

# Dynamics and Vibrations

## Summary of Faculty Feedback

Knowledge Incubation for TEQIP

30 June - 3 July 2014

### Workshop

Questions	Excellent	Good	Ordinary
Clarity of communication about workshop	03	05	00
Organization of the sessions	06	02	00
Quality of lectures	06	02	00
Effectiveness of discussions	04	04	00
Effectiveness of learning experience	05	03	00
	<b>Appropriate</b>	<b>Short</b>	<b>long</b>
Duration of workshop	04	04	
	<b>Definitely</b>	<b>Maybe</b>	<b>No</b>
Would you like to have more such sessions?	06	02	00
Would you like e-lectures by experts on special	06	01	01
<b>Suggest specific topic that you would like additional expert lectures on</b>	<ul style="list-style-type: none"> <li>• Different types of vibration absorption system.</li> <li>• Static &amp; dynamics, strength of materials.</li> <li>• Random vibration, Non linear vibration.</li> <li>• Rotation in rigid body dynamics.</li> <li>• Non linear Vibration.</li> <li>• Experimental techniques.</li> </ul>		
<b>Additional Suggestions</b>	<ul style="list-style-type: none"> <li>• Practicals are missing workshop.</li> <li>• Include some lab sessions.</li> <li>• Some more lectures may be devoted to get expertise in the area.</li> <li>• Schedule of talks &amp; brief idea about the topics to be discussed may be communicated beforehand.</li> <li>• Course material on discussed topics.</li> <li>• There should be only two lectures for experimental exposure.</li> <li>• TEQIP should get feedback about expenditure.</li> <li>• There should be restriction on spending money on civil work.</li> </ul>		

## Teaching

Which subjects do you teach?	<ul style="list-style-type: none"> <li>•Mechanical vibration</li> <li>•Engg. Mechanics, Strength of materials, Machenics of composites, Dynamics of structure.</li> <li>•Design and Dynamics of Machine.</li> <li>•Material Science &amp; Mechanical vibrations.</li> <li>•Measurement and control.</li> <li>•Basics of Mechanism, Machine design &amp; drawing.</li> <li>•Vibrations, CAD</li> <li>•Manufacturing/Numerical methods</li> </ul>			
What is average student to teacher ratio in your institute?	<ul style="list-style-type: none"> <li>• 20:01</li> <li>• 15:01</li> <li>• 20:01</li> <li>• 25:01</li> </ul>			
<b>Questions</b>	<b>YES</b>		<b>NO</b>	
Do you have additional support for teaching (tutors, graders, teaching Assistants, etc)?	04		04	
Do you give class projects for UG classes?	06		02	
Do you give class projects for PG classes?	06		02	
Do you have sufficient resources for laboratory courses?	01		07	
	<b>Sufficient</b>		<b>Inadequate</b>	
Is the library/journal/e-connection support adequate?	04		04	
	<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	01	00	
Would you like to participate in creation of the repository material (course files/lab. Manuals/question bank/etc)	07	01	00	
	<b>e-courses</b>	<b>Workshops</b>	<b>Content</b>	<b>none</b>
How can IITK effectively help you prepare for teaching?	04	06	01	00

<p>How can TEQIP help improve your teaching?</p>	<ul style="list-style-type: none"><li>•Time to time organize the courses and workshop related to new research topic.</li><li>•For providing such workshops &amp; STC.</li><li>•It is very helpful to enhance our knowledge in that particular field.</li><li>•By sending the expert to the home institution who can give their suggestion.</li><li>•Curriculum development.</li><li>•Providing study material.</li><li>•Experimentation.</li><li>•By providing funds for purchasing instruments.</li><li>•Conducting core subjects workshops in the filed of Mech. Engg. particularly in Manufacturing Engg.</li></ul>
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## Research

Questions	Definitely	Maybe	No
Would you like to visit an IIT for a visiting-faculty/post-doctoral fellow ,if offered(via TEQIP)?	07	01	00
Would you like to share/use research infrastructure at IITK, if made available?	08	00	00
Would you like to conduct collaborative research with IITK?	07	01	00
Would you like lectures by experts (Indian and international) on niche research areas/topics?	08	00	00
Do you want special-topic conferences?	06	02	00
How can TEQIP help improve your research?	<ul style="list-style-type: none"> <li>•Improve your research by the help of money and conversation of discussion.</li> <li>•By conducting workshop in specific research areas as per the need of country/society.</li> <li>•Help for purchasing such needful equipment to work with the problems.</li> <li>•By giving common platform of the NIT with IIT's &amp; also by building the basic research facility in the institution.</li> <li>•Research grant for experimental setup.</li> <li>•Workshops &amp; courses on specific focussed topic.</li> </ul>		