

TEQIP School on Mechanics of Reinforced Polymer Composites

22-25 January, 2017

Faculty Feedback

Workshop

Questions	Excellent	Good	Ordinary
Clarity of communication about workshop	17	6	
Organization of the sessions	16	6	
Quality of lectures	15	9	
Quality of posters	3	9	
Effectiveness of discussions	7	16	
Effectiveness of learning experience	8	14	
	Appropriate	Short	long
Duration of workshop	18	3	1
	Definitely	Maybe	No
Would you like to have more such sessions?	14	6	1
Would you like e-lectures by experts on special topics?	13	6	

<p>Suggest specific topic that you would like additional expert lectures on</p>	<ul style="list-style-type: none"> • Optimization techniques. • Pollution control and management • Environment related analysis optimization with software exposure hydraulics, fluid flow behaviour. • Some more on thermoplastic composite, nano-composite. • Transport phenomena membrane, catalysis, modelling and simulation • Finite element analysis • Lab visit is not satisfied. There should be more slots in workshop for lab experiments. • Devices & tools form safety measures handling composite materials. • Finite element modelling of laminated structures by hands on training is required. • Finite element • Analysis of composite materials. • Experimental characterization of FRP composites. • Dynamics(Linear /Non-Linear vibration) of FRP Composites structures (beam/plate/etc) • Soft skills for numerical analysis of composites. • Beam Theory • Finite element analysis • Plasticity , crystal plasticity • Basic introduction on manufacturing and testing of composite specimens.
	<ul style="list-style-type: none"> • Mechanics of functionally graded structures and stability of FG structures. • Evaluation of fracture roughness of laminated composites. • Experimental mechanics. • How to use composite material as a structural load bearing material and a construction material. • Some civil engineering related topic may be considered. • Nano Composites

Additional Suggestions	<ul style="list-style-type: none">• Lab exposure should be more, it can be of five days.• Mathematics part should be less.• Kindly have workshop in July end.• More concentration on lab. Visit and hands on training may be given.• In single day so many topics have been covered which we can't understand effectively.• Overall the organization of the event is ok.• Duration of lectures must be closed at 5pm and for rest the 2 hrs laboratory based lectures may be arranged.• In the morning of every day we can have some yoga classes (6am – 7am).• At least one lecture on social responsibility for the nation must be there.• At the end of the programme short kind of cultural programme may be organized.• Include more of hands-on and laboratory sessions.• Lectures delivered by the speaker were excellent technically. So experts should be always from seniors researchers of research centres and from IITs only.• Laboratory class/demonstration should always be in support of the lectures wherever possible.• Kindly conduct a workshop regarding preparation of specimen and testing of specimens.• The workshop was really well organized and it was very beneficial for me to listen to such speakers.
------------------------	--

Teaching

Which subjects do you teach?	<ul style="list-style-type: none">• Modelling and simulation, Optimization, Pollution control• Fluid Mechanics, Modelling for water flow, Engg Graphics.• Structure & property of polymers• Advanced polymer materials.• Mass transfer, fluid mechanics, heat transfer, thermodynamics• Finite element analysis, stability of structures.• CAD/CAM, Advanced Manufacturing Technologies FEM etc.• Manufacturing Technology.• Material science & engineering• Strength of Materials.• Casting techniques, Engineering metallurgy, mechanics of composite materials, FEM for manufacturing• Chemical processing• Vibrating, Engg Mechanics.• Adv mechanics of solids, mechanical. Vibrations, FEM, Robotics.• FEM, Stress analysis.• Strength of Materials, Engg Mechanics, Advance strength of materials, production development.• FEM, solid mechanics• Quality control techniques, fluid mechanics and basics of mechanics Engg.• Finite element method, machine design, CAD, engg, Graphics, Machine parts.• Metallurgy• Numerical Methods, Processing of Composites, FEA• Soil mechanics and foundation engineering.• Geo-Technical Engineering & transportation Engineering.• Manufacturing Science, fluid Mechanics
------------------------------	---

What is average student to teacherratio in your institute?	<ul style="list-style-type: none"> • 20:01 • 15:01 • 16:01 • 10:01 • 80:01 • 28:01 • 15:01 • 40:01 • 10:01 • 15:01 • 11:01 • 15:02 			
Questions	YES		NO	
Do you have additional support forteaching (tutors, graders, teachingAssistants, etc)?	9		14	
Do you give class projects for UGclasses?	19		3	
Do you give class projects for PG classes?	16		5	
Do you have sufficient resources for laboratory courses?	12		9	
	Sufficient		Inadequate	
Is the library/journal/e connection support adequate?	11		8	
	Definitely	May be	No	
Would you like to have common (TEQIP) repository of course material?	19	3		
Would you like to visit IITK to participate in and develop course material (existing or new)	15	7	1	
Would you like to participate in creation of the repository material (course	12	10	1	
	e-courses	Workshops	Content	none
How can IITK effectively help youprepare for teaching?	11	17	2	

<ul style="list-style-type: none"> • How can TEQIP help improve your teaching? 	<ul style="list-style-type: none"> • To provide basic teaching aids and library facilities. • More funds should be allotted for training & to attend FDP in other institutions which may improve our teaching. • It provides us opportunity to attend such programmes to increase our technical knowledge • Sharing ideas on various topics, meeting to aero faculty of various institutes at a common place through such kind of programmes. • By providing course material for analysis subject. • Funding for demonstration models • Economical laboratory equipments developments especially for material testing. • Allow us to work with premier institutions. • By supporting financially for research infrastructure development in department and support for direct/indirect expenses for research scholars. • By providing laboratory access at IIT Kanpur • By attending different workshops organized in different organizations, I came to know what was unknown to me and also was not available in books. • Having interaction with experts of different subjects is great. • Help our institute to organize such workshop with the support of such faculties. • TEQIP arrange expert talk time to time in our institute and facilitate for attending courses and workshops. • TEQIP should improve our teaching quality. It provide the facility to improve our research work.
---	--

Research

Questions	Definitely	Maybe	No
Would you like to visit an IIT for a visiting - faculty/post-doctoral fellow, if offered (via TEQIP)?	16	5	2
Would you like to share/use research infra-structure at IITK, if made available?	17	3	
Would you like to conduct collaborative research with IITK?	22	1	
Would you like lectures by experts (Indian and international) on niche research areas/topics?	19	3	
Do you want special-topic conferences?	10	9	1

How can TEQIP help improve your research?

- TEQIP can act as a mediator for providing interaction between various labs for uses of their facilities for the research.
- By lab development.
- By providing funds for developing research lab for advanced research.
- Journals availability.
- Funds for purchasing latest equipments centre facilities.
- Man power.
- Through summer internship
- If IIT faculty can mentor and provide lab facility to some projects
- If TEQIP can give funds to setup basic research facility
- Scholarship to M.Tech and PhD students.
- In our institution because of TEQIP we have purchased equipments that are necessary for doing research. More over for Phd and research scholars stipends are given using TEQIP funds.
- TEQIP provides us platform to interact with people of different technical research .
- Providing more fund for equipments and consumables.
- Sharing knowledge based ideas with various faculties at common place through programmes.
- We can use the laboratory of other institution as some of the institute do not have sufficient equipments for research.
- Through TEQIP so many students & faculty enhanced their academic degrees with their own expense it is quiet difficult to manage.
- If TEQIP provides sophisticated equipments for testing in the nearby IIT/NITs with common access to the nearby TEQIP institution will surely improve the research facility and rate.
- Through workshops update knowledge
- Travel and conference grants to attend the conferences
- Develop economical method of repositionary of various material properties.
- Provide us permission to use laboratory facilities at IIT Kanpur.
- State of the art laboratory development for practical classes and research work.
- Permit to attend international conference under TEQIP fund
- Develop advance instrumentation and testing facilities.
- Mentoring and facilitating to pursue research
- TEQIP helps in enhancing the knowledge by giving opportunity to attend the workshop/seminar organized in different organization where we come to know the base concept visually. Also because of TEQIP, this type of workshop is always organized. The course materials which is provided after workshop is also beneficial which will help me for doing my research.
- Yes, TEQIP help us to improve our research in present 4 day school. Reinforced polymer composites. We learn a lot regarding mechanics of composites, experimental and testing of composites. We want more & more on practical part.
- TEQIP provide financial support for research work and provide infrastructure related to research also give expenses for visit to IITs and other best institution to getting some knowledge about our research topic and permission to use laboratory under the supervision of experts of these institutions.
- TEQIP provide financial support for research work and provide infra structure related to research and also give expenses for visit to IIT so their best institution to getting more knowledge about research related work.
-

