MUISTD Faculty (Prof. Dr. Arabella Bhutto and Dr. Adnan Pitafi) along with MUET family from CS/TL departments (Prof. Dr. Bhawany Shankar Choudhry, Dr. Ahsan Ansari, Dr. Faheem Yar Khuhawar and Dr. Isma Fasih Siddiqui) referred in an article published on the occasion of Erasmus Days, in the prestigious "Engineering Review" that has been published since last 65 years.

EU project CENTRAL workshop on DT-BT to Celebrate Erasmus Days

Mehran University and University of Malaga (UMA)Spain coordinated the organization of workshop on Digital Techniques for Business Transformation (DT-BT) on the occasion to Celebrate EU Erasmus Plus event under the EU Project CENTRAL(Capacity building and ExchaNge towards attaining Technological Research and modernizing Academic Learning).

On this occasion, Prof Albena Dimitrova Mihovska from Arhus University Denmark informed that CENTRALaims at developing and implementing academic educational curricula with an international orientation in content and/or form, aimed at preparing students for performing (professionally/socially) in an international and multicultural context and designed for domestic and/or foreign (international) students. CENTRAL is aimed at enabling employability, internationalization and interdisciplinary engagement of students and graduates, as well as research staff. Professor BS Chowdhry mentioned that an invitation for the submission of workshop proposals from faculty members/researchers of nine part-

ner universities was circulated. Partner Universities included that Arhus University (Denmark), University of Malaga (Spain), Technical University Sofia (Bulgaria), Vishwaniketan (India), Mae Fah Luang University (Thailand), Kolhapur Institute Of Technology (India), Mehran University Of Engineering & Technology (Pakistan), And Sir Syed University Of Engineering & Technology (Pakistan). He said that the development of a new postgraduate course named Digital Technology for Business Transformation (DTBT), funded by Capacity building and ExchaNge towards attaining Technological Research and modernizing Academic Learning (CENTRAL) Project, European Commission is underway. The purpose of this program is to equip the graduates with IT and business knowledge and develop their capacity for employability and entrepreneurship. The workshops aimed to emphasize emerging topics related to technical and business issues in Digital Business Transformation.

On this occasion a presentation on "HUMAN CENTRIC DESIGN APPROACH: A TOOL FOR CREATING SUSTAINABLE START-UPS" was given by Prof Dr Vikas Shinde, Dr Ambuj Kumar, and Prof Dr Araballa Bhutto. Their presentation covered the aspects of Human-Centric Design, Product Design, Start-up, User requirement analysis, and case studies. The second presentation was on the "ROLE OF INSTITUTIONAL LEADERSHIP AND FACULTY FOR SUSTAINABLE DEVELOPMENT OF

ENGINEERING INSTITUTES THROUGH PROJECT-BASED LEARNING: KIT A CASE STUDY" presented by Dr Rahul Dr Bhedasgaonkar, and Prof Mahesh Chavan. They talked about the role of Institute leadership and teachers plays a vital role in the implementation and quality enhancement of the student. For this the various steps undertaken by KIT are changed in the mindset of the faculty, faculty training, Development of Course curriculum in PBL, its implementation, Critical assessment and Evaluation, student responses. It is seen that the implementation results were more promising and reflected in an improvement in important process skills in engineering students such as problem solving, critical thinking, team work, communication and self directed learning. The third presentation covered "PRACTICALITY OF THE LEAN CANVAS FOR INVENTION (LCI) FOR PRODUCT DESIGN AND DEVELOPMENT (PDD) COURSE, FOR DIGITAL TECHNOLOGY FOR BUSINESS

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EU project CENTRAL workshop

TRANSFORMATION [DTBT] PROGRAM" given by Prof Dr Arabella Bhutto and Dr Adnan Pitafi. They talked about a new tool named Lean Canvas for Invention (LCI), designed for STEM graduates to convert their ideas to inventions with potential of commercialization. They explored usability of the LCI for a course, "Product Design and Development (PDD)", arguing in its favour. The inclusion of the LCI in the PDD course is proposed after teaching the LCI to the STEM project teams in an entrepreneurial university in USA. The feedback received from participants was presented in this paper through the Stages of Concern and has proved a significant role of LCI for business development. Based on these findings the proposed PDD course contents are mapped on 11 components of the LCI and proposing its fitness and inclusion. Their presentation concluded that in order to meet the aim of capacity building for business transformation the LCI can enrich the knowledge of graduates and broaden the intellectual mission of the CENTRAL project.

Prof Dr Enrique Nova, Prof Dr Mohammad Aamir, Prof DrRehanInam Qureshi, Prof Dr Bhawani Shankar Chowdhry gave a presentation on "ASSESSMENT OF CORE COMPETENCY IN THE RELATED ENGINEERING DISCIPLINE: PROBLEM FORMULATION AND SOLVING SKILLS AS AN EXAMPLE IN DTBT PROGRAM". They talked about the fourth industrial revolution is blurring the lines between traditional technological domains with unprecedented speed. This is expected to impact almost every industry where some industries like transportation and banking are already feeling its influence. The fast-paced change also has the potential to generate newer jobs and raise global income levels. However, for businesses to survive and to take benefit from this revolution, they must transform to adapt to the extraordinary penetration of technology and the changes it brings. To accomplish these goals, people are required to be trained in interdisciplinary fields of technology and business, so they are empowered to transform and create new businesses. This premise is established in this paper with the help of feedback from the industry. They also presented a model for graduate-level education where people from multidisciplinary backgrounds learn to provide interdisciplinary technological solutions for modern businesses.

Another talk on "STATISTICAL ANALYSIS OF INFORMATION DISSEMINATION USING MOODLE" was given by Dr Ajit S Patil, Dr Tanaji B Patil , Dr Ajay B Kapase, Prof Dr Mahesh. The use and implementation of various plug-ins specifically elaborated by them in a contest to the DTBT course. They also presented statistical insights about the dissemination of MOODLE resources amongst the faculty members.Dr Ahsan Ansari, Dr Faheem Yar Khuhawar, Dr Isma Farah Siddiqui presented their talk on "CUSTOMIZED MOODLE DEPLOYMENT FOR REMOTE LEARNING EXCELLENCE IN DTBT PROGRAM". They mentioned that every educational organization all around the world are now adopting learning management systems (LMS) to enhance their learning and training requirements. Compared to traditional classrooms, an LMS offers several advantages. The biggest one is that LMS allows learning at your own pace. Out of several types of LMS available, Moodle

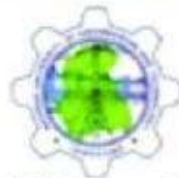# EU project CENTRAL workshop

is the most popular Learning Management System. Moodle is an open-source, free to download, offers a flexible user-friendly

dents if there is any change in program or the occurrence of additional events are one of many wonderful features. Nevertheless, many such features are not enough to satisfy

INSTITUTES" by Dr.Sachin Shinde, Mr. RGade, and Mr. A Renke. They emphasized in their talk that the Business model (BM) is an integral part of any business nowa-

Capacity building and ExchaNge towards attaining Technological Research and modernizing Academic Learning- CENTRAL

Dr. Isma Farah Siddiqui,
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eLearning platform and is supported by a global community. Moodle is an open-source LMS designed to effectively support online education (e-learning). It is extremely flexible and customizable with a user-friendly interface that does not require any special technical knowledge or skills. Moodle's ability to allow students to contact the teacher responsible for the course. Moreover, the teacher can inform stu-

all learning needs in academic institutions. Therefore, additional tools or features must somehow be developed/integrated into Moodle. One important useful feature for instance is face-to-face online meetings.

The last presentation was on "PRACTICAL EXPERIENCES ON IMPLEMENTING BUSINESS MODEL INNOVATIONS IN TECHNICAL

days. The Business Model is a universal model that tells us "how to run any business". Their presentation included studies and practical experiences of implementing Business Model Innovations in Technical institutes, local industries, and students in technical institutes. At the end recorded video messages of participants who attended trainings during CENTRAL project activities were also played. ∎