

## TEQIP Short Term Course on Research Skill and Methods ( 19-21 February 2016 )

### Faculty Feedback

#### Workshop

Question	<i>Excellent</i>	<i>Good</i>	<i>Ordinary</i>
Clarity of communication about workshop	16	06	01
Organization of the sessions	19	04	02
Quality of lectures	16	08	01
Effectiveness of discussions	11	13	01
Effectiveness of learning experience	12	11	01
	<b>Appropriate</b>	<b>Short</b>	<b>Long</b>
Duration of workshop	18	06	00
	<b>Definitely</b>	<b>May be</b>	<b>No</b>
Would you like to have more such sessions?	17	07	00
Would you like e-lectures by experts on special topics?	22	02	00
Suggest specific topic that you would like additional expert lectures on	<ul style="list-style-type: none"> <li>➤ Literature survey technique.</li> <li>➤ Physical interpretation of mathematical equation</li> <li>➤ Paper writing techniques.</li> <li>➤ Advances in analog &amp; Digital electronics</li> <li>➤ Digital image processing</li> <li>➤ Application based explanation of stasified measures (ex. Image processing based.).</li> <li>➤ Digital image processing, Linear Algebra.</li> <li>➤ Technical writing.</li> <li>➤ Number Theory.</li> <li>➤ Optimization.</li> <li>➤ Mathematical foundations for any research.</li> <li>➤ Data visualization of optimisation.</li> <li>➤ Analog signal processing/microelectronics.</li> <li>➤ Data Visualisations.</li> <li>➤ More focussed statistic techniques on approximation, probability distribution &amp; else with image processing applications.</li> <li>➤ Formal method, Pi-calculus on CCS, CSP in computer science.</li> <li>➤ Process modelling formulation optimization (CFD)</li> <li>➤ Optimization techniques.</li> </ul>		
Additional Suggestions	<ul style="list-style-type: none"> <li>➤ How to conclude the observation is effective way.</li> <li>➤ Presentations of Tables, Figures etc. property is papers for refried journals.</li> <li>➤ More hands on practice required</li> <li>➤ Medical image processing.</li> <li>➤ Course not (hard copy) should be given before/end of session if topic covered in next session are inter-related.</li> <li>➤ Basic mathematical concepts.</li> </ul>		

	<ul style="list-style-type: none"> <li>➤ More time to be given to participants to have hands on experience on each subject topic covered.</li> <li>➤ Give more scope to electronics section in current mode circuit.</li> <li>➤ In was overall good. Some of basic titles could be chopped &amp; advance &amp; newer titles be added.</li> <li>➤ Examples of real life problems &amp; research methods in details.</li> </ul>
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## Teaching

Which subjects do you teach?	<ul style="list-style-type: none"> <li>➤ Manufacturing Science I&amp;II</li> <li>➤ Theory of machine</li> <li>➤ Dbms, operating systems, compiler design, data mining soft computing (all cse)</li> <li>➤ Programing in C, python</li> <li>➤ Digital electronics, microprocessor, basic electronics</li> <li>➤ Signals &amp; system</li> <li>➤ Web Technology, computer networks mobile computing data structure</li> <li>➤ Analog &amp; Digital electronics &amp; related subjects.</li> <li>➤ Medical Image programming</li> <li>➤ Pattern Recognition</li> <li>➤ Chemistry subject -inorganic chemistry.</li> <li>➤ Distributed computers, Analysis &amp; Design of Algorithm.</li> <li>➤ Modelling &amp; Simulation, optimization.</li> <li>➤ DBMS</li> <li>➤ Heat transfer</li> <li>➤ Computer Science &amp; Engineering.</li> <li>➤ Microprocess system design.</li> <li>➤ Polymers</li> <li>➤ Microprocessors, integrated circuit, network analysis &amp; synthesis</li> <li>➤ Formal language &amp; automatic data structure.</li> <li>➤ Embedded systems, computer vision &amp; image processing</li> <li>➤ Automata theory, mobile computing</li> <li>➤ Mass transfer , thermodynamics</li> <li>➤ Engg. mechanics, machine design robotic engg.</li> <li>➤ Defination and nature of research</li> </ul>
What is average student to teacher ratio in your institute?	<ul style="list-style-type: none"> <li>➤ 20:01</li> <li>➤ 30:01</li> <li>➤ 15:1</li> <li>➤ 15:01</li> <li>➤ UG- 20:01</li> <li>➤ PG- 100:01</li> <li>➤ 15:01</li> </ul>

	<ul style="list-style-type: none"> <li>➤ 20:01</li> <li>➤ 50:01</li> <li>➤ 20:01</li> <li>➤ 18:01</li> <li>➤ 20:01</li> <li>➤ 15:01</li> <li>➤ 20:01</li> <li>➤ 20:01</li> <li>➤ 1:15</li> </ul>			
<b>Questions</b>	<b>Yes</b>	<b>No</b>		
Do you have additional support for teaching (tutors, graders, teaching Assistants, etc)?	08	15		
Do you give class projects for UG classes?	22	03		
Do you give class projects for PG classes?	15	06		
Do you have sufficient resources for laboratory courses?	17	08		
	<b>Sufficient</b>	<b>Inadequate</b>		
Is the library/journal/e-connection support adequate?	06	17		
	<b>Definitely</b>	<b>May be</b>	<b>No</b>	
Would you like to have common (TEQIP) repository of course material?	19	03	00	
Would you like to visit IITK to participate in and develop course material (existing or new)	16	08	00	
Would you like to participate in creation of the repository material (course files/lab. Manuals/question bank/etc)	16	08	01	
	<b>e-courses</b>	<b>Workshops</b>	<b>Content</b>	<b>None</b>
How can IITK effectively help you prepare for teaching?	10	19	02	01
How can TEQIP help improve your teaching?	<ul style="list-style-type: none"> <li>➤ By provide opportunity for attend such type courses in future.</li> <li>➤ By attaching short terms course, workshops Etc.</li> <li>➤ By providing workshops on different courses.</li> <li>➤ Getting lot of chances for improvement</li> <li>➤ By providing me opportunity to attend various workshop across the country.</li> <li>➤ Image processing</li> <li>➤ Chance to attend more workshops fdps relavent</li> <li>➤ Promote R&amp;D work funding for attending FSD work separate scholarship for Phd etc.</li> <li>➤ Funding for attending FSD, scholarship for PhD Scholors.</li> <li>➤ Providing e-courses, conducting workshops.</li> <li>➤ By providing maximum teaching material which can be easily downloaded.</li> </ul>			

	<ul style="list-style-type: none"> <li>➤ Updating on recent trends in specific areas.</li> <li>➤ Hands on experimental work/workshop</li> <li>➤ FEPs &amp; workshops</li> <li>➤ Average to poor teachers be identified and after the required inputs improvements in their teacher quality be evaluated.</li> <li>➤ In can by giving more lectures on analog field &amp; electronics sections.</li> <li>➤ International conference.</li> <li>➤ Workshops</li> <li>➤ TEQIP can help in providing e-resources of iitk like e-journals, e-book etc.</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)?	17	06	02
Would you like to share/use research infra-structure at IITK, if made available?	22	03	00
Would you like to conduct collaborative research with IITK?	22	03	00
Would you like lectures by experts (Indian and international) on niche research areas/topics?	24	01	00
Do you want special-topic conferences?	18	07	00
How can TEQIP help improve your research?	<ul style="list-style-type: none"> <li>➤ By giving opportunity for the faculties &amp; student (PG) of our college to attend such programme</li> <li>➤ By encouraging collaborative research project (Jointly bolt by our Inst.&amp;IIT)</li> <li>➤ TEQIP can grant me &amp; can provide financial aid for attending the workshops &amp; conferences around world.</li> <li>➤ This type of intersection will give me a confidence and experience.</li> <li>➤ Helped to attend various workshop &amp; conference</li> <li>➤ Funding for attending conference journal publications</li> <li>➤ Various in house program organization in my infraction help me to complete my research.</li> <li>➤ Helped to attend various workshop and conference.</li> <li>➤ Funding for attending conference/journal publication.</li> <li>➤ Various in-house program organized in my institution help me to complete my research.</li> <li>➤ By attending tours related to my specific area.</li> <li>➤ By attending courses related to my specific area.</li> <li>➤ By providing proper interaction with experts.</li> <li>➤ By motivating in specific area where sufficient work has been done.</li> </ul>		

	<ul style="list-style-type: none"> <li>➤ For private TEQIP funded institute, limitations are here that no physical object can be purchase under TEQIP grant.</li> <li>➤ TEQIP helps to allocate/bear private institute faculty research support to NIT/IIT budget.</li> <li>➤ It provide with lots of experts in terms of opportunity to take part in conference, publish paper.</li> <li>➤ By attending through these trends of workshops.</li> <li>➤ Instruments purchases should be able to run, maintain and operate by technical staff at all centers.</li> <li>➤ Giving more information about analog VLSI desing.</li> <li>➤ Journals should be available licence for web of science.</li> <li>➤ Relevant information &amp; workshop about my research area “Formal method, Pi-calculus CCS” and Descrete Mathematics.</li> <li>➤ By providing opportunity to work with people in IIT Who are best in the basics.</li> <li>➤ TEQIP can help in providing access to all TEQIP institution, the e-resources through internet like course materials of professors available at internet, resources like e-journals e-books, magazines etc.</li> </ul>
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**Additional Questions for TEQIP 3<sup>rd</sup> Phase:**

1. Would you want in the 3<sup>rd</sup> phase of TEQIP paid access to high end experimental facilities in specific institution?

**Ans:** 19 says yes

2. Would you be interested in having end state art of activity TEM, SHRTM etc at specific institution (in the TEQIP fold so that all TEQIP institution can access) ?

**Ans:** 18 Says Yes.