List of Activities so far: 2013-18

1. Pravartanā 2013
2. Five day workshop on Systems Engineering
3. International Workshop on Novel Combustion Concepts for Sustainable Energy Development
4. Workshop on Leadership Exposure
5. TEQIP workshop on Teaching Methodologies in Chemical and Material Sciences
6. TEQIP workshop on Mechanics in Physics
7. Workshop on Dynamics and Vibrations
8. Summer internship and visiting researcher program 2014
9. MOOC on Cloud Computing & MOOC on MOOC
10. Workshop for Computer Science Teachers
11. Pravartanā 2014
12. Winter Internship and Visiting Researcher Program 2014
13. TEQIP Workshop on Digital Networks and Communications
14. Short Course on Structure and Characterization of Materials
15. International Workshop on Sustainable Energy, Power and Propulsion
16. CALDAM, School on Discrete Mathematics
17. Mechanics School at IITK
18. TEQIP Workshop on Electromagnetic Theory
19. Workshop on Effective use of EdRP Components
20. Short Course on Basic Physics for B.Sc. students, 2015
21. Summer Internship and visiting researcher Program, 2015
22. TEQIP School on System & Control
23. Short term course on Micro manufacturing
24. TEQIP Workshop on Materials & Metallurgy Curriculum Discussion
25. TEQIP Workshop on Microstructure Engineering via Heat Treatments
26. Winter Internship and Visiting Researcher Program 2015
27. TEQIP Workshop on High Resolution X-Ray & Electron Diffraction
29. Short term course on Research Skills & Methods
30. TEQIP Workshop on Advanced Robotics
31. TEQIP School on Computational Methods in Engineering Application
32. TEQIP Workshop on Advanced Micro-nano Technologies
33. TEQIP Summer Internship and visiting researcher Program , 2016
34. Short Course on Basic Physics for B.Sc. students
35. TEQIP Workshop on Machining Dynamics
36. TEQIP Workshop on Advanced sensors and Actuators
37. TEQIP Workshop on Control Techniques and Applications
38. A Short course on Combustion: Fundamentals and Applications
39. Winter Internship 2016
40. TEQIP School on Mechanics of Reinforced Polymer Composites
41. TEQIP Workshop on Modeling, Simulation & Implementation using MATLAB & Simulink
42. Rarefied and Microscale Gases and Viscoelastic Fluids: a Unified Framework
43. International Workshop on Energy, Propulsion and Environment
44. UP Start-up Conclave on Entrepreneurship & Innovation in Academic Institutions: Challenges and Opportunities.
45. TEQIP Short Term Course on BIG DATA
46. TEQIP Short Term Course on Introduction to Robotics
47. TEQIP Summer Training in Robotics
48. TEQIP Long term training program at NiFlexE, IIT Kanpur
49. TEQIP Workshop on Dynamics and Control of Rotorcraft
50. Faculty Induction Program
51. Summer Internship and Visiting Researcher program 2018
52. Practical English: Learning and Teaching
53. Summer Training Program on Active Learning for Senior Faculty
54. Introduction to Manufacturing Processes
55. TEQIP Summer Training in Robotics

About Knowledge Incubation for TEQIP

The Ministry of Human Resource Development launched in December, 2002 the “Technical Education Quality Improvement Programme of Government of India (TEQIP)” which aims to upscale and support ongoing efforts in improving quality of technical education and enhancing existing capacities of the institutions to become dynamic, demand-driven, quality conscious, efficient and forward-looking, responsive to rapid economic and technological developments occurring both at national and international levels. The Programme was conceived and designed as a long-term project to be implemented in 10-12 years in 3 phases to support excellence and transformation in Technical Education in the country.

A growing Indian economy demands a massive technical manpower and large scale technological innovations. This requires an environment of innovation inspired by intellectual curiosity and driven by sound knowledge. The challenge of imparting high quality technical education to the increasing numbers of aspiring engineers requires creation of a formidable pantheon of enabled teachers – with intellectual capability, rigorous training and an exploratory frame of mind. TEQIP is a step towards dissemination of knowledge (and know-how) to teachers, researchers and students through short-courses, workshops, seminars and internship programs.
**Achievements**

- KIT, IIT Kanpur facilitated interaction between the teachers/students from all the TEQIP institutions and about 200 best professors from across the country (IISc Bangalore, ISRO, BARC) and abroad (University of Cambridge, Ohio State University). This has been achieved through 48 TEQIP events till date.

- Through several workshops, short term courses, online courses, symposiums etc. KIT has helped the participants to become familiar with new and improved teaching techniques and latest developments in their research field.

- KIT has provided a unique opportunity to PhD students from the QC institutions to spend time at IIT Kanpur, to carry out their research experiments or literature review (using our library) with a locally identified mentor. Some of these collaborations also resulted in published work.

- All KIT workshop lecture videos and slides are uploaded on KIT webpage so that interested teachers and students can view them anytime. This is an excellent resource for research and learning. There are almost 900 lectures videos across various fields.

In TEQIP - III, KIT is focusing on low income states like U.P and Bihar. KIT, IIT Kanpur is collecting feedback and planning future events according to needs of colleges in these states.