

# TEQIP Workshop on Machining Dynamics

18-22 July 2016

## Faculty Feedback

### Workshop

<i>Questions</i>	<i>Excellent</i>	<i>Good</i>	<i>Ordinary</i>
Clarity of communication about workshop	09	03	00
Organization of the sessions	12	01	00
Quality of lectures	13	01	00
Effectiveness of discussions	08	05	00
Effectiveness of learning experience	07	08	00
	<i>Appropriate</i>	<i>Short</i>	<i>long</i>
Duration of workshop	06	04	01
	<i>Definitely</i>	<i>Maybe</i>	<i>No</i>
Would you like to have more such sessions?	12	02	00
Would you like e-lectures by experts on special topics?	12	00	00
Suggest specific topic that you would like additional expert lectures on	<ul style="list-style-type: none"> <li>• Difference software used.</li> <li>• Experimental work.</li> <li>• Design &amp; development in m/c tool systems using m/c dynamics.</li> <li>• Manufacturing automation, non-conventional machining process etc.</li> <li>• Active damping</li> <li>• A course on how FEA modelling can be done for different manufacturing process biomaterial processing.</li> <li>• Modal analysis, non-linear chatter control in detail.</li> <li>• More practical sessions would be appreciated.</li> <li>• Advancement by materials technology advanced vibrations.</li> <li>• Advanced Tooling.</li> <li>• Relating Machine tool design.</li> <li>• More explanation on importance of variable and their practical applications.</li> </ul>		

Additional Suggestions	<ul style="list-style-type: none"> <li>• Lectures are mostly mathematical as the subject requires however, some physical demos (application) can be included to make it more interesting.</li> <li>• Lab visit to different labs &amp; industrial visit.</li> <li>• Collaboration of IITs with other educational organization may help in enhancing our knowledge.</li> <li>• Providing hard/soft copy of course material in advance will help get insight about the session.</li> </ul>
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## Teaching

Which subjects do you teach?	<ul style="list-style-type: none"> <li>• Engg. Mechanics, Strength of Material, Thermodynamics, Fluid Mechanics</li> <li>• Vibration analysis.</li> <li>• Manufacturing Science, CAD/CAM non-conventional.</li> <li>• Machine design, Mechanics, Strength of Materials.</li> <li>• CAM, Manufacturing Sc. &amp; Engg.</li> </ul>			
What is average student to teacher ratio in your institute?	<ul style="list-style-type: none"> <li>• 15:01</li> <li>• 16:01</li> </ul>			
<b>Questions</b>	<b>YES</b>	<b>NO</b>		
Do you have additional support for teaching (tutors, graders, teaching Assistants etc.)?	04	03		
Do you give class projects for UG classes?	06	01		
Do you give class projects for PG classes?	06	01		
Do you have sufficient resources for laboratory courses?	02	05		
	<b>Sufficient</b>	<b>Inadequate</b>		
Is the library/journal/e-connection support adequate?	06	02		
	<b>Definitely</b>	<b>May be</b>	<b>No</b>	
Would you like to have common (TEQIP) repository of course material?	08	00	00	
Would you like to visit IITK to participate in and develop course material (existing or new)	07	02	00	
Would you like to participate in creation of the repository material (course files/lab, Manuals/question bank/etc)	05	03	00	
	<b>e-courses</b>	<b>Workshops</b>	<b>Content</b>	<b>none</b>
How can IITK effectively help you prepare for teaching?	05	07	00	00

<p>How can TEQIP help improve your teaching?</p>	<ul style="list-style-type: none"> <li>• By TEQIP courses we obtain the exposure &amp; inside knowledge of subjects.</li> <li>• TEQIP help us to upgrade our knowledge level by conducting such types of workshops/programs etc.</li> <li>• TEQIP helped us to have an access of knowledge &amp; experience of the faculty of institute like IIT &amp; IIM through various courses conference/workshops.</li> <li>• Through intensive teaching &amp; providing funds for projects.</li> <li>• Understanding &amp; delivering the sub stuff.</li> <li>• By attending workshops and by e-courses we could do better.</li> <li>• Good knowledge sharing.</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)?	09	02	00
Would you like to share/use research infrastructure at IITK, if made available?	11	01	00
Would you like to conduct collaborative research with IITK?	11	01	00
Would you like lectures by experts (Indian and international) on niche research areas/topics?	10	00	00
Do you want special-topic conferences?	08	02	01

How can TEQIP help improve your research?

- Can arrange extra-talks apart from sessions with experts for better understanding of the topics.
- TEQIP help us by conducting visiting research programs and by other events to do some new R&D work in our field of specialization.
- It might help to build our machines in better way.
- TEQIP helped us to process various apparatus & instruments useful for different research to various conference also help us to progress effectively.
- Through focussed workshops and funds for thrust area projects.
- By making more collaboration with other institution with IITs/NITs and conducting collaborative workshops, lectures.
- Frequent meetings with professors here & workshops conference etc.
- Inviting more people from industry and selecting more specific topic and more lab or experimental setup will help