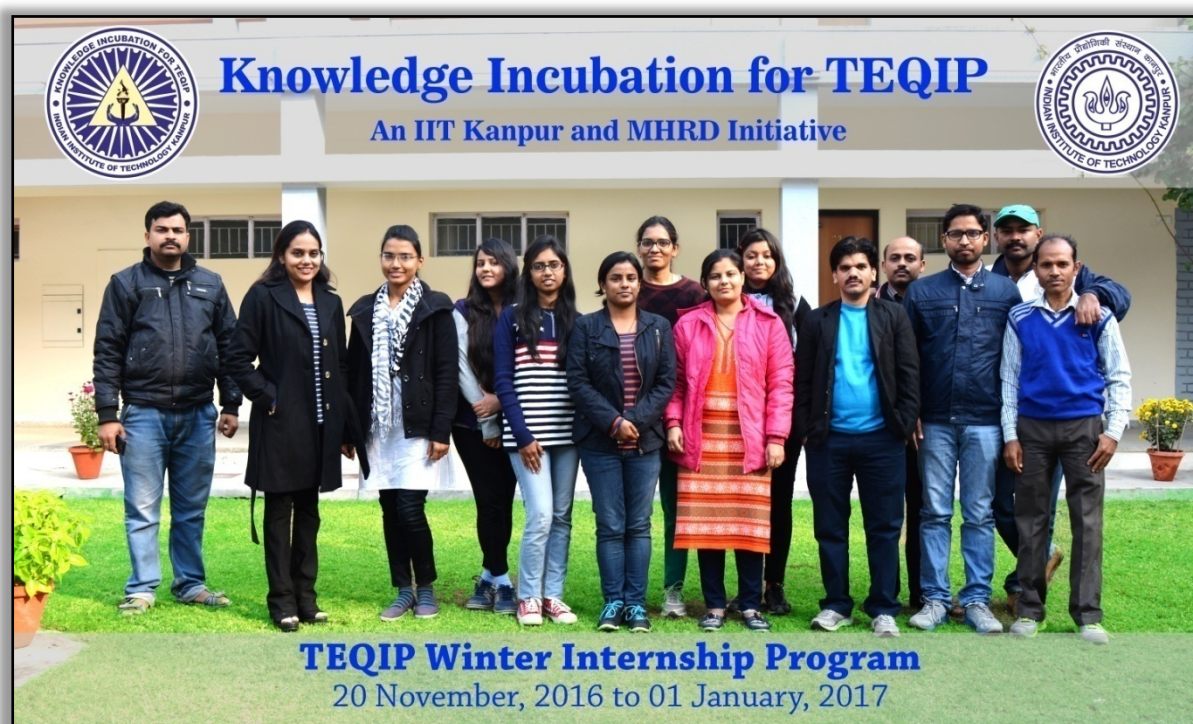




KNOWLEDGE INCUBATION FOR TEQIP, IIT KANPUR

Winter Internship Program 2016

November 20 - January 01, 2017



After the success of past 3 winter internship programs, Knowledge Incubation for TEQIP this year also announced a 6 week winter internship program for PG students of all TEQIP Institutes under IIT Kanpur quality Circle. This program aimed at encouraging research collaborations with the colleges in Quality Circle assigned to IIT Kanpur. Applicants were encouraged to apply in all departments at IIT Kanpur. We received several applications from across India for this activity. Only **11** students were selected for this activity. Students of the various TEQIP institutes got exposed to the current research and technology. During this program, students from various institutes got the chance to learn from the best professors and they increased their knowledge as well.

Internship Students

S. No	Name	University	Internship Subject	Worked Under	Duration of stay
1	Ajay Kumar Gangwar	AMU	Two complementary split ring resonators loaded on folded dipole for triple-band applications	Dr.Kumar Vaibhav Srivastava	Nov 19 Jan 05, 2017
2	Prashant Upadhyaya	AMU	Performance comparison of open source speech recognition toolkit	Prof. Rajesh M. Hegde	Nov 27 Jan 05, 2017
3	Afzal Amanullah	AMU	Disturbance Observer based speed control of BLDC motor	Prof. Ramprasad Potluri	Dec 02 Jan 14, 2017
4	Prachi Tripathi	HBTU, Kanpur	Under Water Communication using IDMA Scheme	Prof. Ajit Chaturvedi.	Nov 21-Jan 01, 2017
5	Tarushi Singh	HBTU, Kanpur	Status of Pucc and its impact on Air Quality in Kanpur	Prof. Anubha Goel	Dec 13-Jan 01, 2017
6	Reena Sharma	HBTU, Kanpur	Coating of polydopamine on TiO ₂ nanofibers	Dr. Raju Kumar Gupta	21 Nov-14 Jan,2017
7	Jigyasa Kumar	HBTU, Kanpur	Oxidant-Induced polydopamine coating on melamine foam	Dr. Raju Kumar Gupta	21 Nov-14 Jan,2017
8	Toshi Srivastava	HBTU, Kanpur	Solid Waste Landfills Management using Geosynthetic Clay Liners	Prof. Rajesh Sathiyamoorthy	Dec 19-Jan 20, 2017
9	Tahzeeb Zahra				
10	Akriti Rastogi	HBTU, Kanpur	Preconcentration of Heavy Metal Ions And its Modelling	Prof. Nishith Verma	Dec 13-Jan 01, 2017
11	Dinesh Kumar Malviya	MMMUT, Gorakhpur	Behaviour of Piles under Earthquake Loading	Dr. Nihar Ranjan Patra,	Jan 01-28, 2017

Student Feedback

Workshop

Questions	Excellent	Good	Ordinary
Clarity of communication about workshop	7	2	0
Organization of the program	6	3	
Effectiveness of discussions	7	2	
Effectiveness of learning experience	7	2	
	Appropriate	Short	long
Duration of workshop	3	6	
Additional Suggestions	<ul style="list-style-type: none"> • TA should be enhanced as local conveyance in campus is too much • TA should be enhanced and provide long duration program. • Give me chance for post doctoral or project associate. • Short project based internship program should be conducted. • Please extend this program for one semester so that effective work can be done by students. • The duration of the program is very short. • Provide stipend (if possible) 		

Learning

Questions	Yes	No
Do you get enough class projects?	5	3
Is the learning adequate?	7	1
Do you have sufficient resources for laboratory courses?	8	0
What is your area of specialization	<ul style="list-style-type: none"> • Nanoscience, Chemical Engg • Wireless communication. • Audio visual speech recognition. • Control system • Antenna, Meta Material, RF and Microwave. • Air quality assessment (civil department) 	
	Sufficient	Inadequate

Is the library/journal support/e-connection adequate?	8		0
	Definitely	Maybe	No
Would you like to have common (TEQIP) repository of course material?	7	1	0
Would you like to visit IITK to attend specialized courses?	9	0	0
Would you like MOOCS/e-resources based courses?	6	2	1
How can TEQIP help improve your learning?	<ul style="list-style-type: none"> • Arrange frequent seminars and project courses. • Please give me chance for post doctoral or research associate. • TEQIP will organize some short term course, workshop on the recent research topic. • By organizing short term course and workshops. • By organizing seminars and conferences on topics related to geotechnical earthquake engineering. 		

Research

Questions	Definitely	Maybe	No
Would you like to visit an IIT for a short visit /internship/post-doctoral stint ,if offered (via TEQIP) ?	9		
Would you like to share/use research infra-structure at IITK, if made available?	9		
Would you like to conduct collaborative research with IITK faculty?	9		
Would you like lectures by experts (Indian and international) on niche research areas/topics?	8	1	
Do you want special-topic conferences?	9		

<p>How can TEQIP help improve your research?</p>	<ul style="list-style-type: none"> • By allowing researches under TEQIP internship programme continue with their projects. • Please expand the duration of course. • By providing more training programs conducted by the TEQIP for outstation candidates. • By providing me the opportunity to work with researcher of same field. • TEQIP provide me a platform to interact with good researcher in this field. • By organizing antenna and meta material based short term course / workshop. • By organizing specific courses on advanced topics.
<p>How was this programme helpful to you?</p>	<ul style="list-style-type: none"> • It gave me an excellent lab exposure under excellent guidance of my guide. • It gave me excellent knowledge. • IIT environment is very good. I am feeling like heaven. • The excellent lab facility and good exposure to the topic especially working in the field. • This program give me an opportunity to work under IITK faculty to understand the ‘how to do research’. • It increases my knowledge & our skills. We got to know how things work actually. So this program was very helpful. • This program helps me in problem defining for my research work. • In a short time, teqip helped me gain knowledge on the interested area.

Outcome

- Through this program participants increased their knowledge and their skills.
- It provided various resources to the students to improve the quality of their research.
- It provided excellent lab exposure to the participants.
- Participants got to know how to do research.
- Because of this program people met each other from various TEQIP institute under IIT Kanpur.