competence Centre in vehicle maintenance. It requires building competencies and establishing partnerships with the relevant business sector, which are the outputs of this project. Thus, technical education department in the ministry have decided to combine its efforts to the project consortium efforts in order to lay the bases for its establishment.

Project Main Tasks

To create an academic-professional-official network with the skills and know-how required for establishing the Competence Centre later on, CODE will undertake the following tasks:

- Conduct an evaluation on vehicles maintenance businesses to define the sector training needs and workforce skills.
- Conduct an evaluation of the offered curricula related to road vehicles engineering and technology professions.
- Develop three curricula for partner institutions that cover engineering, technical, and vocational education levels.
- Build local competencies; organizing local training sessions and specialized missions in Europe.
- Pool pedagogical resources; courses, tutorials, and multimedia modules, as well as the project documents.
- Conduct pilot testing of courses and teaching methods on target students and make collective assessments.
- Initiate joint applied research experiences as part of student projects.

Project Focus

Establishing an academic-enterprise-official partnership for vehicle engineering and maintenance education. It will transfer to local partners skills and know-how relevant to identify local job needs; curricula development for modern vehicle technologies.

Project Methodology

Methodology includes four main phases:

- Target-Career needs assessment.
- Teams training and curricula development.
- Pilot testing and evaluation.
- Technical report writing and final diffusion.

Training Programs

- Management and economy of maintenance.
- Road vehicles electric and electronic systems.
- Road vehicles mechanical systems.
- Road vehicles hydraulic systems.
- Multimedia development for online training.

Target Curricula

Curricula Development targets three levels:

- Engineering Level.
- Advanced Technician Level.
- Specialized Professional Level.