

TEQIP Short course on Basic Physics

13 - 24 June 2016

Student Feedback

Workshop

<i>Questions</i>	<i>Excellent</i>	<i>Good</i>	<i>Ordinary</i>
Clarity of communication about workshop	25	12	02
Organization of the sessions	30	09	00
Quality of lectures	32	07	00
Quality of posters	15	19	2
Effectiveness of discussions	17	22	00
Effectiveness of learning experience	19	20	00
	<i>Appropriate</i>	<i>Short</i>	<i>long</i>
Duration of workshop	19	18	02
	<i>Definitely</i>	<i>Maybe</i>	<i>No</i>
Would you like to have more such sessions?	38	00	00
Would you like e-lectures by experts on special topics?	37	02	00
Suggest specific topic that you would like additional expert lectures on	<ul style="list-style-type: none"> • Machine. • Special theory of relativity. • Electrodynamics. • Optics: Quantum and mechanics. • Electromagnetism. • Quantum mechanics, optics. • Chaos and non-linear dynamics. • Thermodynamics, applications of physics in daily life, physical interpretation of quantum mechanics phenomenons. • Mathematical methods of physics. • Quantum Entanglement, cosmology, 4-D • Thermal Physics, Computational Physics. • Astrophysics, thermal physics computational physics. • Quantum mechanics & non linear dynamics. • Some type of application of physics in daily life to understand more. • Black holes, astronomy, astrophysics. • Energy nuclear physics. • Gravitational Waves, Ion beam accelerator • Stochastic Analysis • Theory of relativity. • Black holes • Universe, Astrophysic. • Gravitational Waves. • Non linear dynamics. • Information Theory, recent discoveries. • Numerical Analysis and computing • Polarization, Particle Physics, GTR, STR 		

Additional Suggestions	<ul style="list-style-type: none"> • Time duration for the short course should be increased. • More lab experiments and more newly discovered matter. • The lectures on quantum mechanics could have been better and mechanics, more comprehensive. • Students should have been from more diverse locations. Too many students from Jadavpur University spoils the environment for learning a new thing together and creates group in the class. • Study materials of basic experiments. • E-lectures should be provided. • No of lectures should be increased. • More practical classes should be held. Students should join for different projects in this short course and they should be inspired to make new things like mobile microscope. • More fine tuned lectures, open ended labs • There must be some classes about some recent research area like cosmology. • More make discussion talk about some additional research areas. • If there will be more lectures on nuclear physics & particle physics it will be helpful to us. • Would like to have more laboratory session ‘small experiment big learning’ sessions were excellent • The lecture would have been more attractive. • More lectures on every topic. • UG lab sessions can be increased. • The duration of the session should be enlarged, so than for one topic we got get more classes.
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Learning

<i>Questions</i>	<i>Yes</i>	<i>No</i>	
Do you get enough class projects?	23	15	
Is the learning adequate?	31	07	
Do you have sufficient resources for laboratory courses?	33	04	
What is your area of specialization	<ul style="list-style-type: none"> • Electronics and Optics • Classical Mechanics • Electrodynamics • Theoretical Physics. • Nuclear Physics. • Astrophysics. • Heat and Thermodynamics • Electricity and magnetism • Experimental Physics. • High Energy Physics. 		
	<i>Sufficient</i>	<i>inadequate</i>	
Is the library/journal support/e-connection	29	07	
	<i>Definitely</i>	<i>Maybe</i>	<i>No</i>
Would you like to have common (TEQIP) repository of course material?	34	04	00

Would you like to visit IITK to attend specialized courses?	37	02	00
Would you like MOOCS/e-resources based courses?	26	09	00
How can TEQIP help improve your learning?	<ul style="list-style-type: none"> • By arranging such more camps. • By organizing some camp like this which can increase our knowledge. • Introducing to some special topics of physics and interested lab experiments which i have never done in my b.sc syllabus. • More stress on experiment aspect on physics in the lab; short research projects in specialized areas may be. • May be the duration of course was very short, we can have more lectures-if duration of course is lengthen. • By more labs. • By giving another opportunity. • By giving class notes and videos, slides. • By holding such short courses on physics per year. We will join these types of courses definitely. The lab facilities are pretty good here. I would like to persue my research-degree at IITK if offered. • TEQIP is very much helpful to us. The e-learning, lectures of various professors was very good. • By sharing the slides, lecture notes and classroom videos on website. • Giving brief knowledge from a good faculties. • Make short duration but very effective. • By sharing lecture notes, study material and lecture videos. • More courses on basic concepts • TEQIP gave the opportunity to meet several professors of different fields. Communicating with them, helped me to improve my knowledge. Rather the labs of IITK are excellent. • Enhancing the duration of the course and arranging more camps. • Giving more classes on small exp & big learning. 		

Research

<i>Questions</i>	<i>Definitely</i>	<i>Maybe</i>	<i>No</i>
Would you like to visit an IIT for a short visit /internship/post- doctoral stint ,if offered (via TEQIP)?	36	03	00
Would you like to share/use research infrastructure at IITK, if made available?	38	01	00
Would you like to conduct collaborative research with IITK faculty?	37	01	00
Would you like lectures by experts (Indian and international) on niche research areas/topics?	34	03	00
Do you want special-topic conferences?	34	03	00

How can TEQIP help improve your research?

- By giving opportunity to work in good research centre.
- By organizing such camps and giving study materials, lodging, boarding, wi-fi facilities, interact with lecturers.
- Giving short research projects maybe on specialized and some faculty to work with on.
- I would like to do some internship in my fields of specialization in the summer vacations.
- Lab time should be increased.
- We went to UG lab optics lab, workshops. The lab facilities are very nice. The teachers are also very helpful and friendly to us. If I can get an opportunity I will surely come to IITK lab for research.
- The TEQIP team is very good. It can help us to improve in our research. If this allow us to visit IITK's labs when we need . if they can be in contact with e-mail, it will be very much helpful to us.
- By reaching us and help us connect with the teachers of IITK and sharing classroom videos.
- Connecting with universities.
- Giving or providing a practical support or guidance from expert.
- Some additional topic in which include research topic.
- Video lectures.
- May be by collaborating with the universities, and arranging more seminars on recent fields of physics.
- By conducting as many such courses as possible.
- By conducting more summer camps.
- By providing with good infrastructure like at IITs.
- By giving the opportunity to connect with IITK.
- IITK has excellent lab facility. It will help any one seeking or good research. Giving the opportunity to visit IITK labs. TEQIP helped me a lot.
- TEQIP can arrange short research courses like this course and enhance the interests for physics more.
- Giving more opportunity to do something new in the lab like making microscope.
- TEQIP can improve research by giving opportunity to visit laboratories.
- Teaching how to write proper research papers.
- By more exposure to research labs and new developing topics in science.
- TEQIP can offer facilities for research at IIT Kanpur for my area of specialization in Biophotonics.
- Contact every university centres and shift syllabus to IIT syllabus. And made more exams by that made more chances to Indian students.

