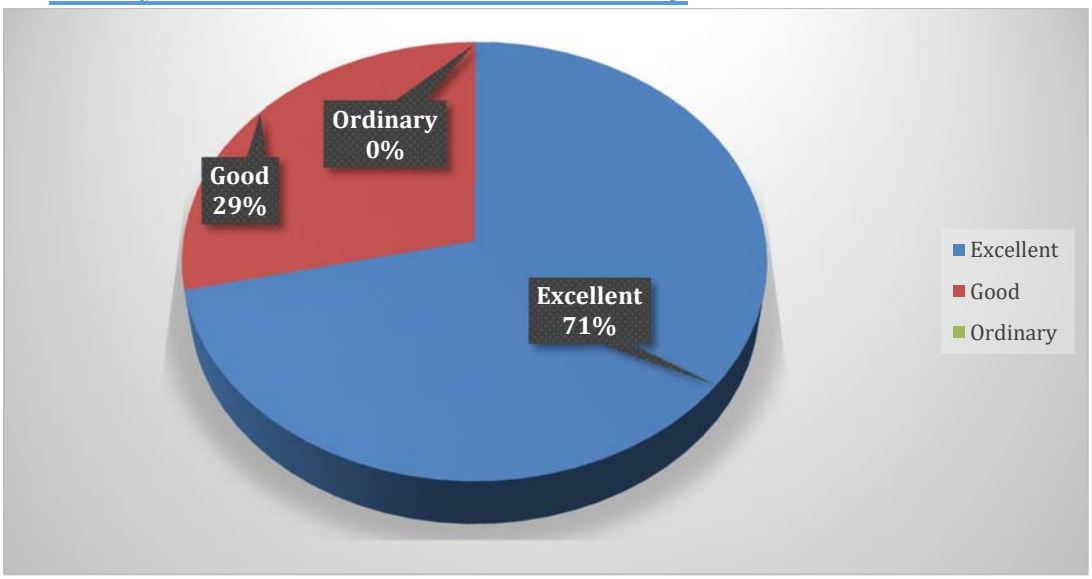
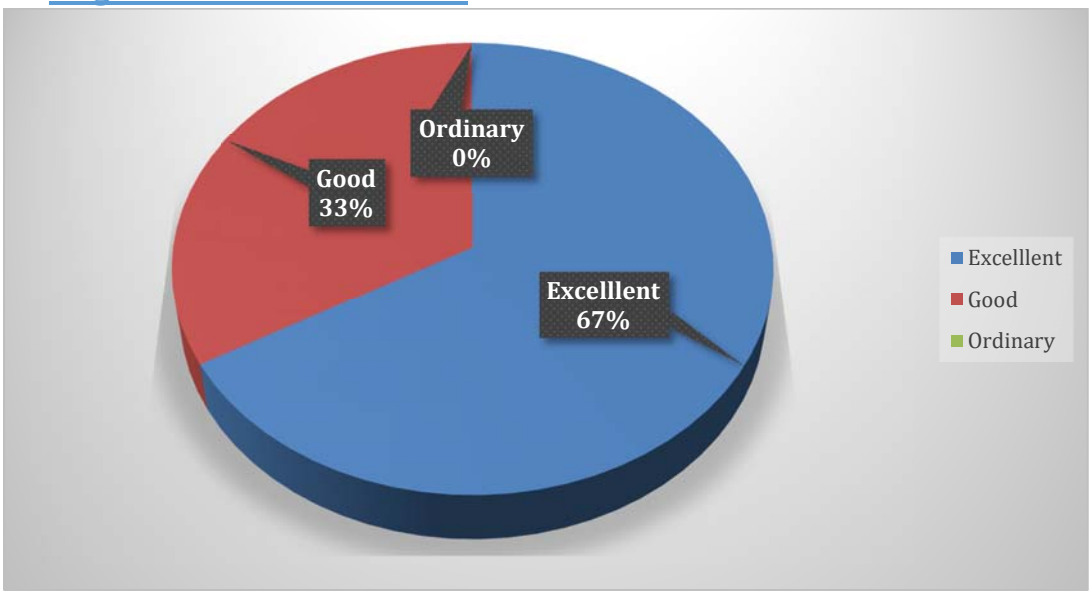
Summer Training Program on Active Learning: GROUP A
21-25 May 2018

Workshop

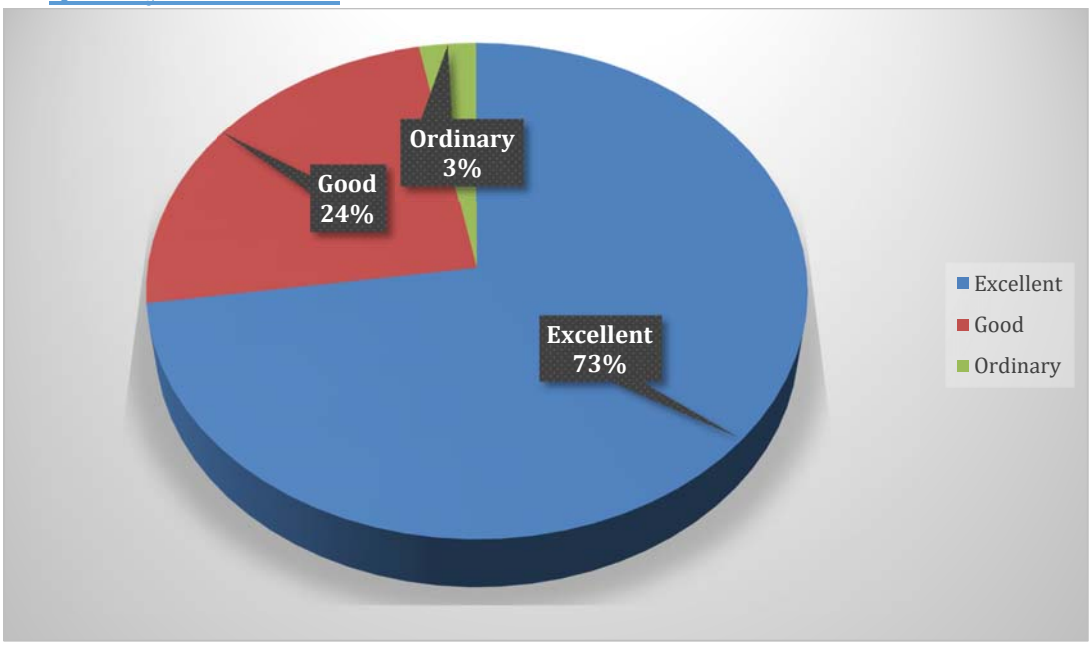
1. Clarity of communication about workshop



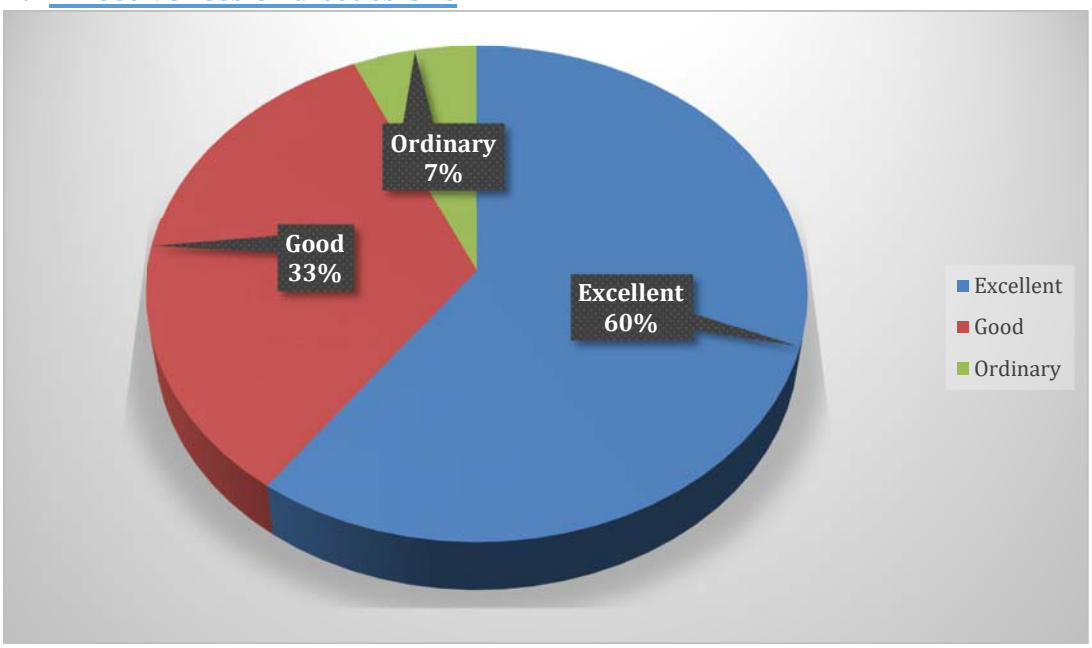
2. Organization of the sessions



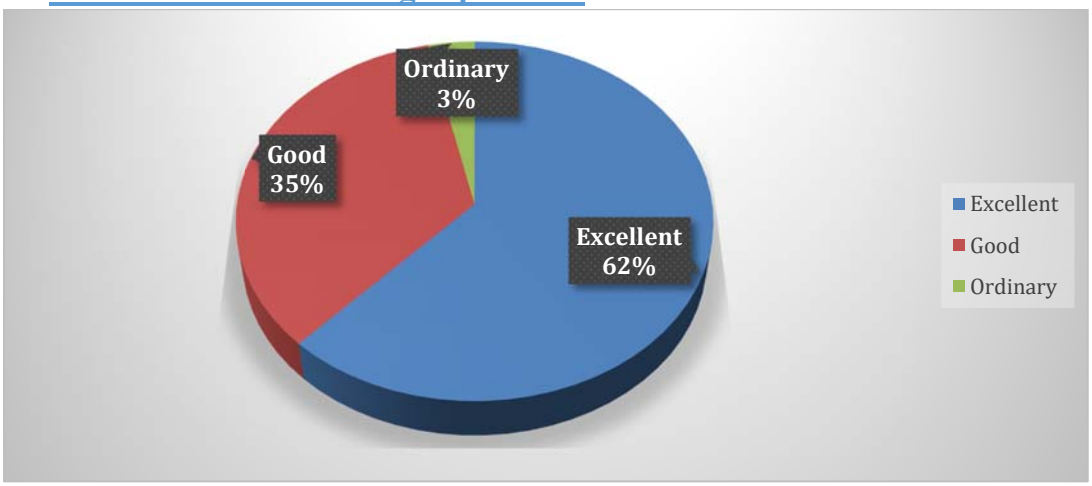
3. Quality of Lectures



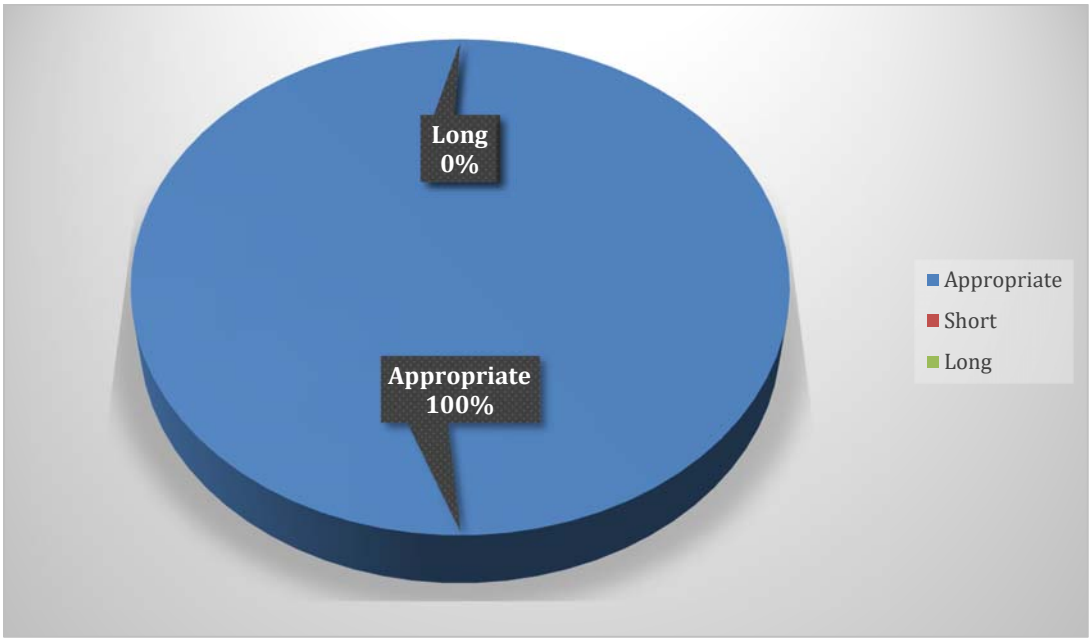
4. Effectiveness of discussions



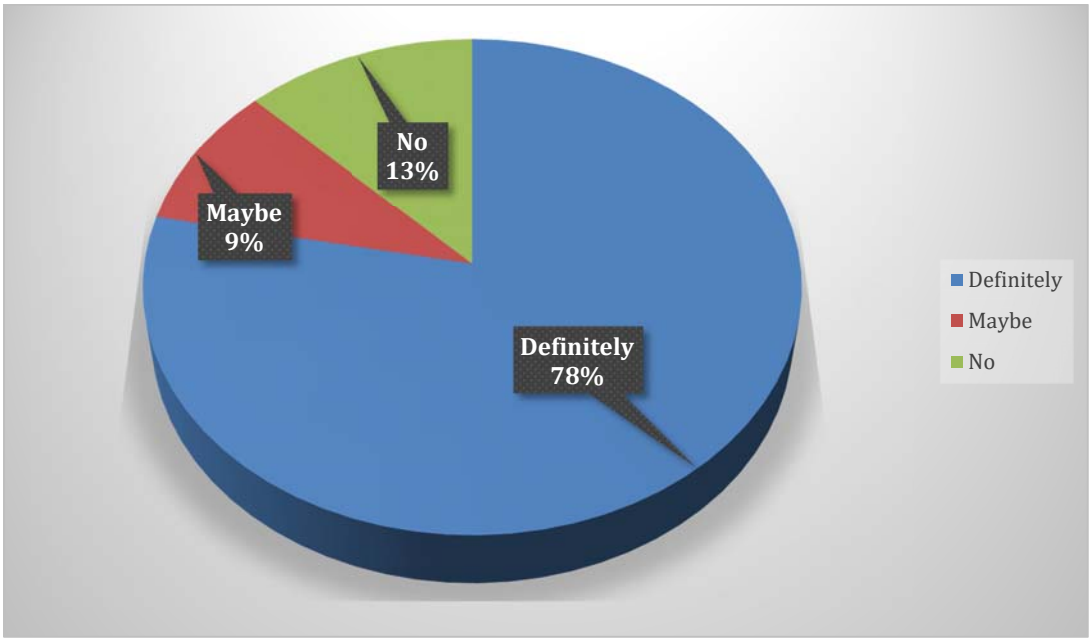
5. Effectiveness of learning experience



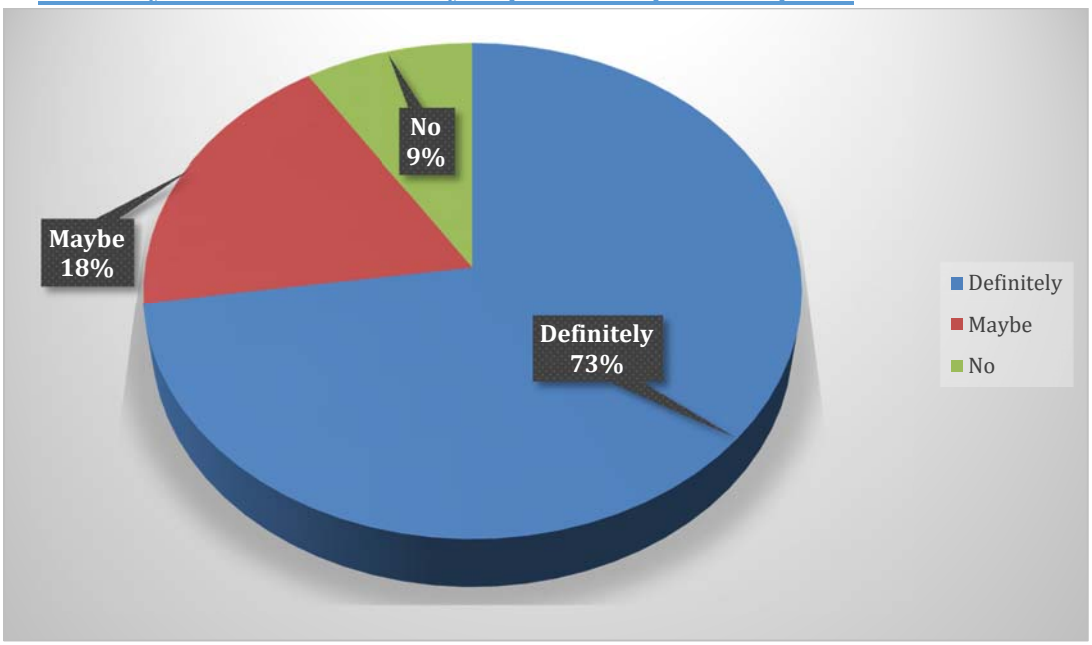
6. Workshop duration



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

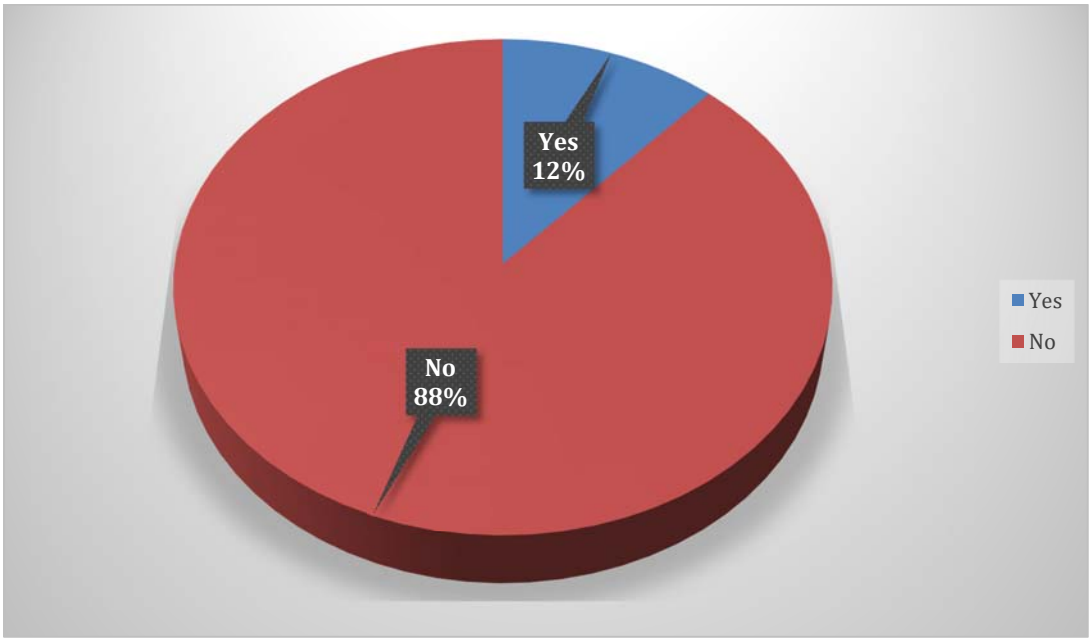
- Lecture on OFDM, multicarrier CDMA, current mobile technologies, MATLAB.
- Electrical care subject related, MATLAB, LABIEW.
- Data analysis
- Computer architecture / hardware
- Computing, Algorithm.
- Computer architecture, read time system.
- Big data & cloud computing
- Large processing & deep learning.
- Departmental projects.
- Computer network
- Information security, operating system.
- Remote sensing & GIS.
- How to improve the course to words industry oriented.
- Photonics
- Machine drawing, FEM
- Lecture on preparing the content for classes
- Non convention machining.
- Soft skills(for final year students)
- Placement training program

10. Additional Suggestions

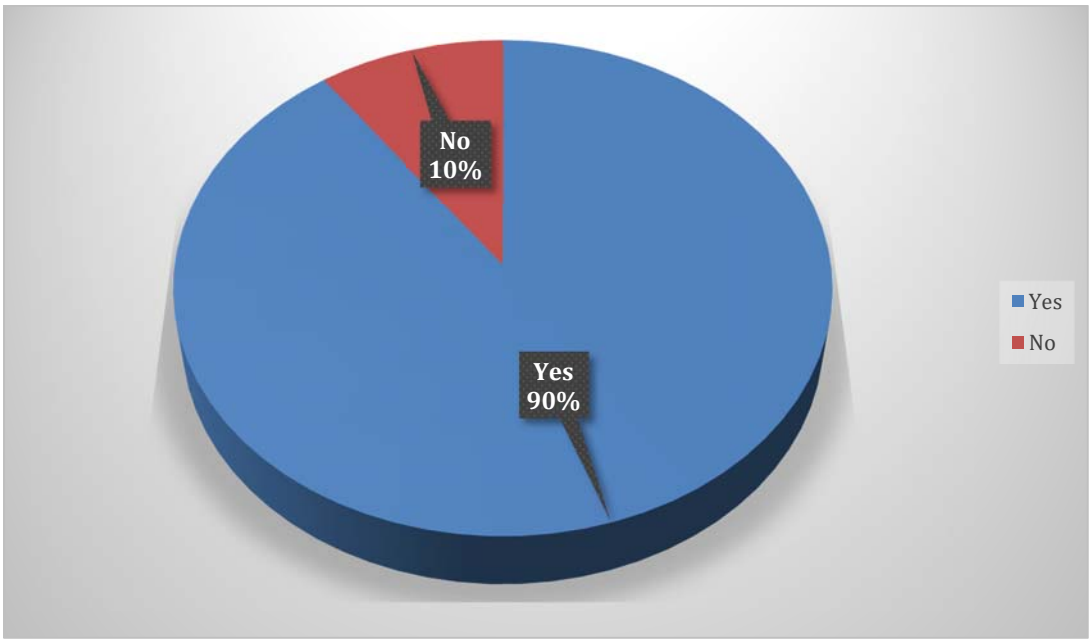
- Software of students and our interest.
- Workshops should be arranged ongoing project in IITs, So that we can get ideas.
- More focus should be on departmental teaching.
- Allowed or oriented new recruited faculty toward course work like teaching more than mgt. type work.
- Department wise interaction should be there.
- There must be sufficient time for visiting department lab interaction with training & placement department.
- Different institutes will have different problems. Please have some talks at individuals college level.
- More of hands on training how to present a teaching – learning experiment in a real time content.
- There should be given more time for department wise

Teaching

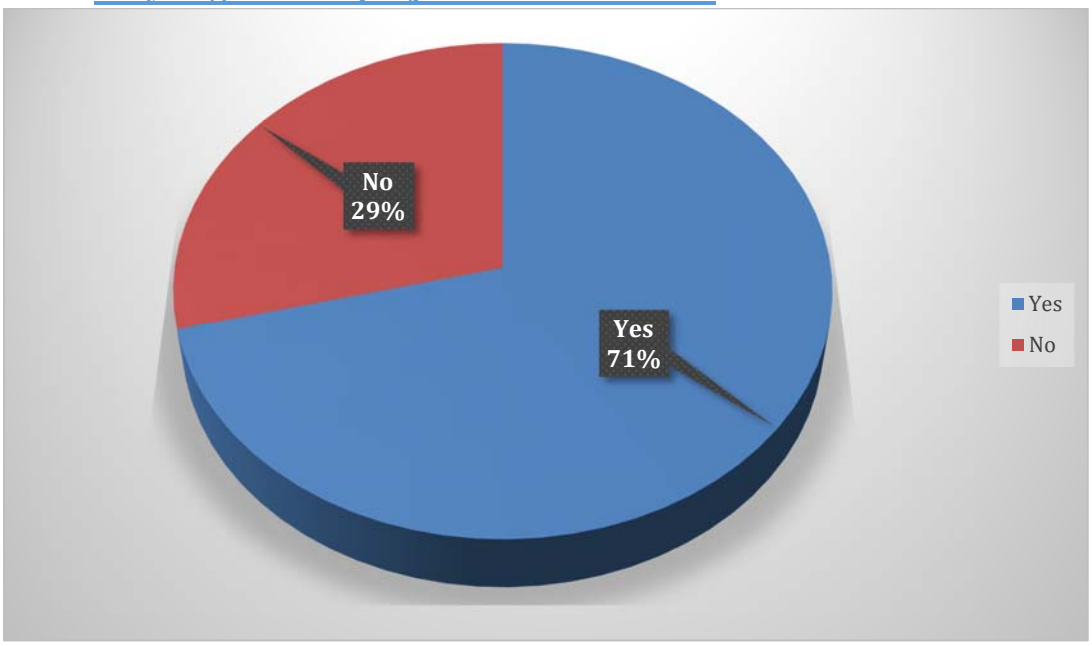
1. Do you have additional support for teaching (tutors, graders, teaching, assistants, etc)?



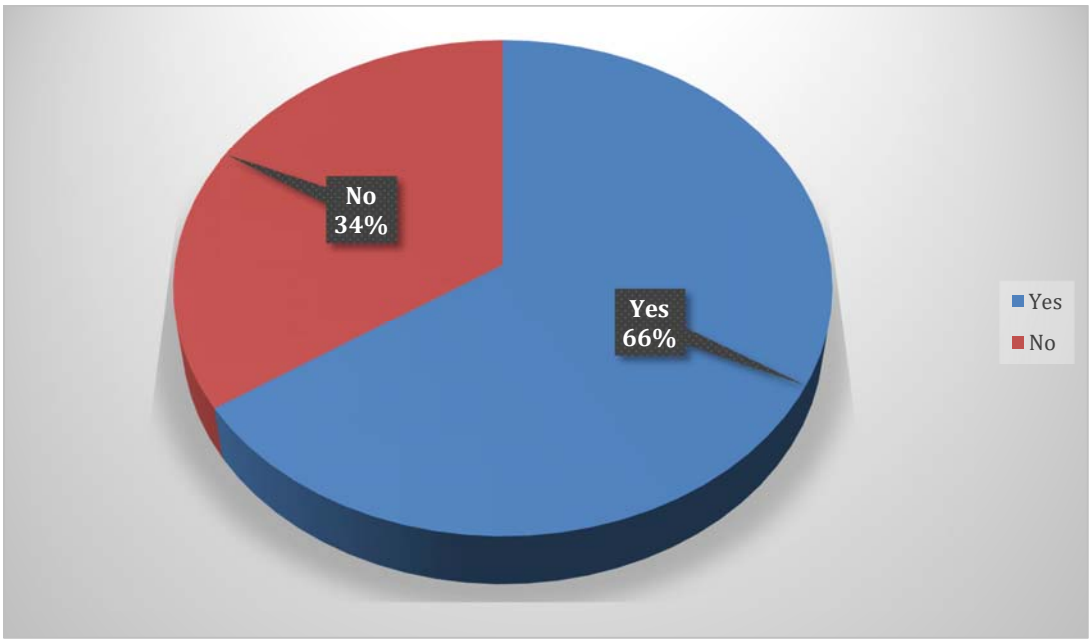
2. Do you give class projects for UG classes?



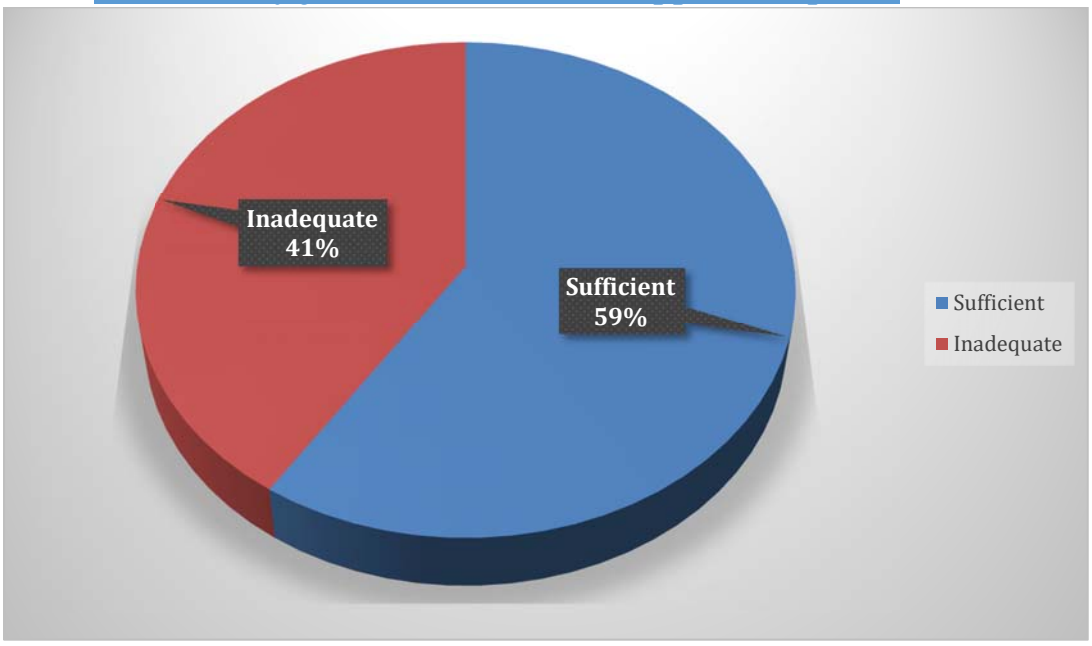
3. Do you give class projects for PG classes?



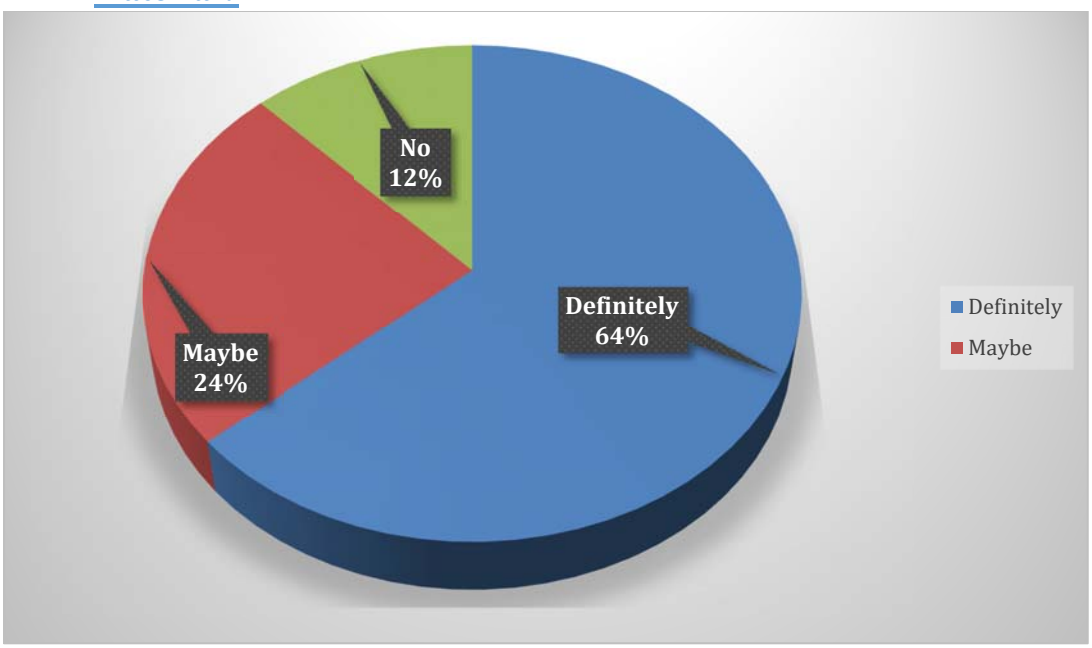
4. Do you have sufficient resources for laboratory courses?



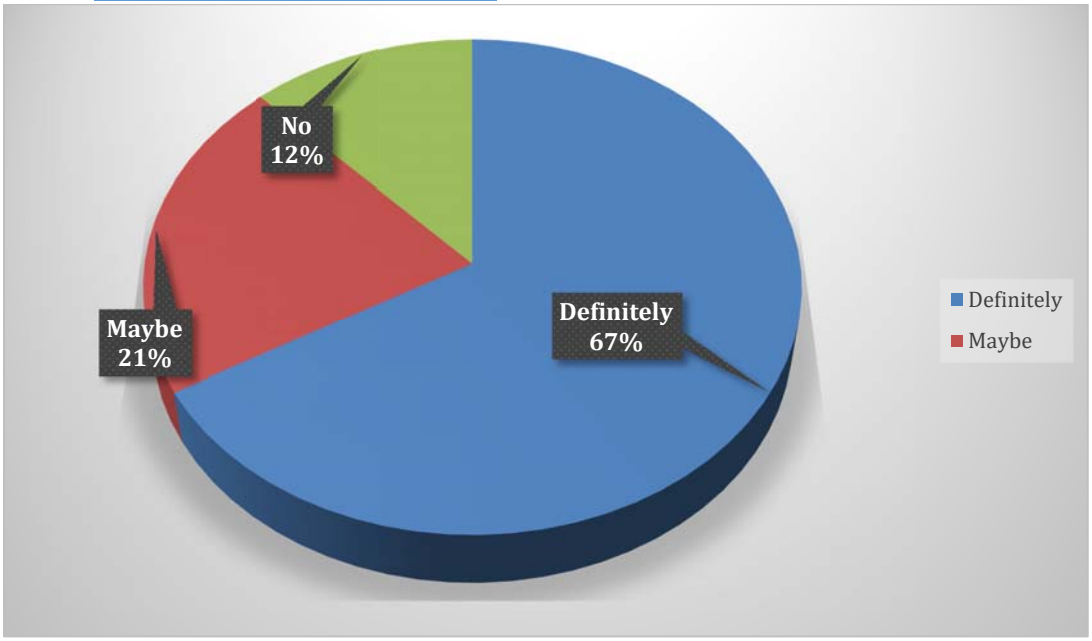
5. Is the library/journal/e-connection support adequate?



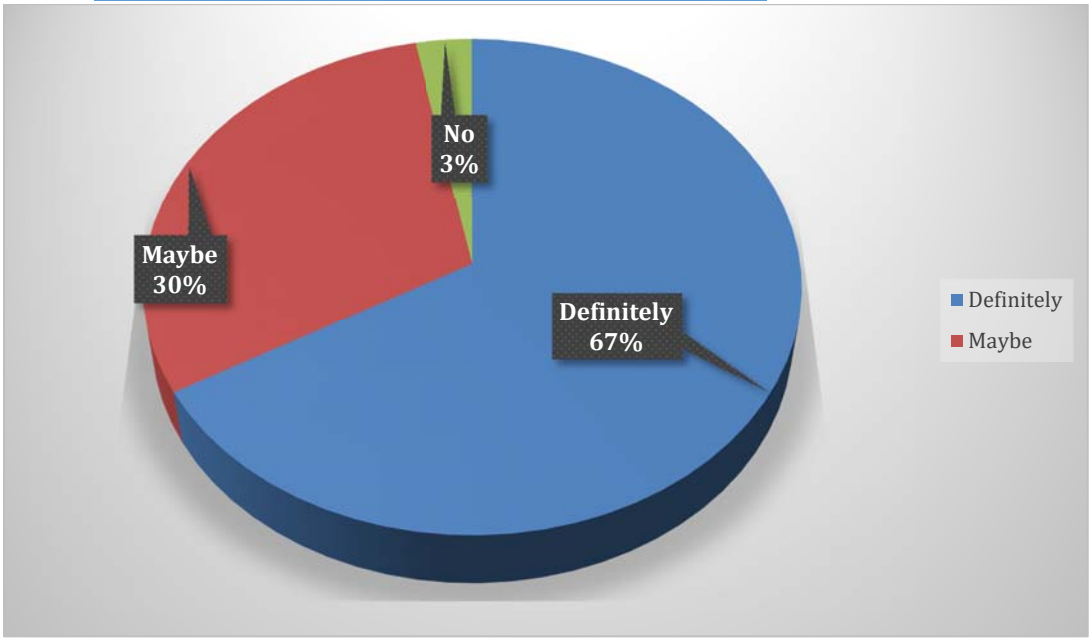
6. **Would you like to have common (TEQIP) repository of course material?**



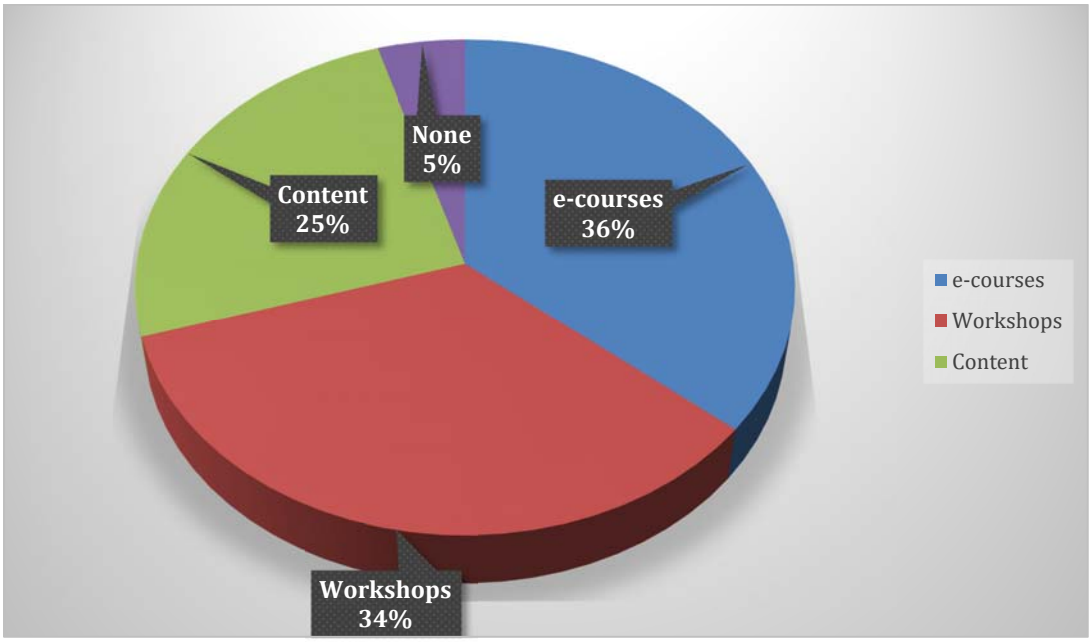
7. **Would you like to visit IITK to participate in and develop course material (existing or new)?**



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?

- Communication engineering.
- Basic electrical & Electrical Machine.
- Fundamental of computer + lab, data mining +lab, distributed computing +lab.
- Computer architecture.
- Real time system
- Network Analysis, power system analysis and power electronics, basic of electrical engg.
- Computer network, operating system
- Design of steel structure.
- Structural analysis.
- Integrated circuit design.
- H&T, engineering mechanics
- Machine Design
- Heat and mass transfer machine drawing fluid mechanics.
- Production engineering
- Thermodynamics
- Signal system and digital signal processing.
- English
- Control system engineering

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

- Yet classes not started.
- Class work not started yet.
- 24: 1(After TEQIP in EEE department.)
- 25:1

- 45:1-In civil engineering department
- 40:1
- 24:1
- 24:1
- 22:24 (After TEQIP III recruitment)
- 25:1
- 20:1
- 1:60
- 24:1
- 24:1

12. How TEQIP can improve your teaching?

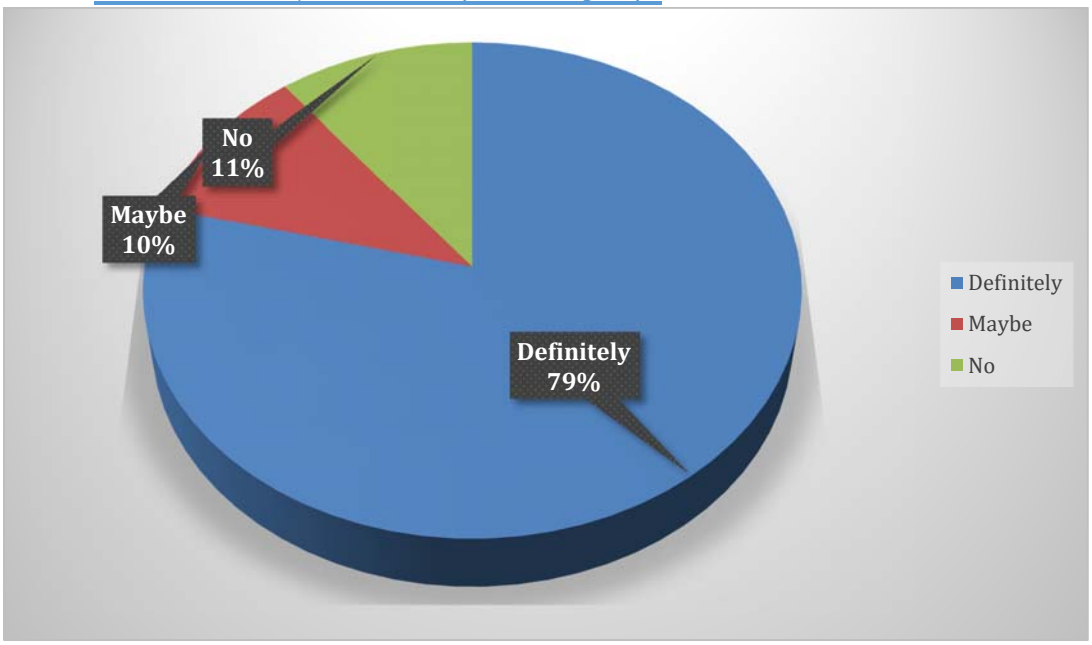
- By training us on various updated topics so that we can on to our students.
- By organizing workshop on specific topics.
- Provide the library / internet / computer.
- Organizing workshop based on branch specification.
- By providing tools like good internet, infrastructure.
- By giving regular training and guidance.
- Conducting faculty improvement programs.
- Allowing I year course work in IITs for PhD provided.
- By organizing time to time faculty development programs department wise.
- Provide a smart class's better class room.
- By providing additional workshop.
- By organizing teaching improvement program
- I may need some of help to learn practical training myself before I teach in to student, I want to be sure.
- By providing necessary requirements for teaching aids.
- Providing modern day tools like projectors, conference.
- Through workshops, expert lecture etc.

13. What problems you face in teaching?

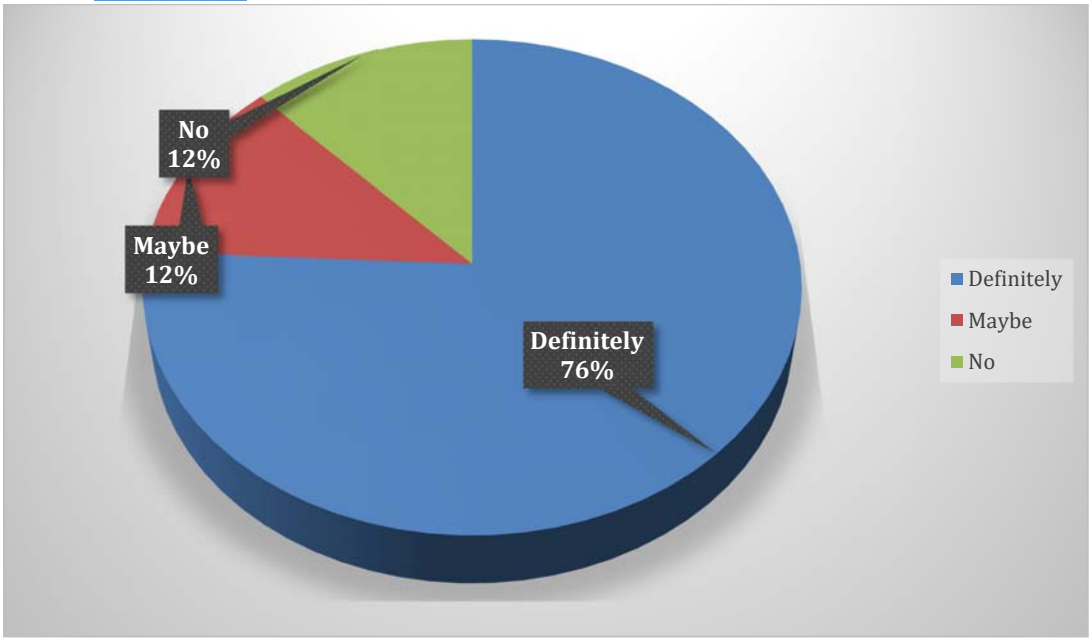
- Not yet started teaching in our college.
- No facility of internet, programs in classroom.
- There is only 4 classrooms so that have many problem for taken the lecture on line.
- Absence of adequate infrastructure.
- In availability of some reference books.
- Time management during delivering lectures.
- Involve me more on NBA or management type work other then teaching.
- Lack of recourse in classroom in my college projectors.
- Requirement of smart classroom
- Problem in book collection.
- Lack of sources like smart classes/ cameras for virtual classes.

Research

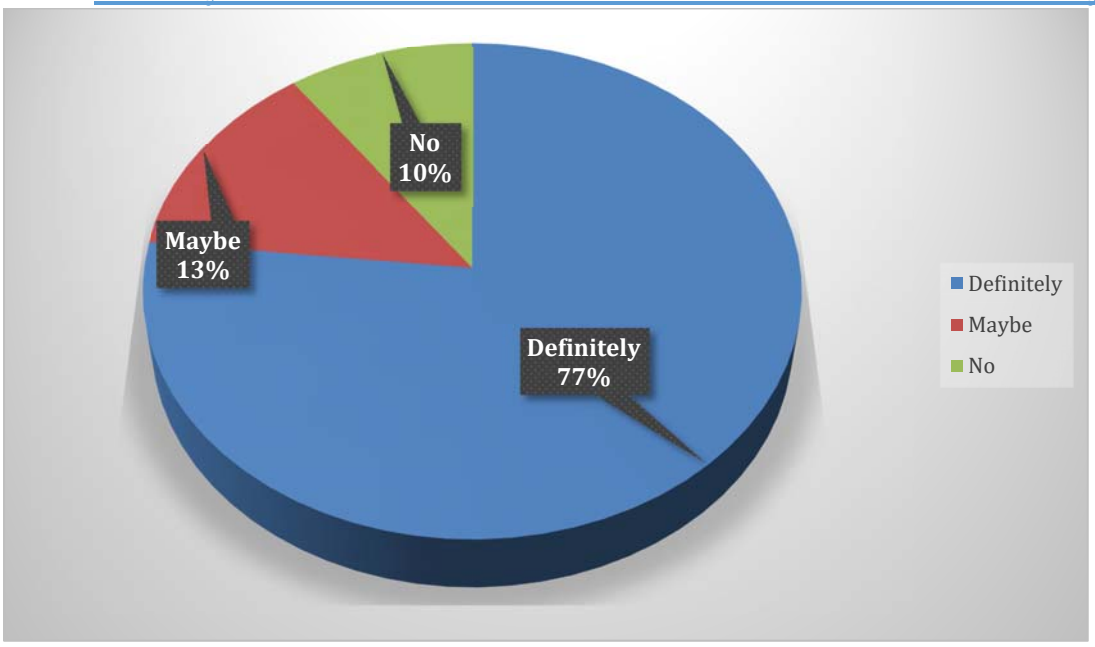
1. **Would you like to visit an IIT for a short visit/internship/post-doctoral stint, if offered (via TEQIP)?**



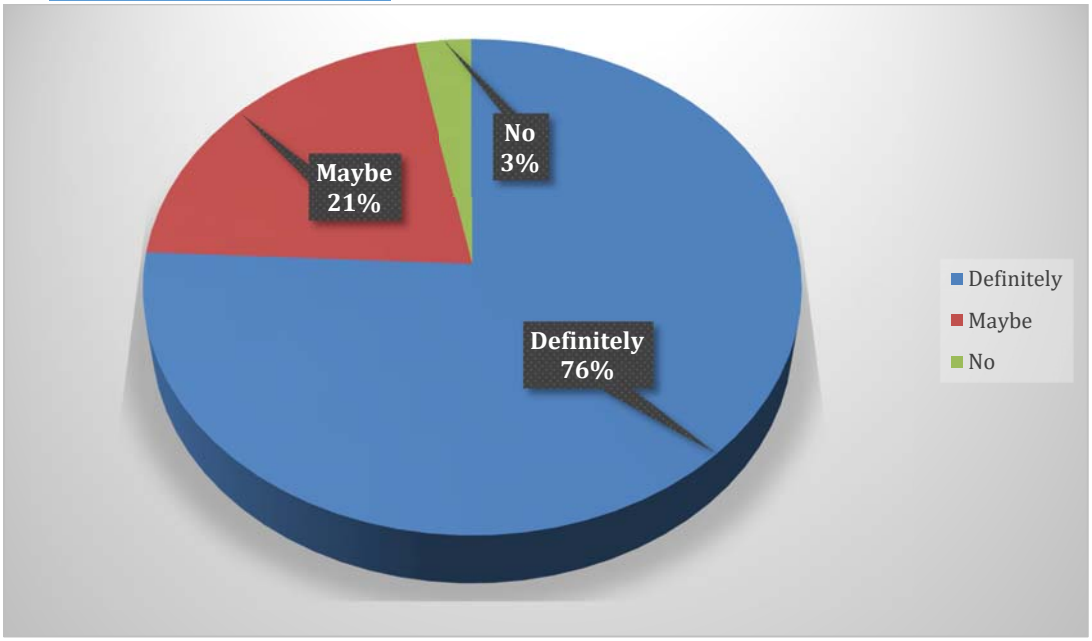
2. **Would you like to share/use research infrastructure at IITK, if made available?**



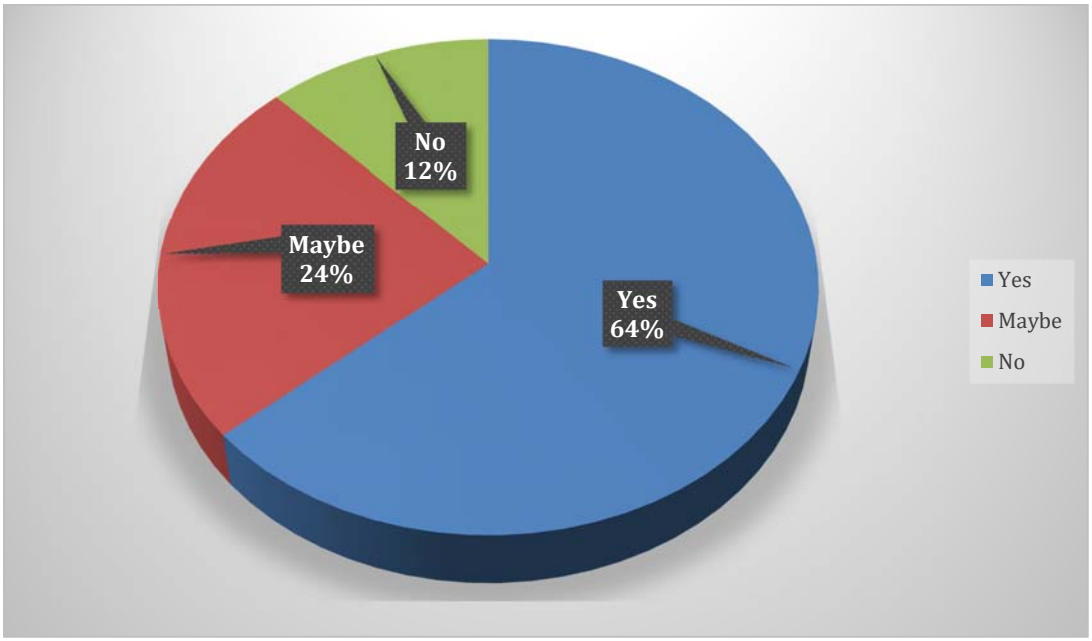
3. **Would you like to conduct collaborative research with IITK faculty?**



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 updating us on latest software and research areas.
- By providing facilities at our relative institutes & college rating with countries…… institutes like IITs, NITs.
- Lab setup/internet/computer.
- Giving permission to do PhD part time.
- Allowing to visit IITs or IISC regularly.
- Providing access to state of art research materials journals, books, software, equipment etc.
- Through connecting IITs professors & with their experiences.
- By giving us opportunity for visiting the IIT labs. And also interaction with IIT, IISC professors.
- Allow me to do research from reputed institutes like IITs /IISC /NIT because in care of part time PhD they want at least 1 year course works.
- Organizing different workshop on different topics.
- Journal papers, conference papers.
- Provide access to journal in my college.
- Funding, lab development in respective college.
- Provide our college access to some site like research gate, science direct and also software like ANSYS.
- By providing mentor ships to us from IITs professors.
- Allowing us to do part time PhD
- Allow us to workshops, seminars.

7. Do you have V.I. lab as component in UG?

Yes: 01
No: 32

8. Did this program help you to rejuvenate yourself as a teacher?

Yes: 30
No: 02

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

- Definitely we want national & international workshop in our institute topic related to electrical engg.
- D.E.I can organize a national/international workshop on some topics like agriculture & green energy intervention, sustainability, optimize & maintenance of mini plants at D.E.I
- Such topics in a workshop may cover a lot of issues which generally arises around us in the society and within our institutes
- 3D printing (awareness of 3D printing among students and industries is to accelerate adoption rate)
- Practical applications of remote sensing GIs and GPs (different field of application)
- Quantity management
- MOOCS
- Virtual instrumentation
- It can be done I areas of AI, solar, thermal Engg, severe plastic, deformation, additive manufacturing, biomechanics, healthcare, water and air quality, etc.
- Yes it will help in development of institute and self
- Definitely time to time should conduct national & international workshop
- Conduct a national & international workshop which helpful for research in our institute
- If possible then conduct national and international in our institute
- Workshop on following topics may be conducted
    - Agriculture and green technologies intervation
    - Sustainability
    - Air & water quality
    - Operation & maintenance of solar & biogas plants
    - Renewable energy
    - Machine learning/ soft computing
    - Course structuring of vocational courses.
    - Sustainable technologies