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TEEDE (Towards Excellence in Engineering Curricula for Dual Education)

Dr. Rajesh Nair, Associate Professor of Petroleum Engineering, Department of Ocean Engineering is the coordinator of the European Union project, TEEDE (Towards Excellence in Engineering Curricula for Dual Education), for IIT Madras. The kick-off meeting took place at Bremen, Germany in 30th and 31st of March and there were subsequent meetings at Finland and Germany. The next termly meeting of all the partners is scheduled from 30th of November to 2nd of December, 2017 at IIT Madras. The meeting will be inaugurated by Prof. Nagarajan, Dean, International and Alumni Affairs. The partners of this consortium from universities in Russia, Italy, Germany, Cambodia, India, China, Finland, Belgium and Spain will be attending this termly meeting.

The grant has been awarded by Erasmus+/European Union for 3 years with an aim of

- Promoting the modernization

- Expanding the availability and developing the internationalization of higher education in the partner countries

- Promoting intercultural and interpersonal exchange

- Voluntary convergence with the tendencies of the development of higher education in the EU

The main output will be an upgraded/developed curricula in engineering trades. It will be possible through development of methodological guidelines on professions and qualifications based on the analysis of the economic needs of three regions. All the partners of the consortium have a strong focus on technology and engineering and serve as regional centres for implementation of national strategies for training professionals.

All the partners will:

- Identify needs and Select key professions and areas of training;

- Develop and Modernize curricula implementing the principles of the dual education under the guidance of European experts;

- Launch new or upgraded curricula, combining periods of study with periods of training at leading enterprises;

- Create a system of continuous professional development;

- Create communication and Recourse centres at partner universities in Russia, Italy, Germany, Cambodia, India, China, Finland, Belgium and Spain.

The purpose of this grant is to add Industrial component to the curriculum (either in Bachelors', Masters' or Doctoral level), thereby upgrading the same, improving the employability and professional edge and ensuring career enhancement.