IREEDER

Partners

IREEDER is an Erasmus-plus funded project that aims at building the capacity of the higher education institutions in Jordan. IREEDER consortium includes ten partners; five Jordanian and five European partners, and led by Al-Hussein Bin Talal University (Jordan). The wider objective of the project is to ensure that Jordanian universities are placed in a position where they offer quality education compatible with European standards, and meet socio-economic needs of the emerging knowledge-based society by strengthening undergraduate teaching and enhancing learning outcomes in order to provide their Jordanian graduates with professional leadership skills that qualify them to meet market needs of the country. Specifically, the project aims at creating bachelor's degree subjects with appropriate laboratories in RE, IoT and CS taught by universities in Jordan and brought into line with the EU requirements, as well as engaging faculty in the development of online lectures and laboratory.

جامعة الحسين بن طلال
AL HUSSEIN BIN TALAL UNIVERSITY

جامعة مؤتة
QS

UNIVERSITÀ DI TRENTO

ΠΑΝΕΠΙΣΤΗΜΙΟ ΠΑΤΡΩΝ
UNIVERSITY OF PATRAS

جامعة الإسراء
Isra University

TAFILA TECHNICAL UNIVERSITY

25 YEARS
instituto de telecomunicações

UNIVERSIDADE DE VIGO

PHILADELPHIA UNIVERSITY

uclan
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CYPRUS

IREEDER
Introducing Recent Electrical Engineering
Developments into undErgraduate cuRiculum

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IREEDER Aim

The main objective of the IREEDER project is to improve the capacity of high education, using state of the art technology and training staff on improving the quality of the materials taught by making best use of these technologies. The developed subjects will be oriented towards the recent technologies in electrical engineering including RE, IoT and CS, in addition to their different applications. All these subjects will be in accordance with EU requirements.

Specific objectives

- Modernizing the undergraduate curricula by introducing the recent technologies such as RE, IoT and CS.

- Building the capacity of the Jordanian partners by establishing new laboratories that are equipped with educational platforms to help students improve their understanding and skills in the fields of RE, IoT and CS.

- Enhancing the knowledge, teaching and training skills of the faculty members and technicians in the Jordanian partners..

- Providing the Jordanian labor market by skilled engineers with the recent technology advances.

- Creating national training points in Jordan for the recent technological advances in RE, IoT and CS.

IREEDER Topics

- Internet of Things (IoT):

IREEDER will develop a teaching and a training materials in IoT for the undergraduate students in Electrical Engineering and its related programs. IREEDER will establish an IoT laboratory at Al-Hussein Bin Talal University.

- Renewable Energy (RE):

IREEDER will develope a teaching and a training materials in RE for the undergraduate students in Electrical Engineering and its related programs. IREEDER will establish an RE laboratory at Mutah University.

- Cyber Security (CS):

IREEDER will develop a teaching and a training materials in CS for the undergraduate students in Electrical Engineering and its related programs. IREEDER will establish an CS laboratory at Tafila Technical University.