

TO-INNOEN (A TEACHING ON INNOVATION MODULE FOR ENGINEERING PROGRAMMES)

Global competition in industry dictates that the only way of staying in the market is the ability to create new products and better services. This means a lot of pressure in today's engineering workforce in terms of 'innovation'. In other words, engineering graduates have to be creative problem solvers with good entrepreneurial and communication skills. The participating organizations get involved in a European cooperation in order to address this issue, and start an initiative for providing solutions.

The project **aims** at forming a network of academic partnership with the same goal of achievements to

- share and disseminate knowledge in the area of innovation
- raise awareness on the importance of teaching on innovation and
- to create a short course module for teaching 'innovation'.

A teaching module, comprising of teaching and learning materials, is developed for last year undergraduate students and graduates working particularly in chemical processing and manufacturing industries and will provide possibility of easy expansion and implementation in other engineering fields. The module includes theoretical aspects of the innovation systems approach and practical tools to promote effective innovation. It addresses the needs of engineers employed in industry and the need for innovation in technological products and processes. It is expected that the outcome of the project will be expanded, and trainees will make considerable impact in their industrial working environment by stimulating and contributing to innovative design and problem solving approaches.



Project team at ISIS: Prof. Alfred Posch (project leader), Prof. Gerald Steiner, Dr. Alexandra Sindler

Project partners: Ankara University, Turkey / Oxfords Brooks University, UK /
Liverpool John Moores University, UK / Inonu University, Turkey

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Website: to-innoen.eng.ankara.edu.tr