

TEQIP workshop on High Resolution X-Ray and Electron Diffraction



01 - 05 February 2016

Faculty Feedback

Workshop

<i>Questions</i>	<i>Excellent</i>	<i>Good</i>	<i>Ordinary</i>
Clarity of communication about workshop	04	06	00
Organization of the sessions	03	07	00
Quality of lectures	07	03	00
Effectiveness of discussions	03	07	00
Effectiveness of learning experience	02	07	01
	<i>Appropriate</i>	<i>Short</i>	<i>long</i>
Duration of workshop	08	02	00
	<i>Definitely</i>	<i>Maybe</i>	<i>No</i>
Would you like to have more such	08	02	00
Would you like e-lectures by experts on	06	01	00
Suggest specific topic that you would like additional expert lectures on	<ul style="list-style-type: none"> ➤ Experimental procedure for SEM and TEM ➤ Metal recovery from waste ➤ Power plant materials. ➤ Use of spectroscopic techniques to analyze combustion generated pollutant. ➤ Heat transfer. ➤ Advanced functional materials ferroelectric. ➤ Thermodynamics of interfaces in metals and alloys ➤ Nano alloys ➤ Small angle scattering (SAXS) ➤ Polarized light microscopy ➤ Dielectric spectroscopy ➤ Dynamic mechanical analysis (DMA) ➤ More lectures on SEM, TEM and structural changes with temp ➤ Mathematical modelling on various metallurgical processes. 		

Additional Suggestions	<ul style="list-style-type: none"> ➤ Lab demonstration for XRD and SEM, TEM ➤ Lab session must be more ➤ Discussion part must be more. ➤ It will be better if you could organize such workshops during summer and winter vacation. ➤ There should be a fully dedicated workshop on XRD line profile analysis (may be from Prof. Unger's group) ➤ Such workshop are very good for faculty members of different field. However if speakers do not go in very depth theoretical experimental/practical knowledge with participants, it would create more interest among the participants ➤ If we can practice or run the software in our own. Then it will be better for us.
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Teaching

Which subjects do you teach?	<ul style="list-style-type: none"> ➤ Material Science ➤ Principals of extraction metallurgy, iron and steel making, mineral processing ➤ Heat and mass transfer, power plant engg., Gas Turbine & Jet propulsion. ➤ Combustion generated nano organic carbon. ➤ Electromagnetic Theory condensed matter physics ➤ Thermodynamics of materials, advanced composite materials, advanced experimental techniques engineering metallurgy ➤ Polymer Sc. & Tech., Polymer Composites. ➤ Structure Prop. Relationship of polymer. ➤ Engineering Physics ➤ Composite materials, Measurement and Control, Engineering Graphics. ➤ X-Ray Diffraction, MTK, Mineral Processing 	
What is average student to teacher ratio in your institute?	<ul style="list-style-type: none"> ➤ 40:01 ➤ 20:01 ➤ 17:01 ➤ 15:01 ➤ 18-20:01 	
Questions	YES	NO
Do you have additional support for teaching (tutors, graders, teaching Assistants, etc)?	04	06
Do you give class projects for UG classes?	08	02
Do you give class projects for PG classes?	07	03
Do you have sufficient resources for laboratory courses?	03	07

	<i>Sufficient</i>	<i>Inadequate</i>		
Is the library/journal/e-connection support adequate?	02	08		
	<i>Definitely</i>	<i>May be</i>	<i>No</i>	
Would you like to have common (TEQIP) repository of course material?	10	00	00	
Would you like to visit IITK to participate in and develop course material (existing or new)	08	02	00	
Would you like to participate in creation of the repository material (course files/lab. Manuals/question bank/etc)	08	02	00	
	<i>e-courses</i>	<i>Workshops</i>	<i>Content</i>	<i>none</i>
How can IITK effectively help you prepare	07	07	03	
How can TEQIP help improve your teaching?	<ul style="list-style-type: none"> ➤ By teaching-learning methodology ➤ Helping us to provide materials & scope related to our subject area. ➤ By teaching-learning process ➤ TEQIP should start initiative to make a webpage where the experimental/research facilities/resources purchased with TEQIP grant should be listed(institute wise) and should facilitate the testing of sample from TEQIP institution free of cost. ➤ To attend workshops, visiting faculty position at IIT, IISc, financial support. ➤ Even organizing such workshops (support financially) ➤ By organizing the workshops on Teaching methodologies and on basic subjects o fimportance. 			

Research

<i>Questions</i>	<i>Definitely</i>	<i>Maybe</i>	<i>No</i>
Would you like to visit an IIT for a visiting-faculty/post-doctoral fellow, if offered (viaTEQIP)?	10	00	00
Would you like to share/use research infrastructure at IITK, if made available?	10	00	00
Would you like to conduct collaborative research with IITK?	10	00	00
Would you like lectures by experts (Indian and international) on niche research areas/topics?	08	02	00
Do you want special-topic conferences?	07	03	00

<p>How can TEQIP help improve your research?</p>	<ul style="list-style-type: none">➤ By collaborative research work visiting research programme➤ Provide research facilities during the project work.➤ To support financially to interact and collaborate with researchers through workshops.➤ TEQIP should take care of consumables TA/DA sample testing for student/ faculty.➤ By allowing us to use the advanced facilities at IIT Kanpur.➤ Allow us to use research facility at all IIT's and provide funds for doing research.➤ By providing facility available in different TEQIP institutions.
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