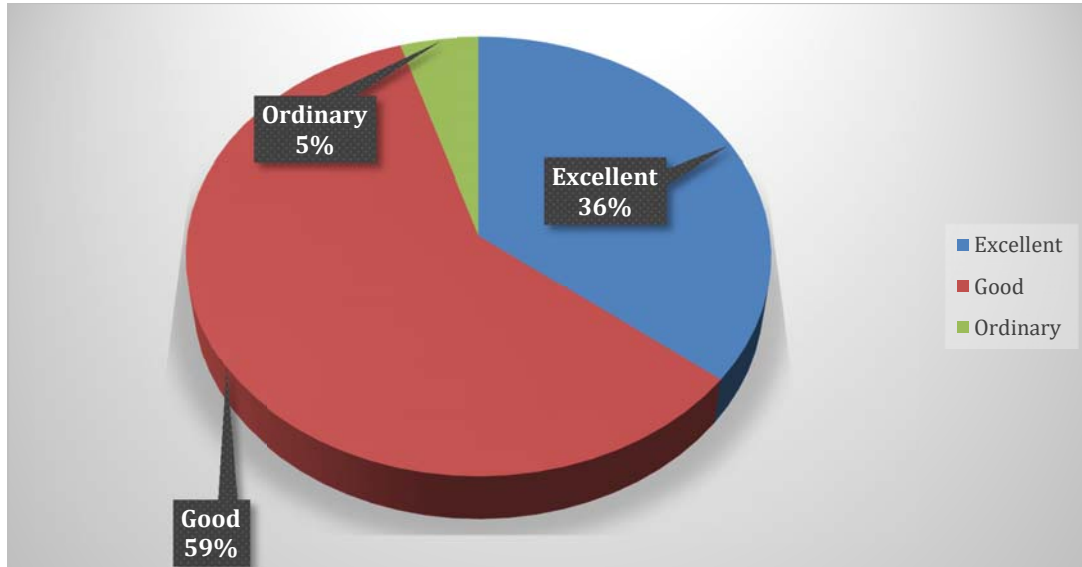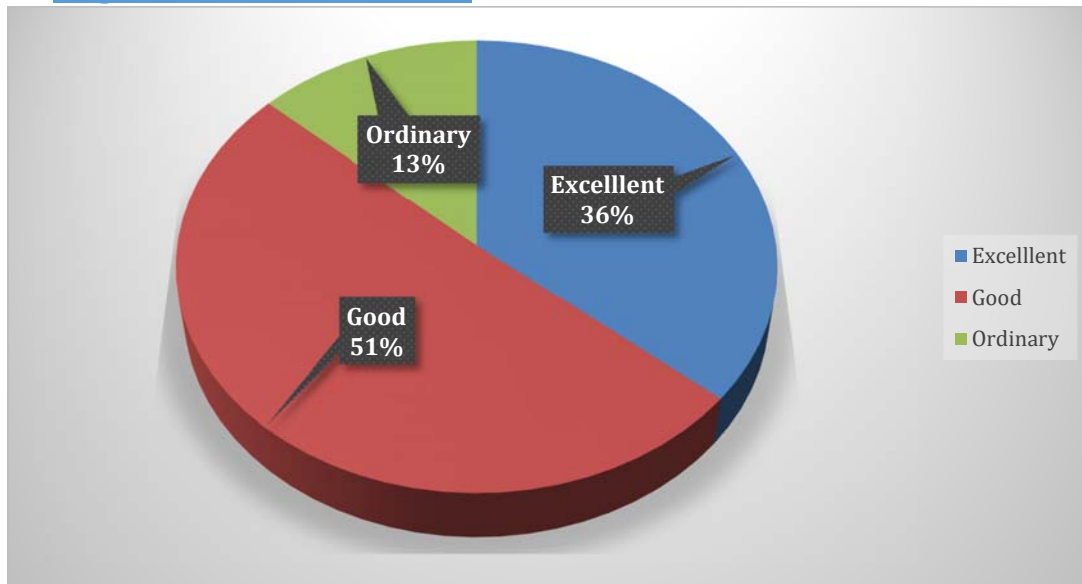**Summer Training Program on Active Learning: GROUP D**
2-6 July 2018

Workshop
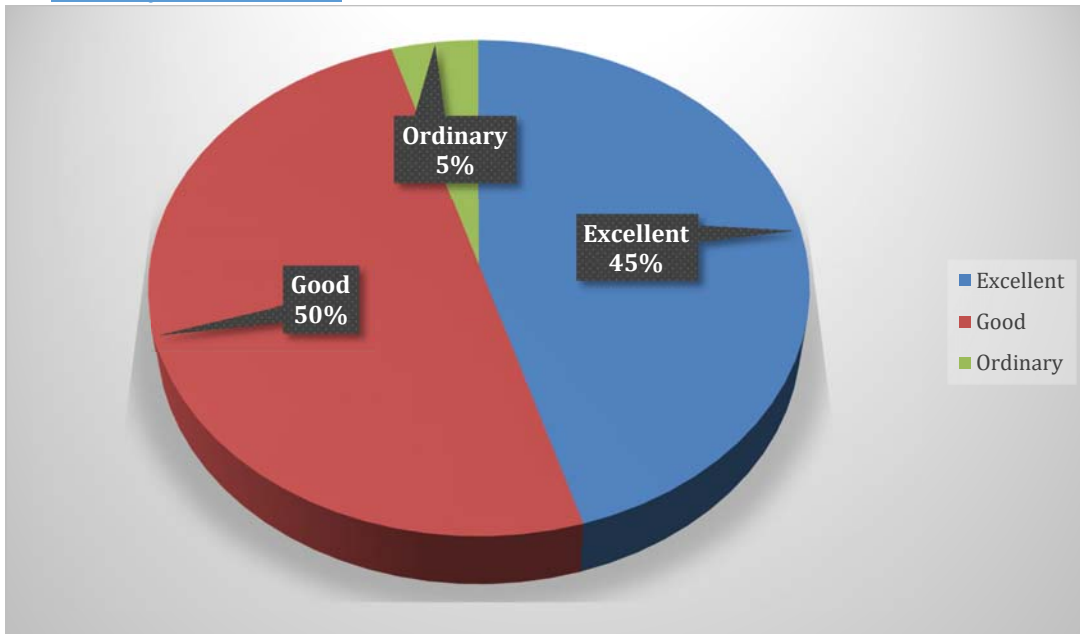
1. Clarity of communication about workshop

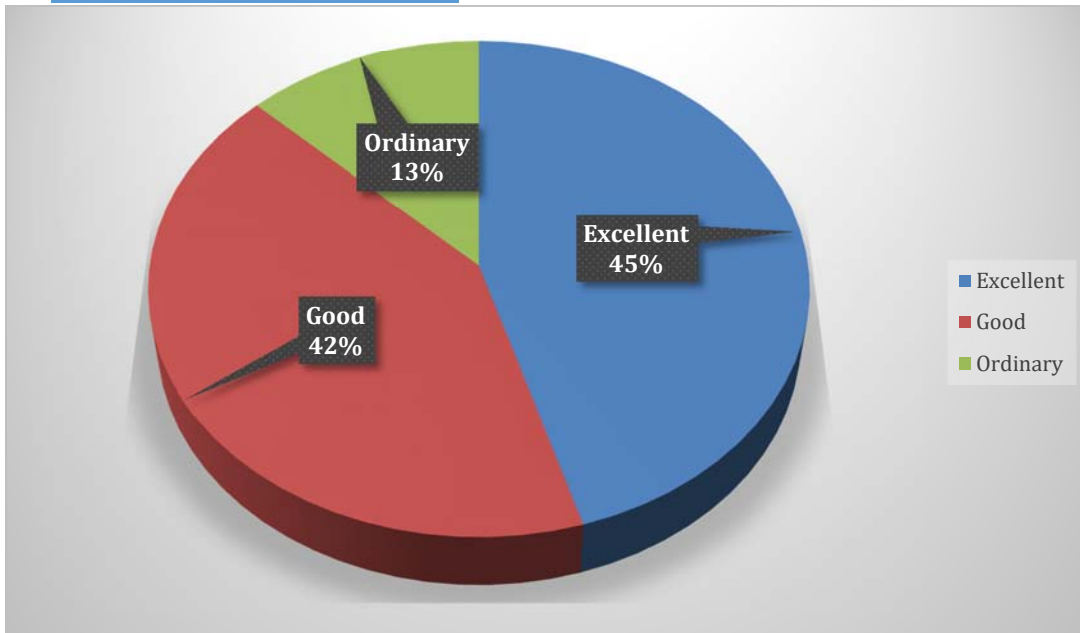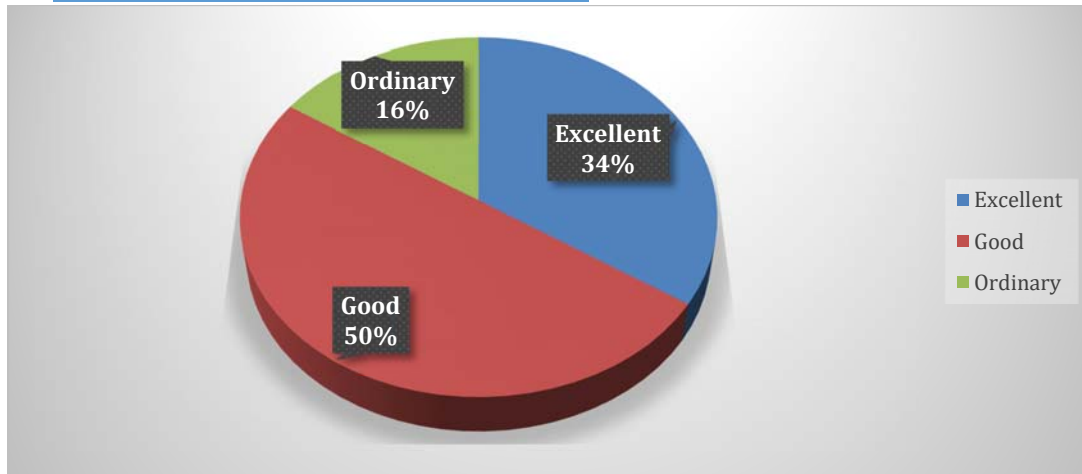### 2. Organization of the sessions

3. Quality of Lectures

4. Effectiveness of discussions

5. Effectiveness of learning experience

Pie chart: Effectiveness of learning experience
- Excellent 34%
- Good 50%
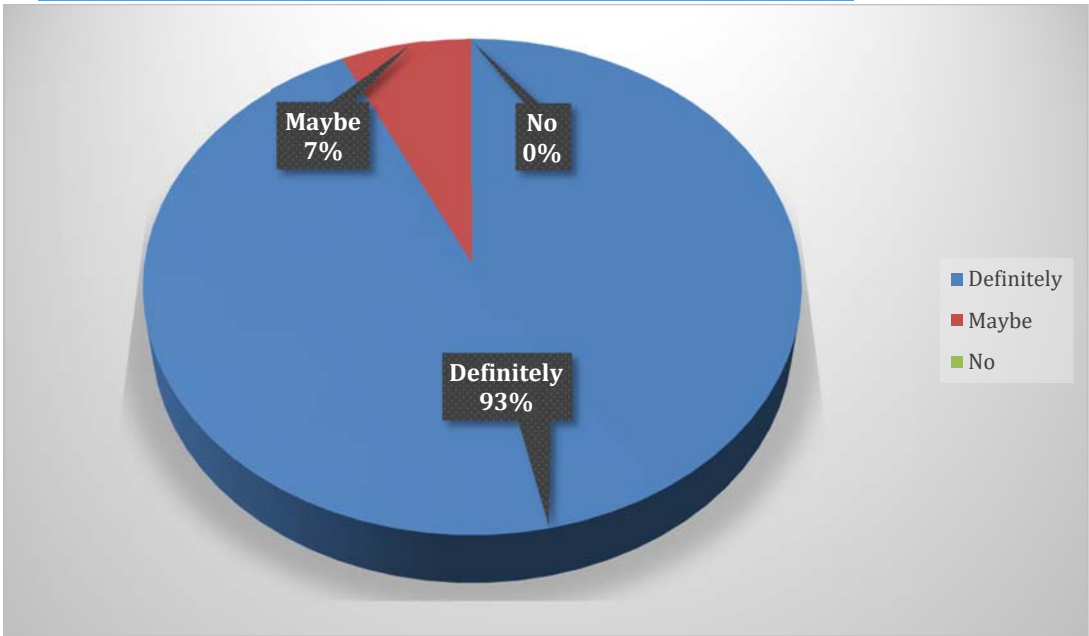- Ordinary 16%

6. Workshop duration
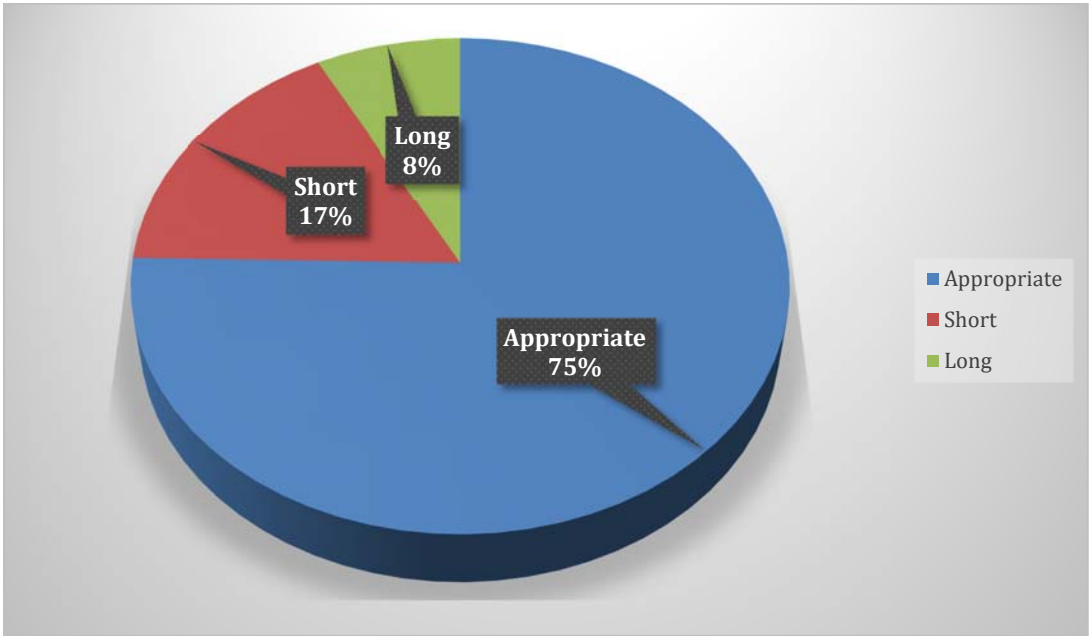
7. **Would you like to have more such sessions?**
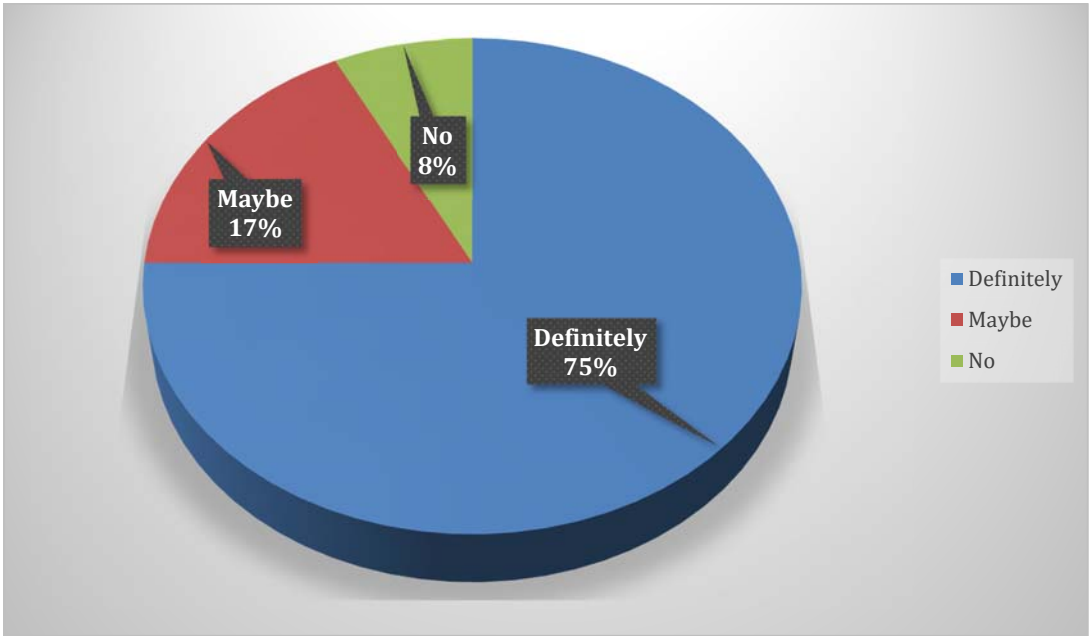
8. Would you like e-lectures by experts on special topics?

9. Suggest Specific topic that you would like additional expert lectures on

- ❖ Organic chemistry related to dyes & Drugs.
- ❖ Smart classroom teaching.
- ❖ Sustainable development.
- ❖ Robotics and artificial intelligence
- ❖ Some inter disciplinary topics like wavelets and their application in electrical & communication tech.
- ❖ Computer Algorithms software engineering.
- ❖ Lab view experiments and fundamental
- ❖ Lab view, experiment based presentation
- ❖ Non-destructive testing
- ❖ Basic electronics. Basic Physics , electro chemical energy storage
- ❖ On renewable energy resources
- ❖ Mathematical modeling and simulation for engineering problems & use of s/W like COMSOL, FLUENT, FLUIDITY
- ❖ Computational fluid dynamic
- ❖ Virtual Instrumentation, virtual Labs and topics
- ❖ Embedded system, optics designing, VLSI Designing
- ❖ Research grants
- ❖ Should be relevant to respective branch.
- ❖ Power system optinogation and soft computing Technique
- ❖ Affective computing
- ❖ Fault Analysis
- ❖ Engineering Mathematics
- ❖ Structural Dynamics & artificial Intelligence
- ❖ Students transformation toward entrepreneurship
- ❖ Core Electronics
- ❖ Electrical department specific
- ❖ How can teach the students.
- ❖ Discussion on UG research
- ❖ Latest techniques used in concrete structure
- ❖ I would like expert lectures on artificial Intelligence, Database, OS Management Information system compute, network.
- ❖ Refrigeration & Air Conditioning
- ❖ Practical Session on English Language lab

10. Additional Suggestions

- ❖ A research workshop organized by TEQIP in the field of chemistry.
- ❖ Please suggest me new research topic related to environment sciences
- ❖ Please provide us your lab manuals & course work.
- ❖ 2 or 3 days workshop was sufficient should be conducted department wise.
- ❖ Algorithm, software engg.
- ❖ Workshops must be dept. specific.
- ❖ There should be separate workshop for department specific learning
- ❖ Provide proper accommodation
- ❖ Departmental training on effective utilization of TEQIP
- ❖ A short term course for application of mathematics in engg.

- ❖ Management of time
- ❖ Faculties from IIT should visit to the institutes and internet with the students.
- ❖ Duration of workshop should be at least 15 days.
- ❖ Poster session should be there.
- ❖ Should be more lecture
- ❖ Aviod formalities
- ❖ Some special lectures on technical Communication skills and some lectures on IITSectors of current trends.
- ❖ Each Institute participate 100% in such type of programme organized at different IIT institutes
- ❖ Facilitate National & International conference / Workshops

Teaching

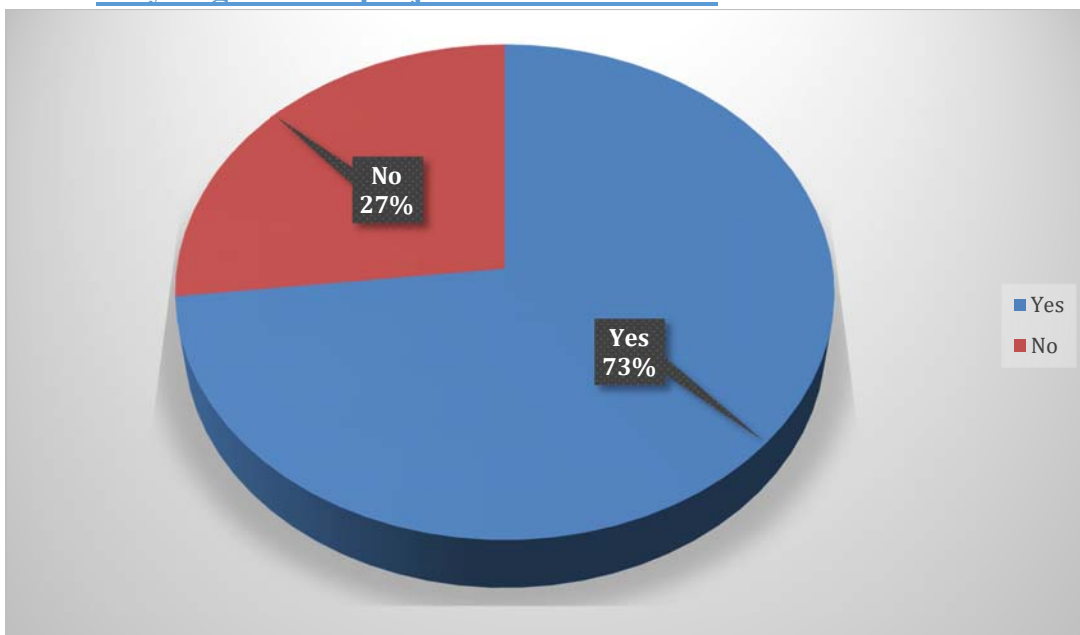### 1. Do you have additional support for teaching (tutors, graders, teaching, assistants, etc)?
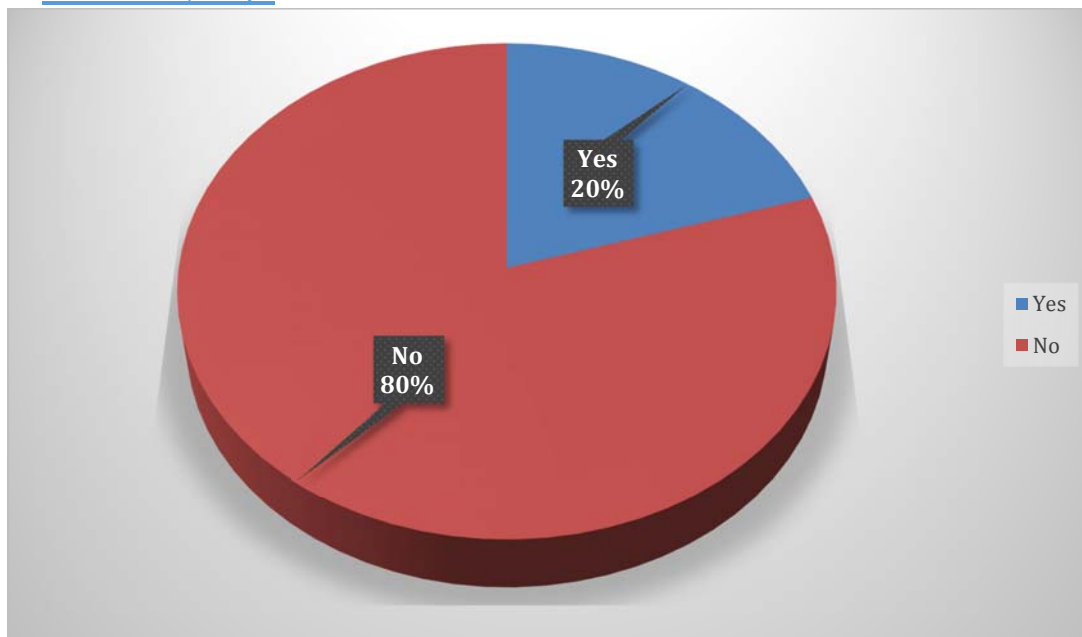
2. Do you give class projects for UG classes?
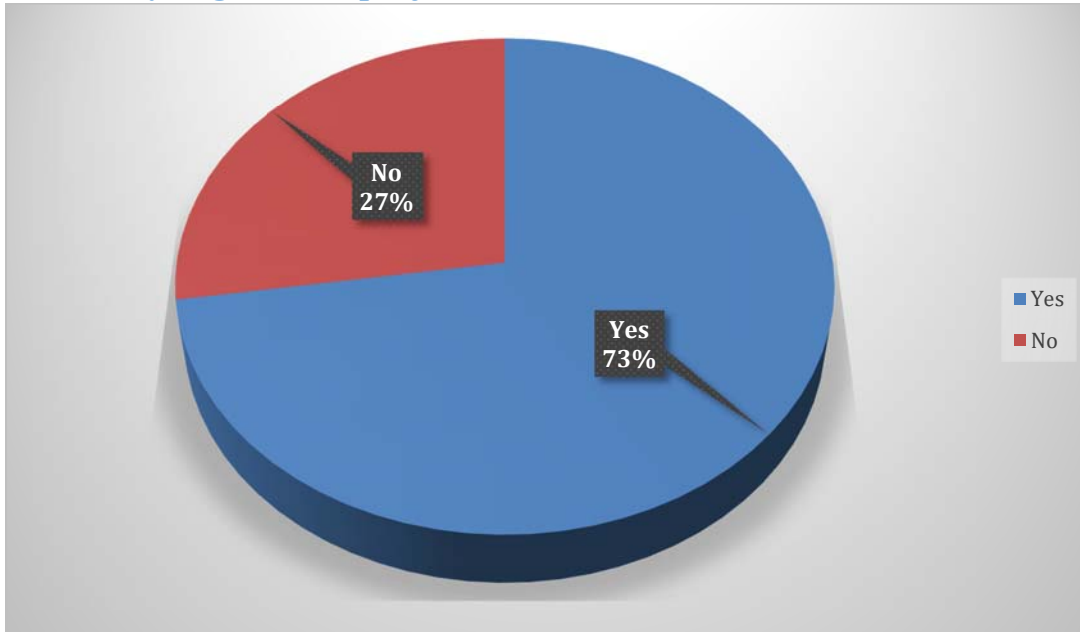
3. Do you give class projects for PG classes?

4. Do you have sufficient resources for laboratory courses?

Yes
32%

No
68%

- Yes
- No
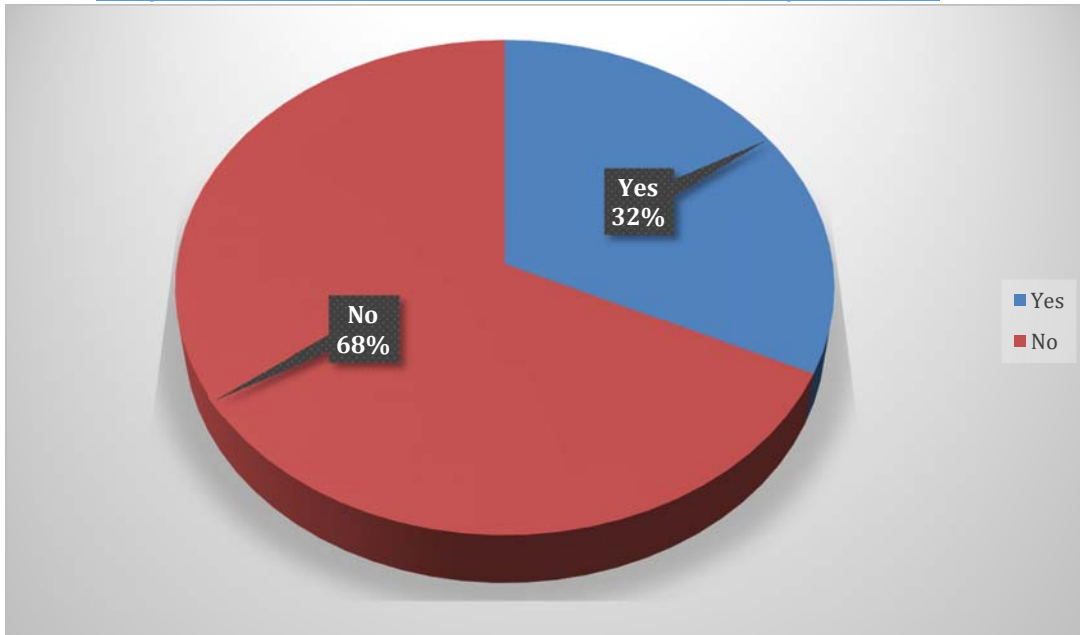
5. Is the library/journal/e-connection support adequate?

Sufficient
39%

Inadequate
61%

- Sufficient
- Inadequate
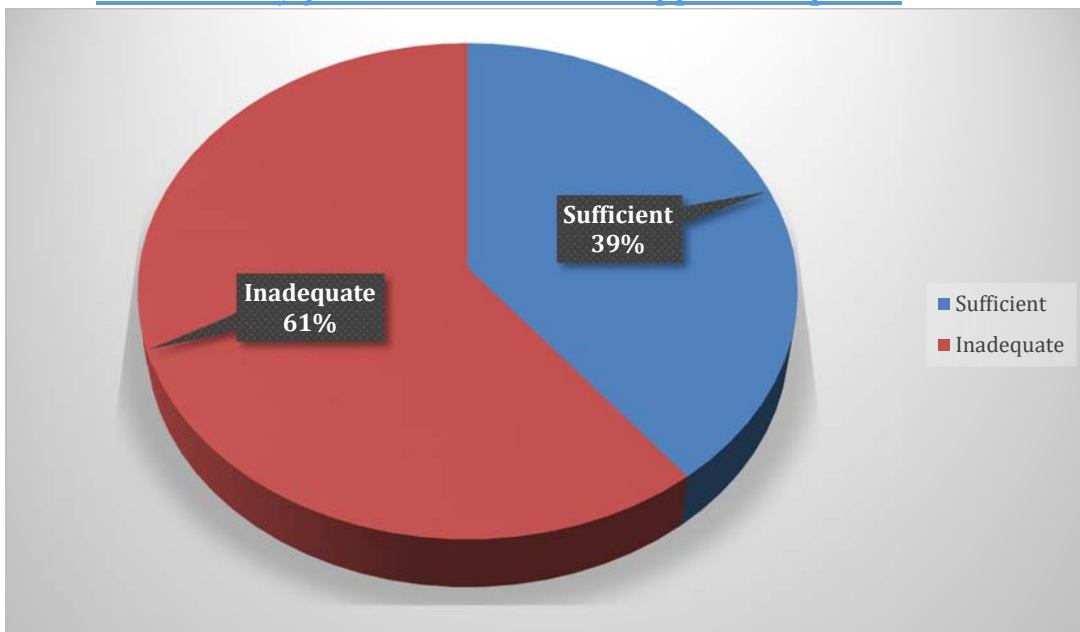
6. Would you like to have common (TEQIP) repository of course material?
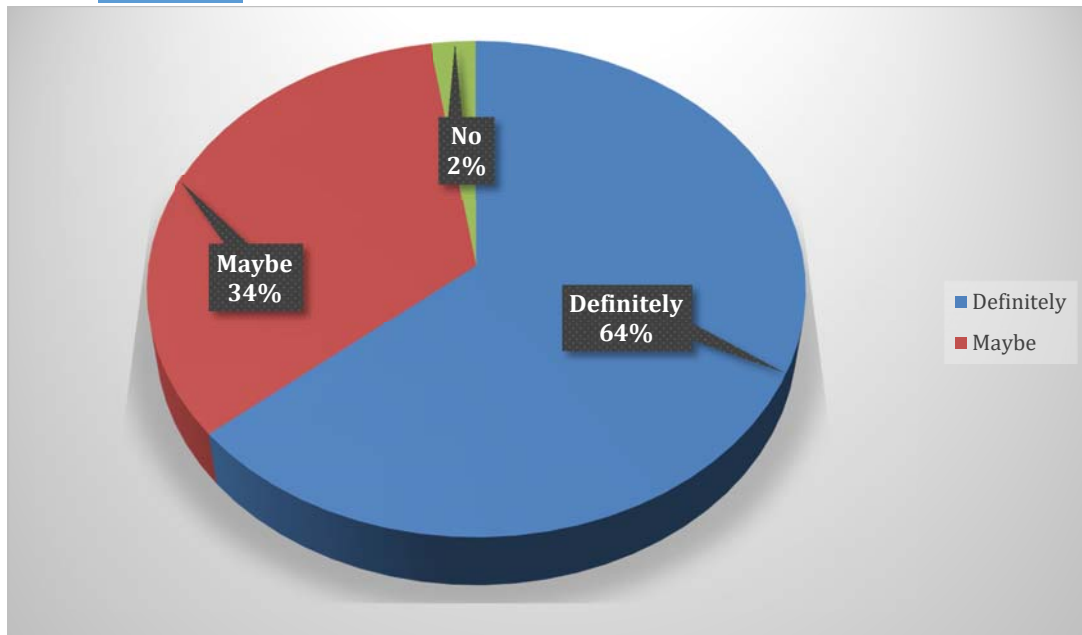
7. Would you like to visit IITK to participate in and develop course material (existing or new)?
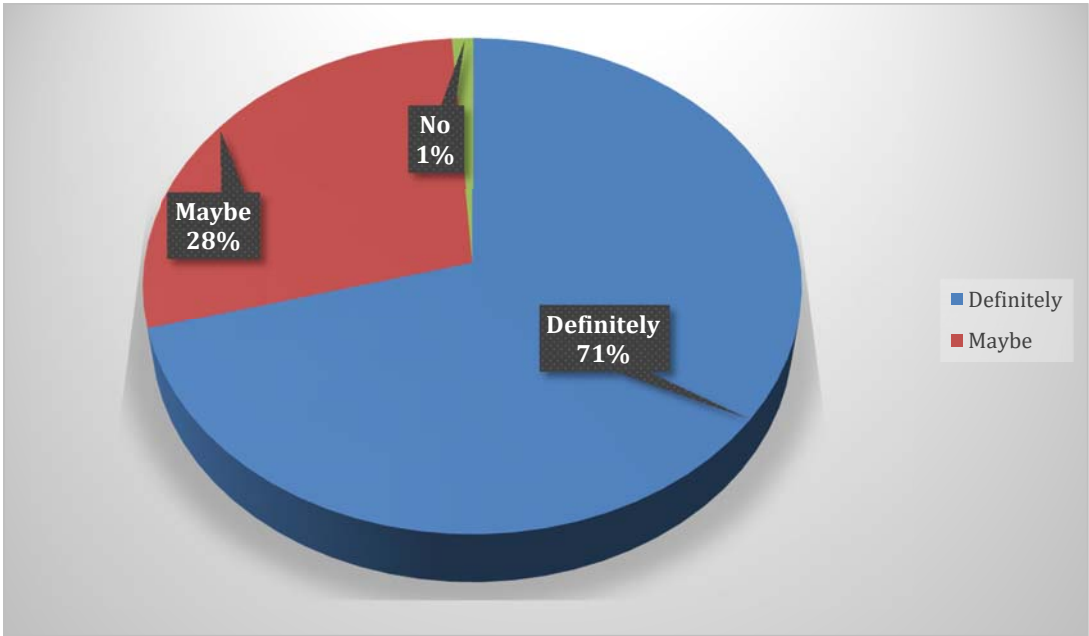
8. **Would you like to participate in creation of the repository material (course file/lab Manuals/question bank etc.)?**
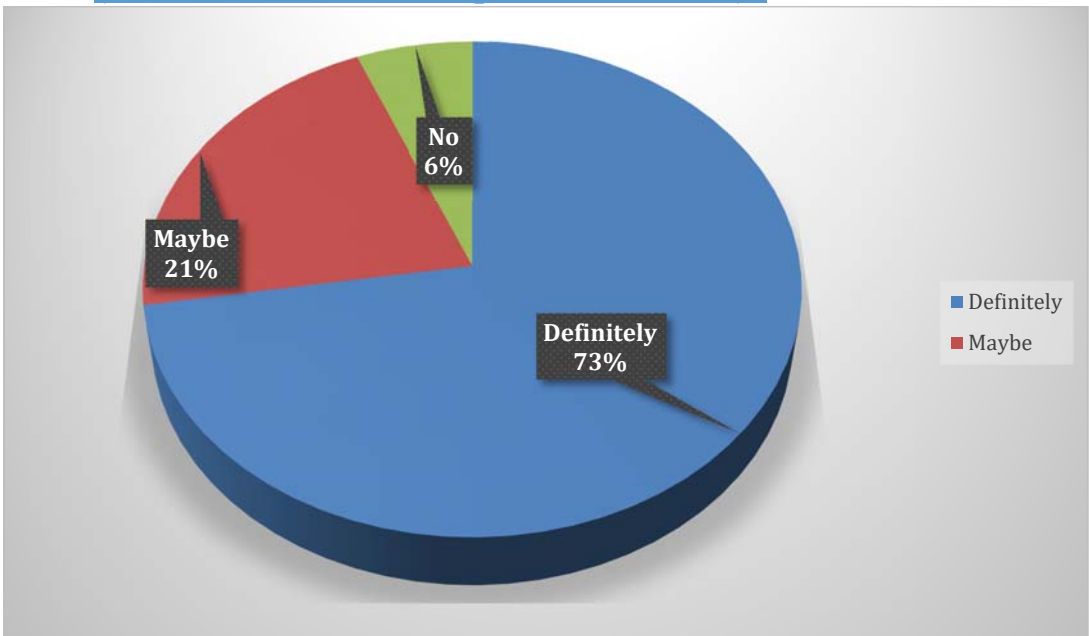
9. How can IITK effectively help you prepare for teaching?
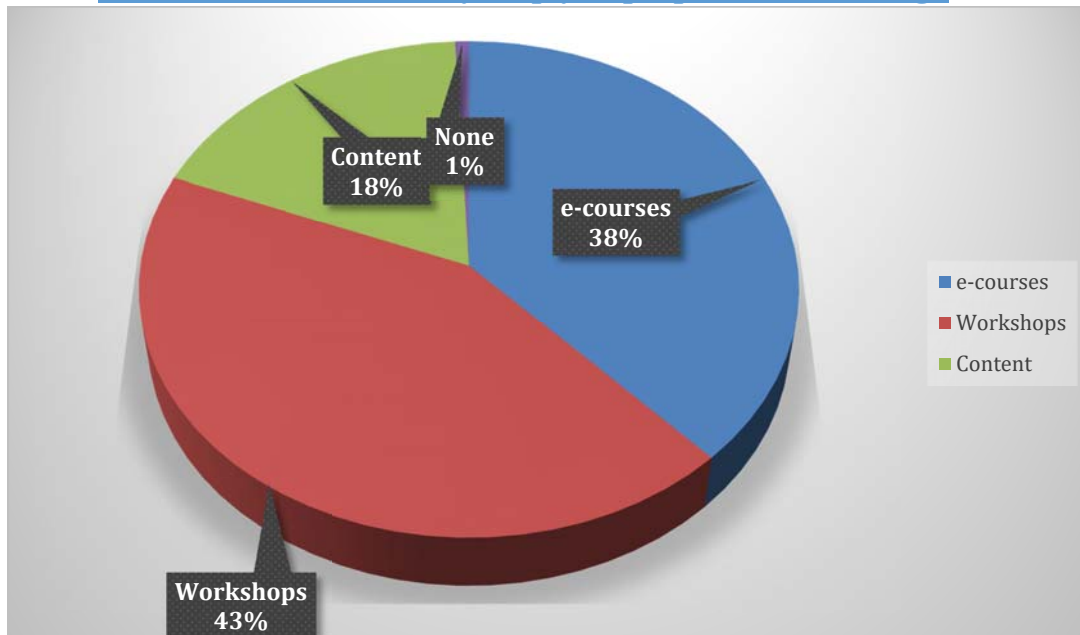
10. Which Subject do you teach?

- ❖ Chemistry
- ❖ Theory of machine
- ❖ Computer network, software engg. Data structure, mobile computing
- ❖ Environmental Sciences
- ❖ C, programming, A.I web tech and graph theory
- ❖ Machine Design
- ❖ Mathematics
- ❖ Algorithm, software engg.
- ❖ Power electronics, electric drive, electrical machaines.
- ❖ Electromagnetic field theory electronics
- ❖ Non destructive testing
- ❖ Fluid Mechanics and Mach. Energy applied thermodynamic
- ❖ Physics
- ❖ Artificial intelligence
- ❖ MP-I,II,CM,OR,MS
- ❖ Power system ,Electrical Drives network analysis

- ❖ Operating system ,Data mining
- ❖ Power system
- ❖ Mathematics Numerical math Liner Algorithm
- ❖ Structural Engineering
- ❖ Civil Engineering (Structure analysis)
- ❖ Management
- ❖ EMFT, Digital Electronics, Communication
- ❖ Electrical power system High voltage Engineering
- ❖ Physics
- ❖ Chemistry , Environment & Ecology
- ❖ Operating system
- ❖ Software
- ❖ Project management artificial intelligence.
- ❖ Digital Logic design
- ❖ ERP
- ❖ EME
- ❖ Mobile Computing
- ❖ Web Technology

11. What is average student to teacher ratio in your institute?

- ❖ 27:1
- ❖ 1:20
- ❖ 1:18
- ❖ 30:1
- ❖ 20:1
- ❖ 28:1
- ❖ 1:28
- ❖ 1:21
- ❖ 20:1
- ❖ 1:20
- ❖ 1:20
- ❖ 1:20
- ❖ 1:30
- ❖ 1:37
- ❖ 1:32
- ❖ 1:37
- ❖ 30
- ❖ 1:32
- ❖ 1:20
- ❖ 30:1
- ❖ 1:32

12. How TEQIP can improve your teaching?

- ❖ Arrange special lecture in the field of chemistry
- ❖ Content
- ❖ More faculties are allowed to have higher degree through TEQIP
- ❖ May provide interaction facilities with IISCs IITs, or some good foreign institute.

- ❖ Smart classes video conferencing
- ❖ Conduct research oriented QIP
- ❖ Regular workshop by express from IIT & industry
- ❖ By assigning local problems to institute
- ❖ Through FDPs , STPs etc.
- ❖ FDPs, recourses
- ❖ Support in lab establish
- ❖ By providing expert lecture
- ❖ Personal funding for innovative teaching to the faculty
- ❖ Provide ground level support.
- ❖ By organizing regular workshop on subjects.
- ❖ With workshop
- ❖ Workshop & conference
- ❖ Resource Availability
- ❖ By providing Journals etc and basic resources regularly that

13. What problems you face in teaching?

- ❖ Providing mentorship in different societies
- ❖ Providing e-learning software
- ❖ Conducting Workshops
- ❖ Organize the workshops
- ❖ Definitely
- ❖ With the experimental details
- ❖ By organizing workshops.
- ❖ By organizing seminars regularly
- ❖ Sharing lectures notes & previous project topics.
- ❖ Providing net connection
- ❖ Provide access to e-Journals.
- ❖ Through help in upgrading library, e-Library
- ❖ E-journal subscription ,lab support and Internet facility
- ❖ By organizing workshops on specific specialization.
- ❖ Providing Regular training.
- ❖ By providing platform for higher studies.
- ❖ By training time to time.
- ❖ By organizing faculty development program.
- ❖ Help in per suing higer studies.
- ❖ By making part time Phd More flexible for regular faculties.
- ❖ To provide learning and teaching research.
- ❖ By training in different IIT's.
- ❖ By training in different IIT's.
- ❖ Financial help.
- ❖ E-lecture of IITK classes.
- ❖ Work load in very high in our Institution provide more faculty in our Institution.
- ❖ Provide more faculty in CSE Department we are base in person.
- ❖ By working part time Phd. More flexible for regular faculties.
- ❖ By arranging more sessions.

- ❖ Provide more faculty in department CSE, Workload is very high.
- ❖ Use more mathematical aspect.
- ❖ Learn a lot of lecture by senior faculty of IITK in different field of research.
- ❖ Lectures provide by faculty very motivated.

Research

1. **Would you like to visit an IIT for a short visit/internship/post-doctoral stint, if offered (via TEQIP)?**
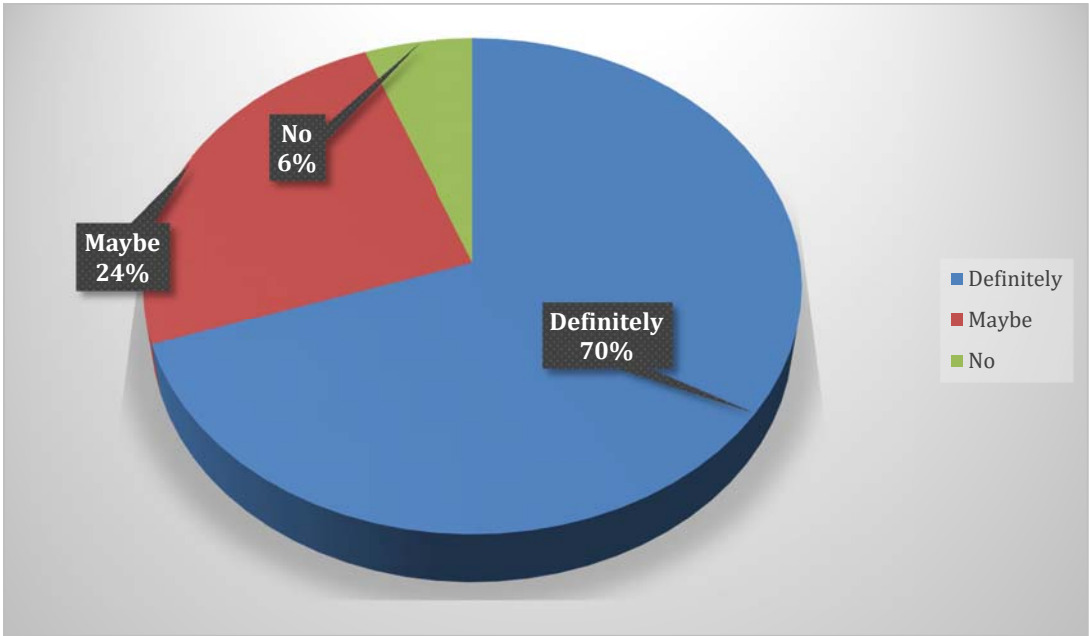
2. **Would you like to share/use research infrastructure at IITK, if made available?**
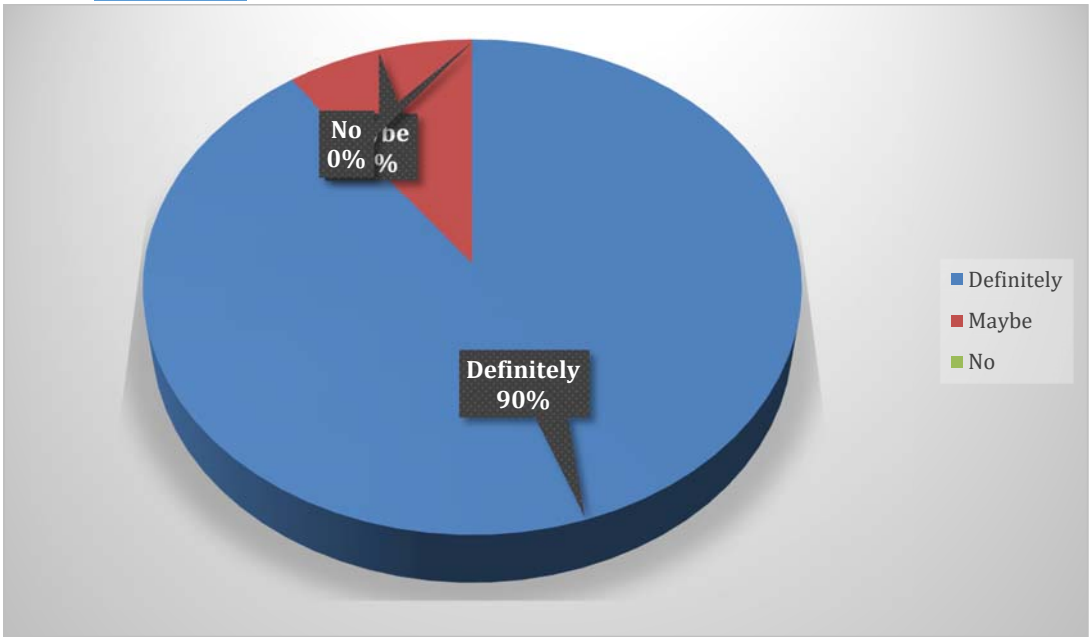
3. **Would you like to conduct collaborative research with IITK faculty?**

4. Would you like lectures by experts (Indian and International) on niche research areas/ topics?

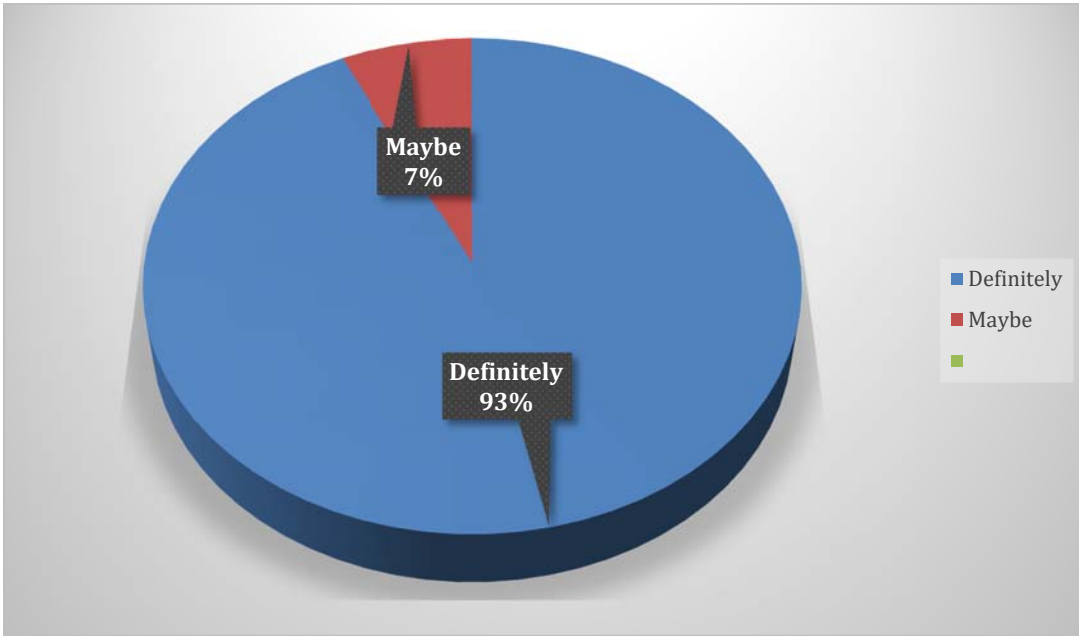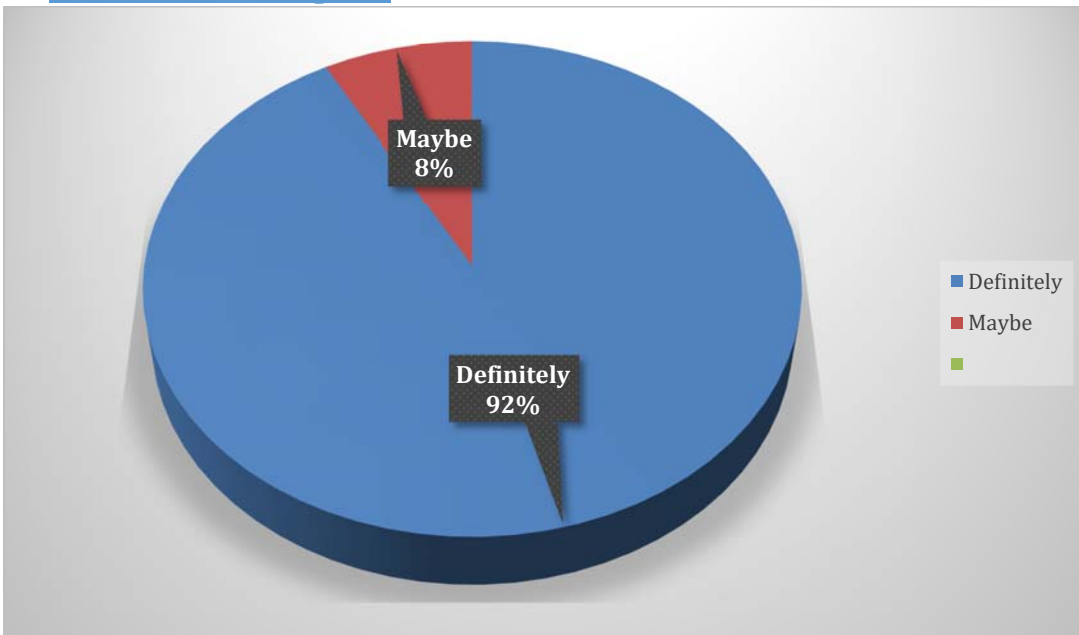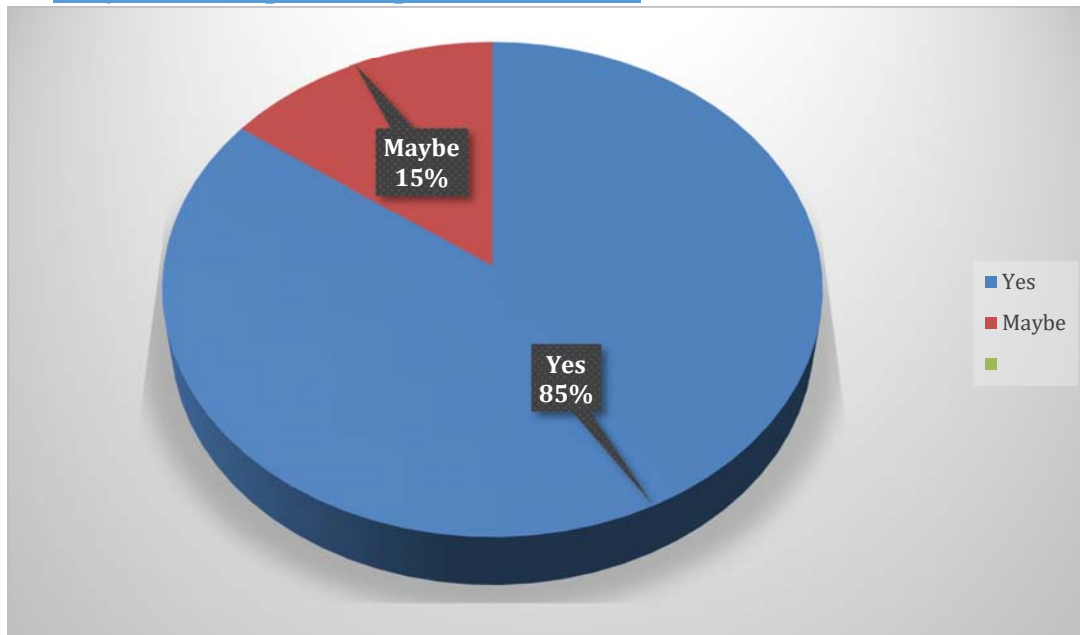## 5. Do you want special-topic conferences?

6. How can TEQIP help improve your research?

- ❖ By offering the proposal to do make with IIT Kanpur in the field of Environment science, Dyes & polymers.
- ❖ Conduction of collaborative research with premier institute so that what is lacking must be compressed by he research guilty premier institute.
- ❖ By providing initial setup for research
- ❖ By providing us approximate facilities for research work.
- ❖ As it allows to attend FDPs from prestigious institutions of the country
- ❖ May start a one or two month faculty reallocation program
- ❖ To provide financial support for conference journals.
- ❖ Through conference journal publication (financial support)
- ❖ Providing a research lab in different IITs & IISC.
- ❖ TEQIP, we established new lab for research in our institute
- ❖ By wandering way of thinking on different topics
- ❖ By offering & booking collaborations with eminent professors
- ❖ More collaborative research projects should be coined out in which faculty member from technical institution and their students can work jointly with faculty and students of IITs.
- ❖ By grants and funds and equipments.
- ❖ Provide opportunity for collaborative re research with institutes of national importance.
- ❖ By providing collaboration research with IIT/NITs.
- ❖ E courses workshops etc.
- ❖ By providing basic facilities.

- ❖ By providing suitable infrastructure
- ❖ Provide ground level support.
- ❖ By providing access new software.
- ❖ By providing more infrastructure .additional software in labs etc.
- ❖ Collaboration different IIT
- ❖ By providing funding facilities for workshop conference etc.
- ❖ Relevant or productive workshops.
- ❖ Conduction of collaboration research with premiere Institute so that what is lacking must be compensated by the research quality of premiere Institute.

7. Suggestions for national & international workshop at your institute.

- ❖ Arrange a National /International conference in applied science.
- ❖ Workshops must be organized more frequently.
- ❖ Conduct at least one or two national and international workshop in every year.
- ❖ A national workshop for awareness of engg. Students on current problem of India with project creation session may be conducted, but before that accommodation and tranfortation at the institute must be given due consideration.
- ❖ On FDP is planed in the electrical engg. Of the college next semester. (odd sem. 2018)
- ❖ International workshop on " Mathematical Modeling and Somukatism analysis for engg. Problems
- ❖ Specially arrange the leave in my parent institution so I will to join post doc. For this purpose a teacher (faculty) provide in basic is my position
- ❖ National conference on Nanotechnology
- ❖ interdisciplinary research
- ❖ Power system optimization
- ❖ Distributed generation
- ❖ Smart grid
- ❖ Soft computing techniques
- ❖ Robotics
- ❖ Affective computing
- ❖ Text mining
- ❖ Opmization technique
- ❖ Micro grid
- ❖ Can be conducted on the various topics
- ❖ Challenges in business act up
- ❖ More inclination toward social issue problem solving.
- ❖ Duration should be appropriate.
- ❖ Guest should be off reputated institutes.
- ❖ Such workshop should be organized at institutes.
- ❖ No Environment yet

8. Any issues you face with TEQIP program at your institute?

- ❖ Contribution of Faculty in TEQIP programs should be homered by government.
- ❖ TEQIP fund is offer used to procured good required for the college. It should be extensively used for faculty development in academic area

- Some irrelevant activities are scheduled to utilize the money. Before any activity a proper discussion possible consequences and resources required should be held, which is missing in our institute.
- Become remote location no one to attend conference at college. College monthly focus on procurement not in research.
- Eminent teachers hesitate to come in the institute due to remote location.
- Lack od man power to smooth conduction of the program.
- Policies related to TEQIP are not working properly.
- It adds to much load on faculty
- Lack of resource availability and unequal distribution of the same unplanned expenditure of TEQIP lunch
- Contribution of faculty member in TEQIP III programs should be endorsed/ honored by some amount of many.
- Extra load on teaching facility I would like to request to provide sufficient manpower to run the TEQIP program. Contribution of the faculty member of the institute in TEQIP should be addition to the salary to develop their intent in this area
- Training for TEQIP activates.
- Not much productive work is done through funding only. Reflective work is shown.
- More active support required.
- Lack of information regarding it.