Kit Activities

TEQIP workshops expose the participants to fine-tune their teaching skills, clear fundamental doubts, develop new ways of looking at the subject, and possibly develop innovative new solutions to research ideas and methods in related issues.

International Workshop on Novel Combustion Concepts for Sustainable Energy Development (2-4 January 2014)

The primary aim of the workshop is to introduce the participants aware of the recent trends in applied areas of mechanics with special focus on vibrations, plasticity and non-linear phenomena and developing competence in applying the Principles in a given situation. The program had following components: lectures on non-linear and advanced concepts of mechanics, sessions on plasticity and non-linear phenomena, hands-on projects. The workshop was conducted by Dr. Anil Navale, AIChE member, technical co-ordinator and Prof. Sumitava R. Nair, AIChE member, technical co-ordinator.


The workshop was to discuss the undergraduate curriculum of Materials and Metallurgical Engineering and similar disciplines. The emphasis was to understand the structure of curriculum in various institutes and then to have meaningful discussions to evolve a curriculum for the best educational environment.

Pravartana 2013 (5-7 October)

This workshop was specifically useful for persons who are concerned with training / teaching, research and industrial applications of micromachining, micro-to nano metrology and research trends in the area of micro-manufacturing processes, machine tool dynamics and models to characterize process-machine interactions to predict and avoid unstable processes, design strategies for optimum part quality, process planning and design for manufacturing, etc.

Winter Internship and Visiting Researchers Program (7-27 December, 2014)

This year 4 faculty members and 24 students from across the country and overseas were offered internships at IIT Kanpur. faculty members from various institutes under TEQIP came to IIT Kanpur under this program to work with experts at IITK in various areas of their interest. The participants were engaged in various aspects of teaching, learning environment and research directions at IIT Kanpur.

Internship students worked under the guidance of highly qualified and experienced host Faculty members. They were offered the latest and state of the art infrastructure & instrumentation facilities to ensure the quality of research work. The training period was conducted in various fields such as Mechanical Engineering, Electrical and Electronics, Physics, and Medical Sciences, etc. from across the country and overseas. The primary aim of the workshop was to increase their exposure to the research, teaching and industrial applications in the area of Micromachining, Nano-Metrology and Micro-Manufacturing.

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TEQIP Workshop on Electromagnetic Theory (May 1-5, 2015)

This workshop was in two parts. The first part comprised of a three-day school on Basic Physics at UG level both in experiments and in theory. It focused on deeper understanding and analysis of the important physical phenomena and to enhance the appreciation for the beauty of physics. The program had following components: lectures on electromagnetic theory and its applications, and tutorial-sessions and hands-on training. The second part was a five day workshop on Systems Engineering (16-20 December 2013)

The primary aim of this workshop was to introduce the participants aware of the recent trends in applied areas of mechanics with special focus on vibrations, plasticity and non-linear phenomena and developing competence in applying the Principles in a given situation. The program had following components: lectures on non-linear and advanced concepts of mechanics, sessions on plasticity and non-linear phenomena, hands-on projects. The workshop was conducted by Dr. Anil Navale, AIChE member, technical co-ordinator and Prof. Sumitava R. Nair, AIChE member, technical co-ordinator.

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TEQIP Workshop on Advanced Small and Actors (August 30, 2015)

The workshop is divided into two parts. The first part was an interactive workshop on advanced small and actors for which the participants were engaged in various aspects of teaching, learning environment and research directions at IIT Kanpur. The workshop was conducted by Dr. Anil Navale, AIChE member, technical co-ordinator and Prof. Sumitava R. Nair, AIChE member, technical co-ordinator.

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