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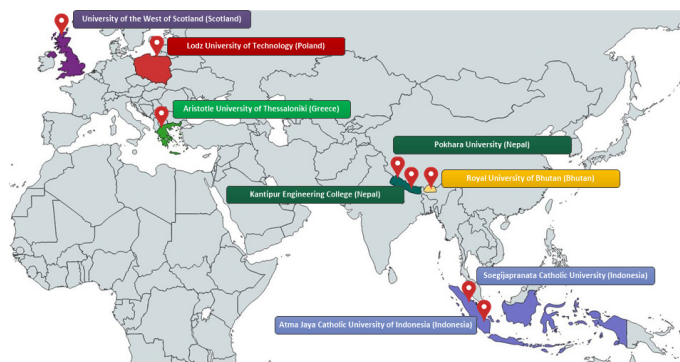
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EU-Asia Collaboration for Accessible Education in Smart Power Systems (eACCESS)



With the support of the
Erasmus+ Programme
of the European Union



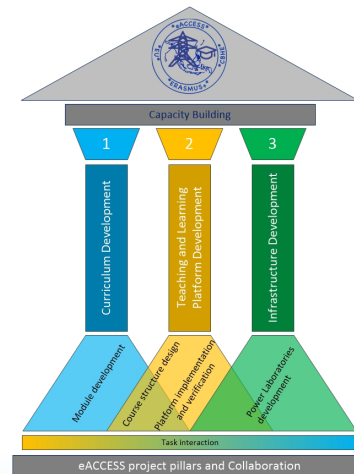
www.eaccess-edu.eu



eACCESS (EU-Asia Collaboration for Accessible Education in Smart Power Systems) is the project which comes at a time when many south-east Asian countries are undergoing rapid industrial revolution and industrialisation process resulting in the increasing demand for electricity.

Higher education institutions are expected to produce experts and tutors who will be able to design, maintain and further develop advanced technical solutions as well as train other staff to effectively and efficiently adopt and use modern power technologies.

Currently, the project's partner universities lack the subjects, course content and the delivery mechanism to meet students' expectations, which are central to help develop modern power engineers and transform the power sector. The consortium of eight European and Asian partners under the Erasmus+ project aims to mitigate this lag.



Objectives

Curriculum Development

Modernization and implementation of undergraduate and master degree curriculum in electrical power engineering embracing preparation of at least six master course units and eight bachelor course units. The contents will cover a wide spectrum of areas from engineering (High Voltage Techniques in Power Engineering, Modern Power Engineering, ICT application in Power Grids), to management and economics considering environmental issues and sustainable development approach.

Teaching and Learning Platform Development

The teaching and learning platform will include innovative teaching mechanisms for traditional class work as well as laboratory work enabling video assisted pedagogy, peer-to-peer studies, students' progress assessment and feedback collection. The platform will allow partner universities to recruit students from remote locations who are physically unable to attend classes, widening access for future power engineers.

Infrastructure Development

The project is going to develop four physical laboratory facilities with an aim of providing excellent opportunity to the researchers and professionals from the power sector.

- High voltage laboratory at Kantipur Engineering College, Nepal.
- Smart distribution and renewable energy laboratory at Royal University of Bhutan, Bhutan.
- Power system computer simulation laboratory at Atma Jaya Catholic University of Indonesia, Indonesia.
- Power electronic laboratory at Soegijapranata Catholic University, Indonesia.

The project will be delivered and managed through following seven Work Packages (WP) and over the period of thirty-six months.

