

TEQIP Workshop  
on  
Modeling, Simulation and Implementation using Matlab and Simulink  
1-2 February 2017

Faculty Feedback  
**Workshop**

Questions	Excellent	Good	Ordinary
Clarity of communication about workshop	10	10	3
Organization of the sessions	6	9	5
Quality of lectures	6	14	
Quality of posters	3	11	4
Effectiveness of discussions	4	13	3
Effectiveness of learning experience	3	13	3
	<b>Appropriate</b>	<b>Short</b>	<b>long</b>
Duration of workshop	6	13	
	<b>Definitely</b>	<b>Maybe</b>	<b>No</b>
Would you like to have more such sessions?	13	5	2
Would you like e-lectures by experts on special topics?	19	1	
<b>Suggest specific topic that you would like additional expert lectures on</b>	<ul style="list-style-type: none"> <li>• Hands on project execution from scratch using ardnins, raspberry pi etc.</li> <li>• SMART GRID &amp; IOT</li> <li>• Only hands on workshop is more effective for workshops on softwares.</li> <li>• Working on arduino, raspberry pi.</li> <li>• Neural networks, fuzzy logic &amp; (artificial intelligence)</li> <li>• Give some ideas to relate bio-mathematics to programmes &amp; how to draw graphs.</li> <li>• Energy efficiency and management IOT based small grids. Hybrid energy sources.</li> <li>• Computational fluid dynamics.</li> <li>• IOT , hardware target, simspace, simmechanics, simwise 4D, contact modelling.</li> <li>• Thermal hydraulic modelling.</li> <li>• Power electronics converters, THD analysis etc. MLI.</li> <li>• Some basic about MATLAB because many have attended this to get some basic knowledge. As we are new to MATLAB, LATEX.</li> </ul>		

**Additional Suggestions**

- Better accommodation should be provided. Transport facility, better food(lunch, dinner) should be provided
- Fooding and accommodation of participants leaves a lot to be desired. This fault need to be improved a lot.
- Hands on experience is not there, but you asked to bring us laptops.
- Conduct hands-on workshop on MATLAB.
- Hands on workshop to be conducted.
- Some useful topics related to mathematics.
- It has to be hands on exercise.
- Some hands-on practice session has to be there.

## Teaching

Which subjects do you teach?	<ul style="list-style-type: none"> <li>• Thermal Engg</li> <li>• Manufacturing subjects.</li> <li>• Thermal Engg subjects.</li> <li>• Physics</li> <li>• Advanced control system, MPMC.</li> <li>• Control systems, soft computing.</li> <li>• MATLAB, electric, hybrid vehicles.</li> <li>• Control System</li> <li>• Mechatronics, microprocessors theory of machines.</li> <li>• Mathematics I II II</li> <li>• Electrical machines, control systems.</li> <li>• Basic mechanical Engg.</li> <li>• Basic electrical and control systems</li> <li>• Mobile computing</li> <li>• Mining</li> <li>• Control system.</li> <li>• Engineering Physics, Nuclear Engg.</li> <li>• Power electronics, electric drives power quality.</li> <li>• Mathematics.</li> </ul>		
What is average student to teacher ratio in your institute?	<ul style="list-style-type: none"> <li>• 22:01</li> <li>• 22:01</li> <li>• 15:01</li> <li>• 17:01</li> <li>• 18:01</li> <li>• 20:01</li> <li>• 60:01</li> <li>• 10:01</li> <li>• I handle around 80 students</li> <li>• 18:01</li> <li>• 60:01</li> <li>• 30:01</li> </ul>		
<b>Questions</b>	<b>YES</b>	<b>NO</b>	
Do you have additional support for teaching (tutors, graders, teaching Assistants, etc)?	14	6	
Do you give class projects for UG classes?	16	4	
Do you give class projects for PG classes?	11	7	
Do you have sufficient resources for laboratory courses?	17	3	
	<b>Sufficient</b>	<b>Inadequate</b>	
Is the library/journal/e-connection support adequate?	16	4	
	<b>Definitely</b>	<b>May be</b>	<b>No</b>
Would you like to have common (TEQIP) repository of course material?	19		

Would you like to visit IITK to participate in and develop course material (existing or	18	2		
Would you like to participate in creation of the repository material (course files/lab. Manuals/question bank/etc)	16	3	1	
	<b>e-courses</b>	<b>Workshops</b>	<b>Content</b>	<b>none</b>
How can IITK effectively help you prepare for teaching?	13	17	4	
How can TEQIP help improve your teaching?	<ul style="list-style-type: none"> <li>• Attending workshops, seminars</li> <li>• By providing all of the above.</li> <li>• For attending workshops.</li> <li>• By conducting workshop.</li> <li>• By participating in both inhouse &amp; outstation.</li> <li>• FDP's and pedagogical as well as MEPS.</li> <li>• Participating in several inhouse and outstation faculty development programme.</li> <li>• By lectures &amp; other material.</li> <li>• By organisation workshops for new topics.</li> <li>• Add-on workshops would help.</li> <li>• Enhanced understanding.</li> <li>• By providing funds to attend and organize workshop FDP etc.</li> </ul>			

## Research

<b>Questions</b>	<b>Definitely</b>	<b>Maybe</b>	<b>No</b>
Would you like to visit an IIT for a visiting-faculty/post-doctoral fellow ,if offered(via TEQIP)?	18	2	
Would you like to share/use research infrastructure at IITK, if made available?	19	1	
Would you like to conduct collaborative research with IITK?	20		
Would you like lectures by experts (Indian and international) on niche research areas/topics?	18	2	
Do you want special-topic conferences?	16	1	1

How can TEQIP help improve your research?

- By organizing different workshops, seminars, conferences.
- Better hospitality.
- By providing hands on workshops on software or practical things.
- By conducting research work & support us facility in NIT & IITs.
- By providing funding support for equipments and for conferences workshops.
- I am getting TEQIP fellowship which is supporting me financially to do my research work bitterly.
- Opportunity to attend both national & international conferences & workshops. Funding for research and paper publishing, patent registration etc.
- Got as opportunity to visit different IIT's.
- Conducting needful workshops.
- It allow me to purchase OPAL-RT at HBTU Kanpur which can help my research project etc.