

618535-EPP-1-2020-1-JO-EPPKA2-CBHE-JP

Project Information

Reference Number	618535-EPP-1-2020-1-JO-EPPKA2-CBHE-JP
Application Title	Developing Curricula for Artificial Intelligence and Robotics
Application Acronym	DeCAIR
Action Code	CBHE-JP
Project Start Date	15-nov.-2020
Project End Date	14-nov.-2023
Duration (months)	36
Grant Requested	850.108,00
EUD Consultation	YES

Coordinator

Name of Organisation	UNIVERSITY OF JORDAN
Street	QUEEN RANIA AL ABDULLAH STREET
City	Amman
Country	Jordan
Website	www.ju.edu.jo

International Dimension

Regional Focus	Intra-Regional
Involved Regions	R3
Application Country	JO
Partner Countries	LB (2), JO (3)
Programme Countries	IT (2), ES (1), EL (1), DE (1)

Project Characteristics, Aims and Objectives

Project Type	Multi-country project
Specific Activity	Curriculum development
Subject/Thematic Area	Engineering and engineering trades
CBHE Actions	Improve the level of competences and skills in HEIs by developing new and innovative education programmes
	Improve the quality of higher education and enhance its relevance for the labour market and society
CBHE Aims and Objectives	Support eligible Partner Countries to address the challenges facing their higher education institutions and systems, including those of quality, relevance, equity of access, planning, delivery, management, governance
	Support the modernisation, accessibility and internationalisation of the higher education field in the eligible Partner Countries

Project Summary

Recently, artificial intelligence and robotics (AIR) have been making huge advances enabling them to enter new applications, constituting disruptive forces to various aspects of our lives. Developing countries such as Jordan and Lebanon suffer from slowing economies and high unemployment rates. These problems will worsen as AIR technologies succeed in automating more jobs and shifting production and jobs to the countries that employ these technologies to efficiently offer better services and products. Therefore, it is essential for all countries to engage in using and developing these technologies to create new businesses, improve existing products and services, and foster human prosperity.

The consortium of this proposal is taking the initiative of "Developing Curricula for Artificial Intelligence and Robotics (DeCAIR)"; a project that intends to develop curricula in the areas of AIR through new master's and bachelor programs. These programs will give students opportunities to specialize in AI technologies, Robotics technologies, or using AI solutions to develop smart and autonomous robots that can solve unconventional problems. Additionally, DeCAIR will improve the curricula of existing masters and bachelor programs in the areas of AIR, establish relevant modern laboratories, and implement modern teaching methods such as flipped learning and project-based learning. All this will improve the graduates' practical skills and enable them to exploit these revolutionary technologies to solve local and regional problems, create new jobs, and to start new ventures.

Other project aims are to improve the teaching capacity at universities of the Partner Countries, build a network of highly qualified professionals in these areas among partner universities, and improve collaboration with local and regional industries and community for applying AIR technologies in solving industry and community problems.

Project Partnership

Role	Region	Participant Organisation Name	Country
Contractor	R3	UNIVERSITY OF JORDAN	JO
Partner	R3	BEIRUT ARAB UNIVERSITY	LB
Partner	R3	JORDAN UNIVERSITY OF SCIENCE AND TECHNOLOGY	JO
Partner	R3	TAFILA TECHNICAL UNIVERSITY	JO
Partner	R3	UNIVERSITE LIBANAISE	LB
Partner	EU	CREATIVE THINKING DEVELOPMENT	EL
Partner	EU	UNIVERSIDAD DE GRANADA	ES
Partner	EU	UNIVERSITA DEGLI STUDI DI GENOVA	IT
Partner	EU	UNIVERSITA DI PISA	IT
Partner	EU	UNIVERSITY OF STUTTGART	DE