Project Summary

Project titled **“Hydrogen Technology for a Green Future: Strengthening Transnational Education and Curriculum development between the UK and Egypt."**

Project summary:

Collaboration between The British University in Egypt and Coventry University, UK for a cleaner and green future establish a Hydrogen Energy Training Hub as part of the project, named Hydrogen Technology for a Green Future: Strengthening Transnational Education and Curriculum Development, has received £25,000 in funding from the British Council, UK. This initiative is a collaborative effort between Coventry University in the UK and the British University in Egypt, focusing on developing a comprehensive curriculum that encompasses cutting-edge technologies and sustainable practices in hydrogen energy. Through workshops, seminars, and training, the project will foster a deep understanding of the processes involved in green hydrogen production, as well as the challenges associated with transportation and storage. This partnership not only emphasizes the importance of international collaboration in addressing global energy challenges but also aims to create a new generation of experts capable of driving innovation and sustainability in the hydrogen economy. The project seeks to equip participants with the skills necessary to advance the green hydrogen sector, which is vital for achieving net-zero carbon emissions and promoting renewable energy solutions.

Objectives:

The primary objective of this proposal is to enhance transnational education (TNE), strengthen student academic capacity, and foster collaboration between the UK and Egypt in the field of hydrogen technology. Over the 12-month duration, the project aims to establish sustainable practices in hydrogen production, transportation, and storage through academic and industry training. Additionally, the project seeks to contribute towards the global green energy transition, aligning with Sustainable Development Goals (SDGs), and building long-term research and innovation networks.

Partners: Coventry University, UK

Funding Agency: British Council

Expected Results:

- Curriculum developed in the field of Hydrogen Technology. (Hydrogen Production, storage and transport)
- Enhancement of technical knowledge and skills in hydrogen technologies
- Joint student projects in the area of Hydrogen production, storage and transport
- Increased student projects and academic collaboration, such as co-authored papers and technical reports, through student and faculty collaboration
- Development of joint projects, publications, and technology transfer initiatives between the UK and Egypt.

MoU between two institutes, continuing the curriculum developed as a certificate course

Principal Investigator: Prof. Ayman Abbas

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