

TEQIP Workshop on  
**Microstructure Engineering via Heat Treatments**

**19 - 21 October 2015**

**Faculty Feedback**

**Workshop**

<i>Questions</i>	<i>Excellent</i>	<i>Good</i>	<i>Ordinary</i>
Clarity of communication about workshop	06	01	00
Organization of the sessions	05	02	00
Quality of lectures	06	01	00
Quality of posters	02	03	00
Effectiveness of discussions	06	01	00
Effectiveness of learning experience	05	01	00
	<i>Appropriate</i>	<i>Short</i>	<i>long</i>
Duration of workshop	00	06	00
	<i>Definitely</i>	<i>Maybe</i>	<i>No</i>
Would you like to have more such sessions?	07	00	00
Would you like e-lectures by experts on special topics?	05	01	00
Suggest specific topic that you would like additional expert lectures on	<ul style="list-style-type: none"> <li>• Mathematical modelling applications in metallurgy and process metallurgy.</li> <li>• Phase diagrams</li> <li>• Micro-structure property relationship</li> <li>• Heat treatment</li> <li>• Mechanical behaviour of materials.</li> <li>• Micro-structure engineering via mechanical testing</li> <li>• Electron microscopy</li> </ul>		
Additional Suggestions	<ul style="list-style-type: none"> <li>• Copy of presentations should be provided in the form of CD to participants.</li> <li>• There should be some arrangement to visit famous places of the city just to have outing and have idea of the city. Most of the participant travelled from far places to attend the workshop.</li> <li>• More advanced laboratory classes are required.</li> <li>• Total duration of workshop may be extended for one week.</li> <li>• Conduct some knowledgeable programs where exchange of knowledge can occur between faculty members with industrial as well as with the researchers and scientists.</li> </ul>		

## Teaching

Which subjects do you teach?	<ul style="list-style-type: none"> <li>• X- ray diffraction</li> <li>• Metallurgical thermodynamics and Kinetics</li> <li>• Testing of materials</li> <li>• Process metallurgy</li> <li>• Material Science &amp; Material Engineering</li> <li>• Advanced manufacturing process</li> <li>• Physical metallurgy</li> <li>• Heat treatments and Phase transformations</li> <li>• Manufacturing Engineering</li> <li>• Vibration, CAD, FEM &amp; dynamics of M/c</li> <li>• Machine design and Material modelling</li> </ul>			
What is average student to teacher ratio in your institute?	<ul style="list-style-type: none"> <li>• 1:20</li> <li>• 1:40</li> <li>• 1:30</li> <li>• As per AICTE rules</li> </ul>			
<b>Questions</b>	<b>YES</b>	<b>NO</b>		
Do you have additional support for teaching ( tutors, graders, teaching Assistants, etc)?	02	05		
Do you give class projects for UG classes?	07	00		
Do you give class projects for PG classes?	04	03		
Do you have sufficient resources for laboratory courses?	00	07		
	<b>Sufficient</b>	<b>Inadequate</b>		
Is the library/journal/e-connection support adequate?	03	04		
	<b>Definitely</b>	<b>May be</b>	<b>No</b>	
Would you like to have common (TEQIP) repository of course material?	04	02	01	
Would you like to visit IITK to participate in and develop course material (existing or new)	06	01	00	
Would you like to participate in creation of the repository material (course files/lab. Manuals/question bank/etc)	05	02	00	
	<b>e-courses</b>	<b>Workshops</b>	<b>Content</b>	<b>none</b>
How can IITK effectively help you prepare for teaching?	05	06	03	00

How can TEQIP help improve your teaching?	<ul style="list-style-type: none"> <li>• It can help in deeper our basic concepts by various experts having deep knowledge of the field.</li> <li>• Interaction with professor in workshop and research collaborations.</li> <li>• Through e-connection support and journals.</li> <li>• Extending lab facilities providing study materials.</li> <li>• By giving sufficient knowledge in our research and teaching area by conducting such type of workshops and short term courses.</li> </ul>
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## 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)?	05	02	00
Would you like to share/use research infrastructure at IITK, if made available?	07	00	00
Would you like to conduct collaborative research with IITK?	06	01	00
Would you like lectures by experts (Indian and international) on niche research areas/topics?	07	00	00
Do you want special-topic conferences?	04	03	00
How can TEQIP help improve your research?	<ul style="list-style-type: none"> <li>• It can help us in faculty exchange programs by providing funding as well as research facilities.</li> <li>• Collaborative research work allowing testing facilities and joint supervision of M. Tech students.</li> <li>• By giving opportunity to pursue our research through different programs.</li> <li>• Through experimental work.</li> <li>• Most of the institutes have no infrastructure for doing researches, this certainly helps to motivate candidate to see the lab facility and well organized lectures by experts.</li> </ul>		