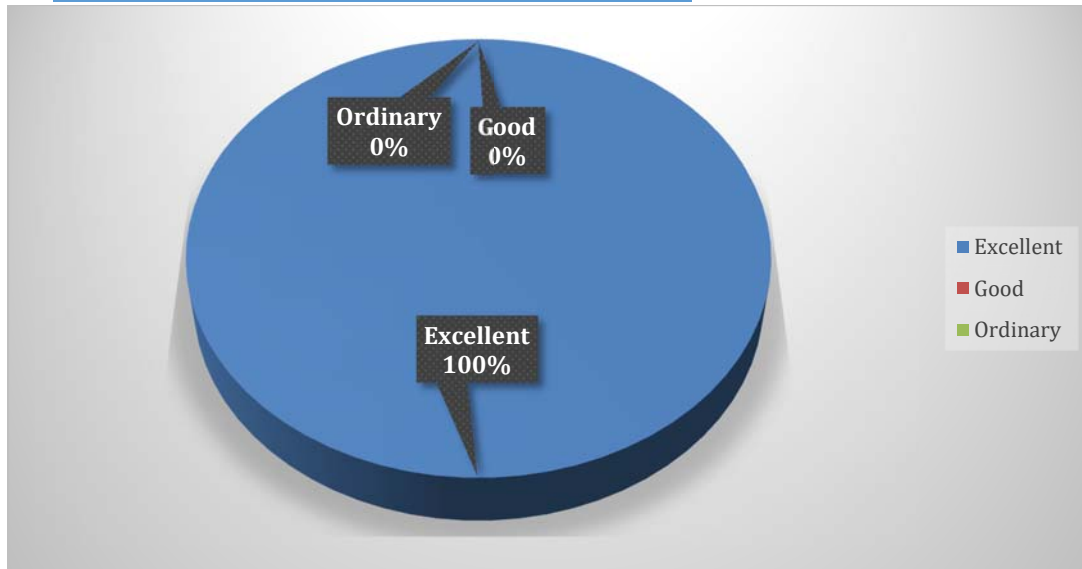


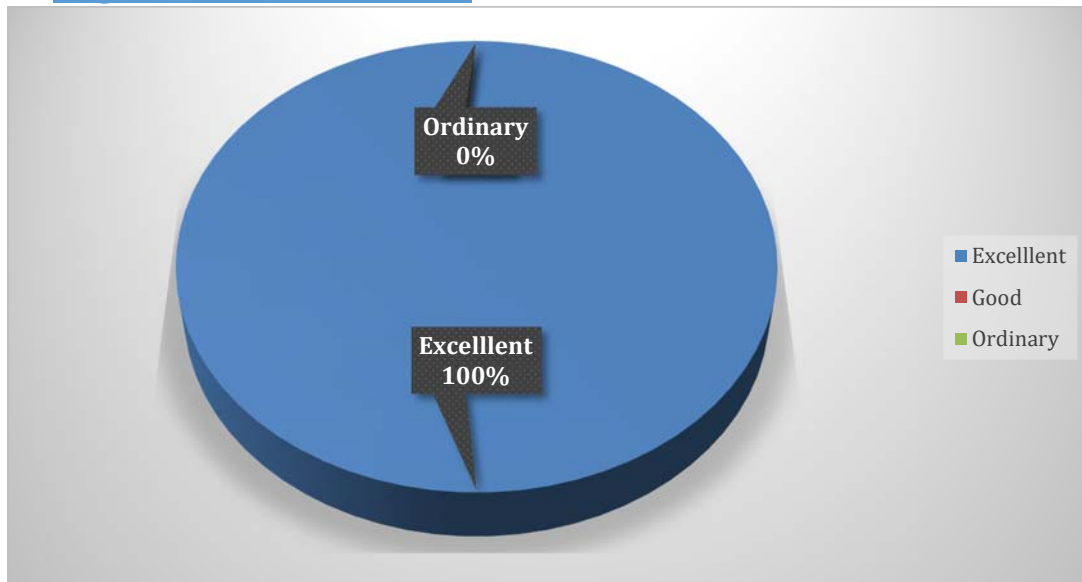
# TEQIP workshop on Modal Analysis Theory in Practice 17-21 September 2018

## Workshop

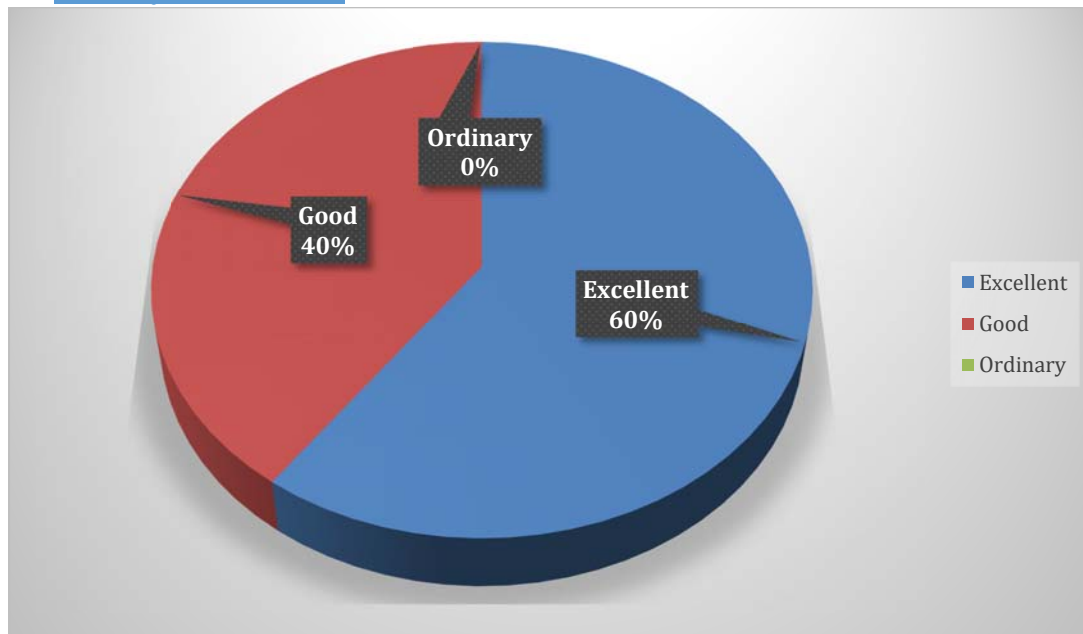
### 1. Clarity of communication about workshop



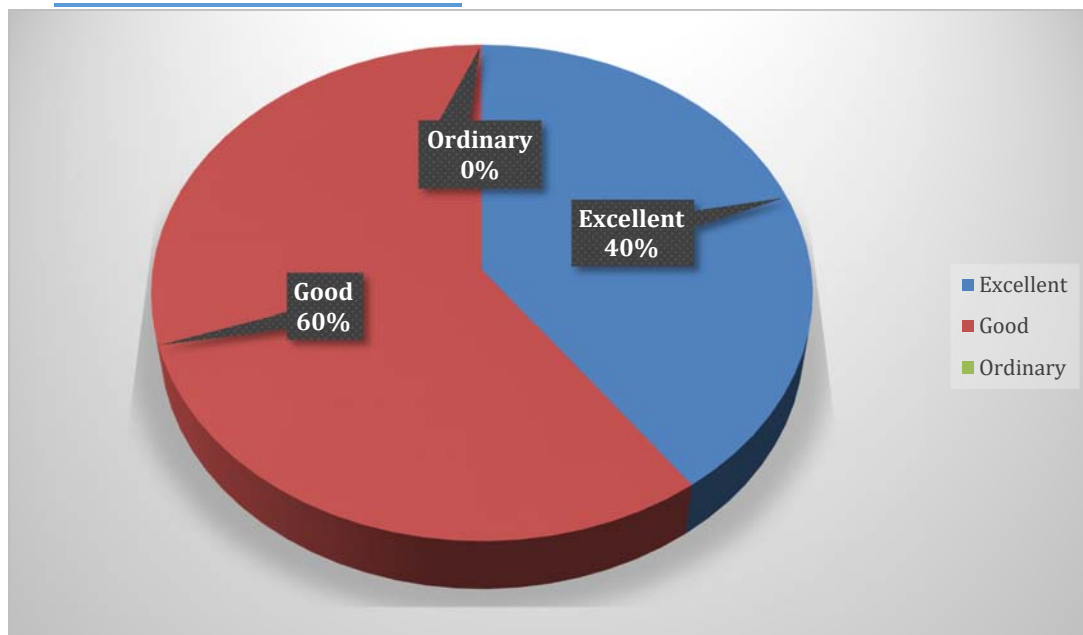
### 2. Organization of the sessions



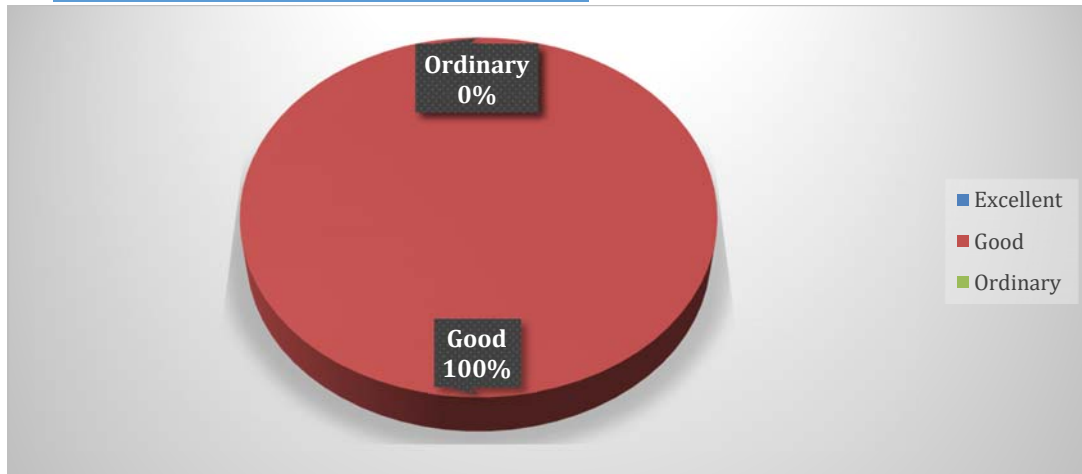
### 3. Quality of Lectures



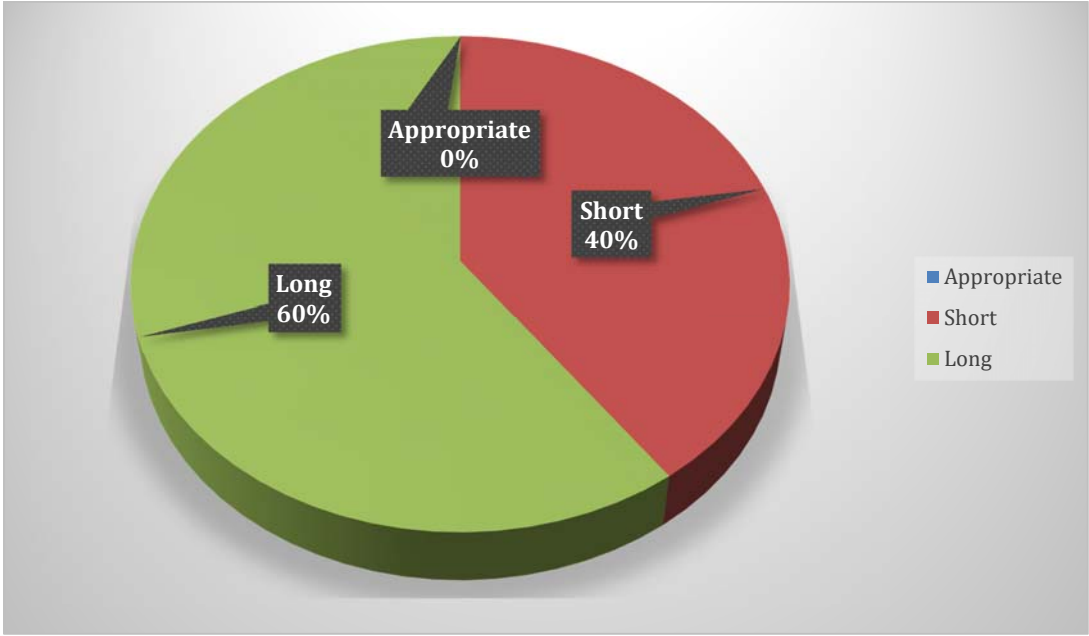
### 4. Effectiveness of discussions



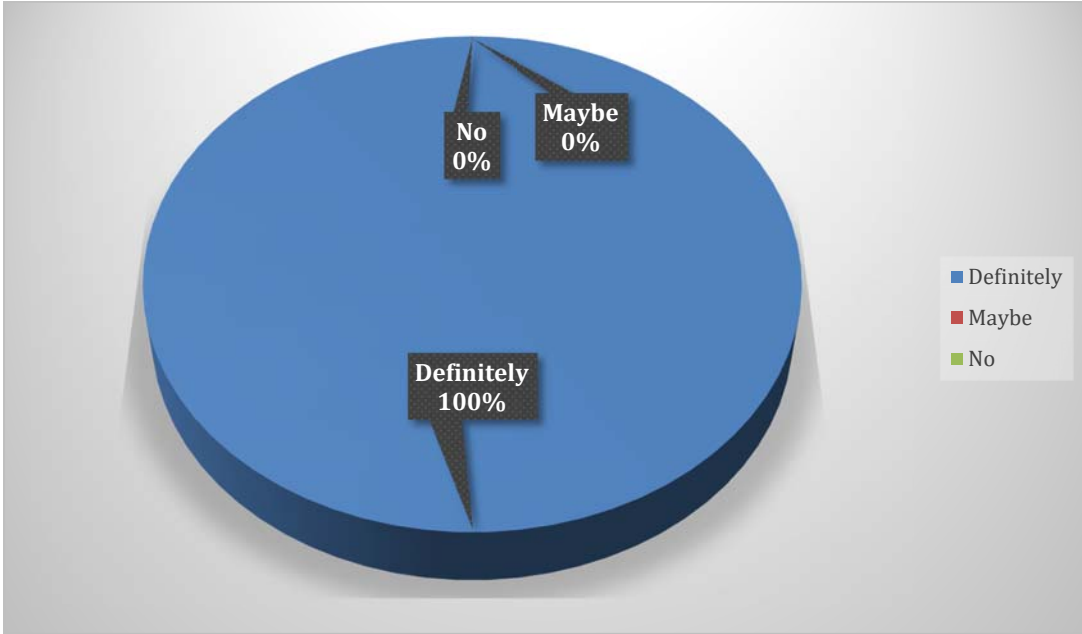
## 5. Effectiveness of learning experience



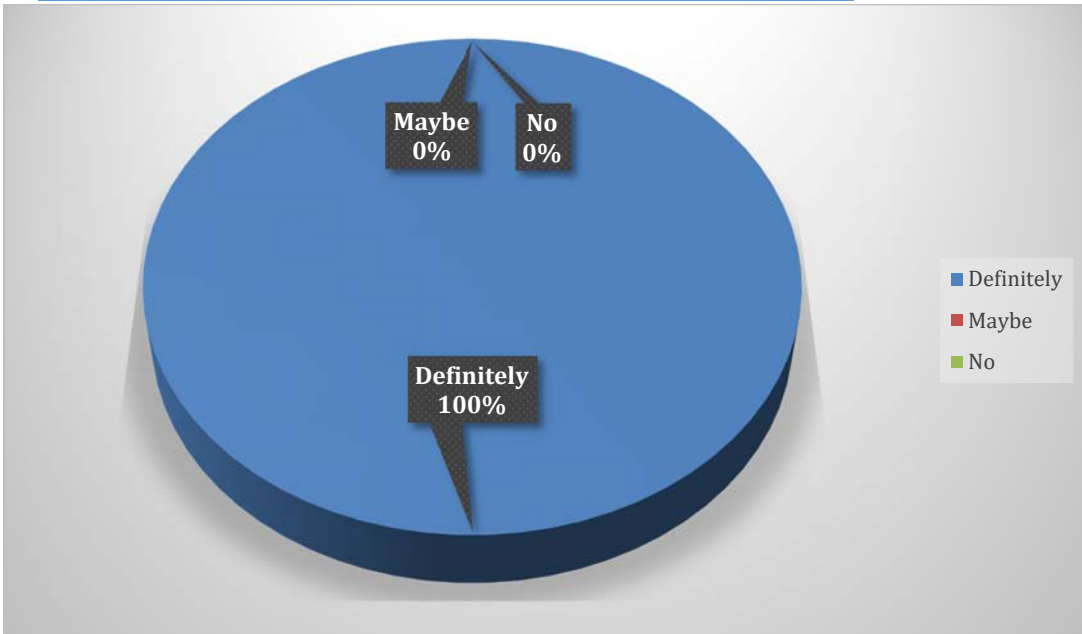
## 6. Workshop duration



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**

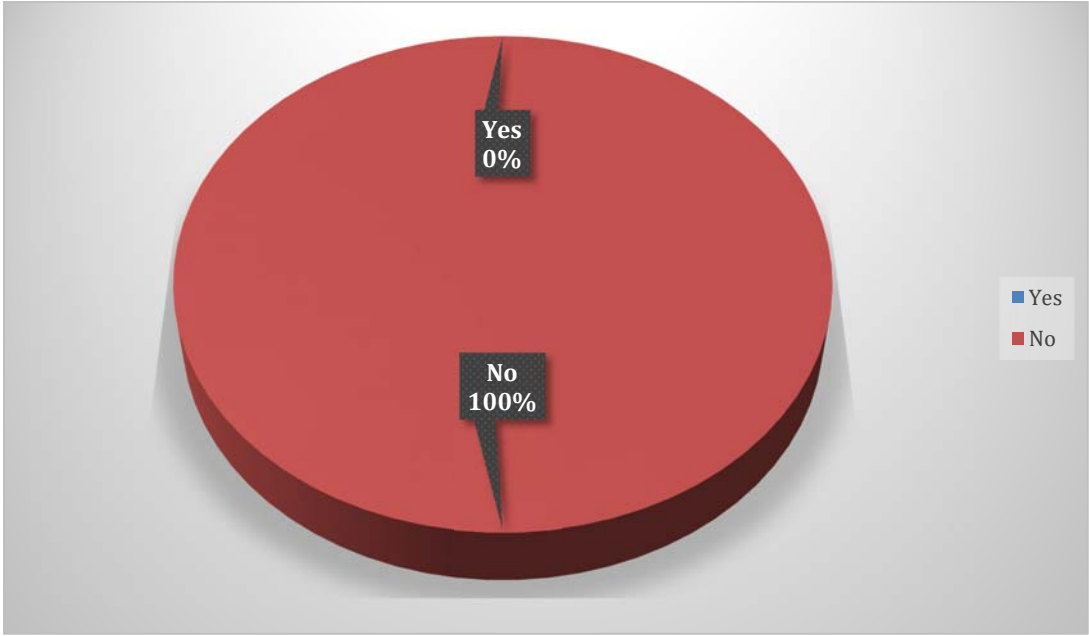
- ❖ Frequency responses for a automotive application
- ❖ Study of any vibration standard
- ❖ Structural failure of plastics in dynamic conditions
- ❖ Composite structure failure
- ❖ Explanation of industry standards like JIS 1601
- ❖ Vibration standards for automobiles . eg. JIS1601 D
- ❖ Engine order- which components at which order w.r. to engine frequency
- ❖ Labs were good if would help a lot if at least discussion on the basis of lab was more interlined
- ❖ Modal analysis in many FEM approach
- ❖ Modal analysis for non linear materials

## **10. Additional Suggestions**

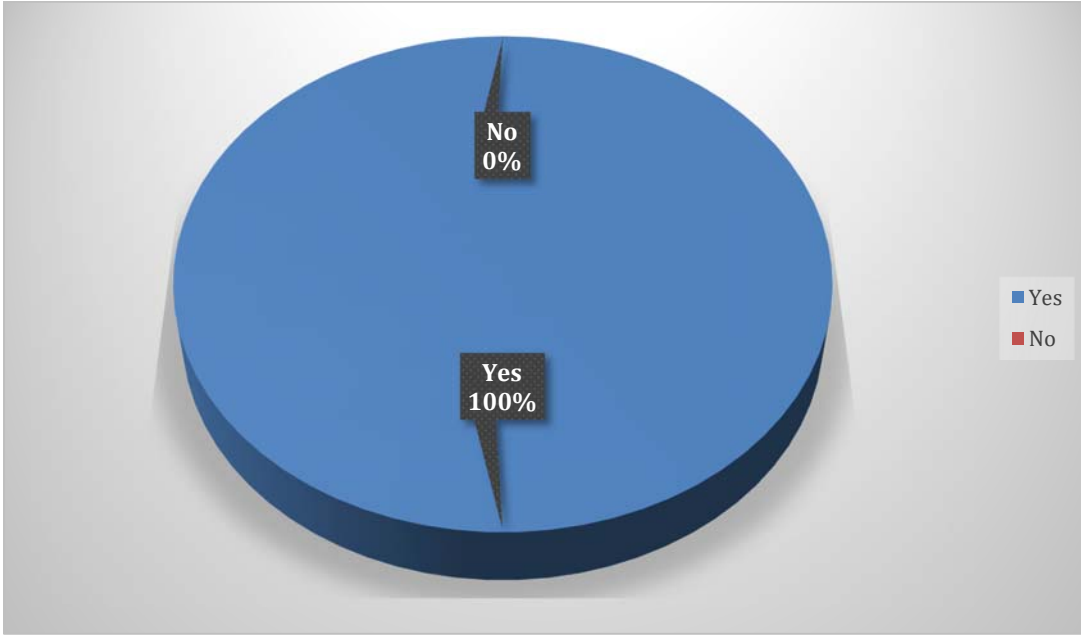
- ❖ Modal study by using approach
- ❖ This is a topic, which has direct implication in industry. This workshop is of very short duration to understand it completely. So, there must be short term courses of 15 days, one month or two month for this course
- ❖ And more examples from automotive industry
- ❖ Share lecture material (ppt, videos of lecture delivered ) if possible. In future a workshop on motor dynamics is organised it will help me and many.
- ❖ Random vibrations (PSD) and its application, measurement

## **Teaching**

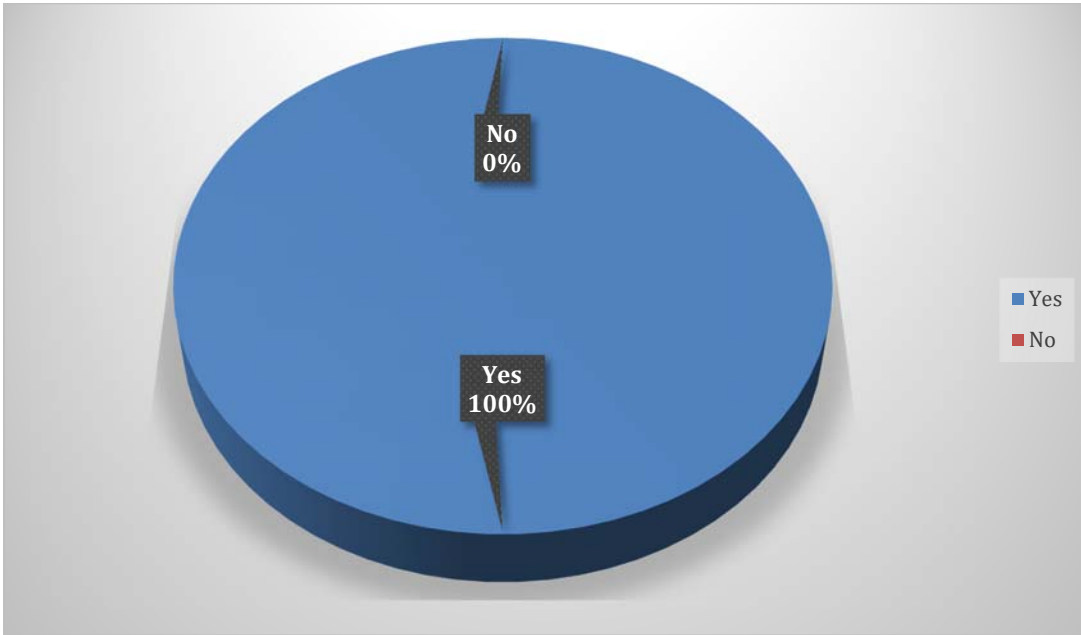
- 1. Do you have additional support for teaching (tutors, graders, teaching, assistants, etc)?**



2. Do you give class projects for UG classes?

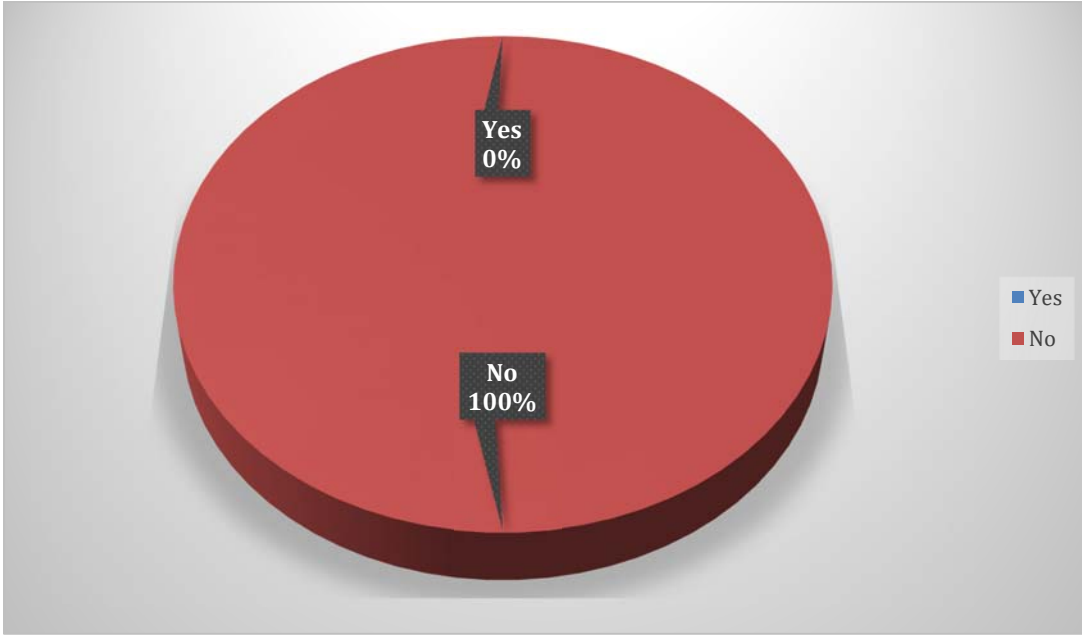


**3. Do you give class projects for PG classes?**

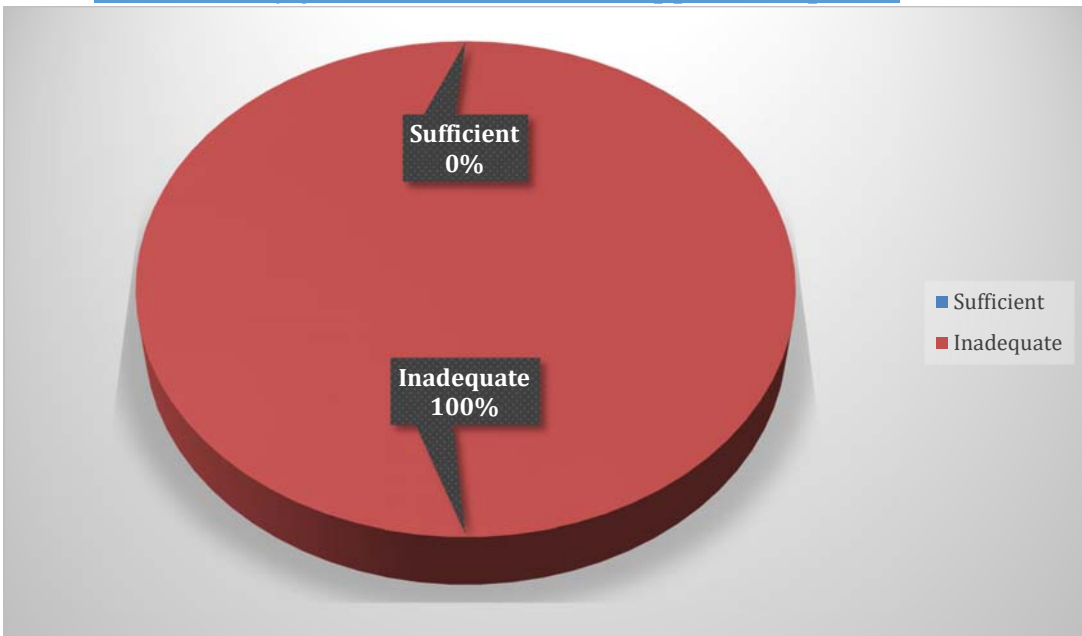


**4. Do you have sufficient resources for laboratory courses?**

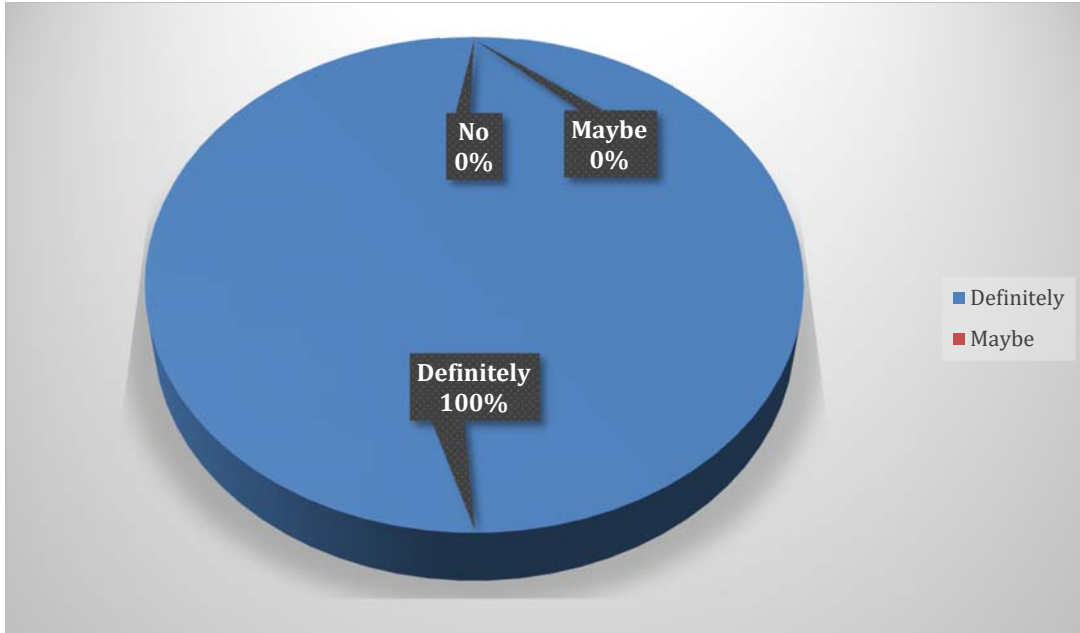




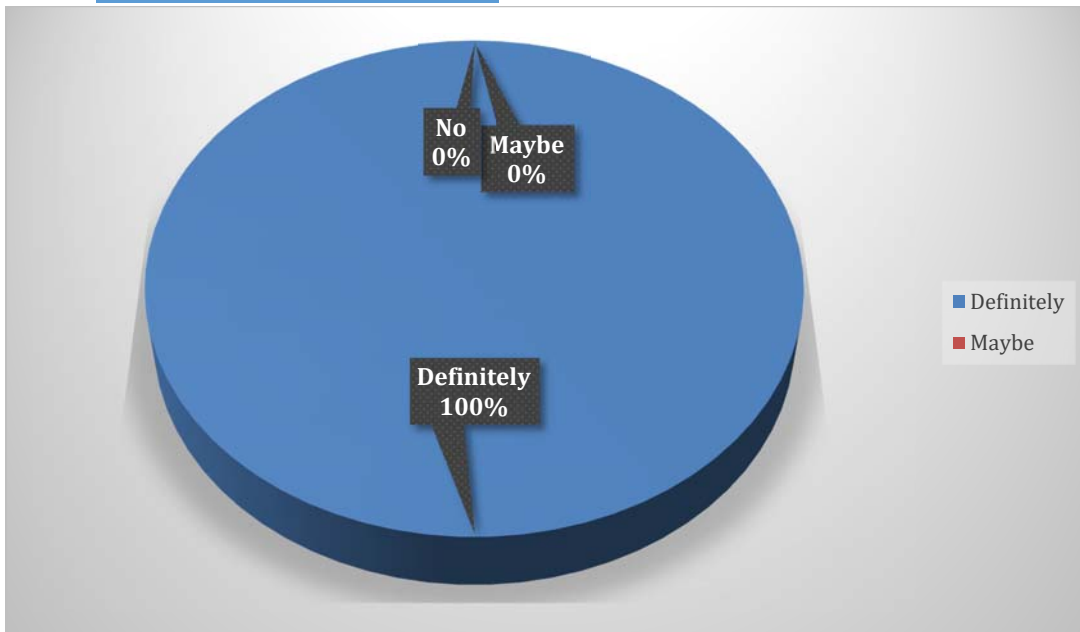
5. Is the library/journal/e-connection support adequate?



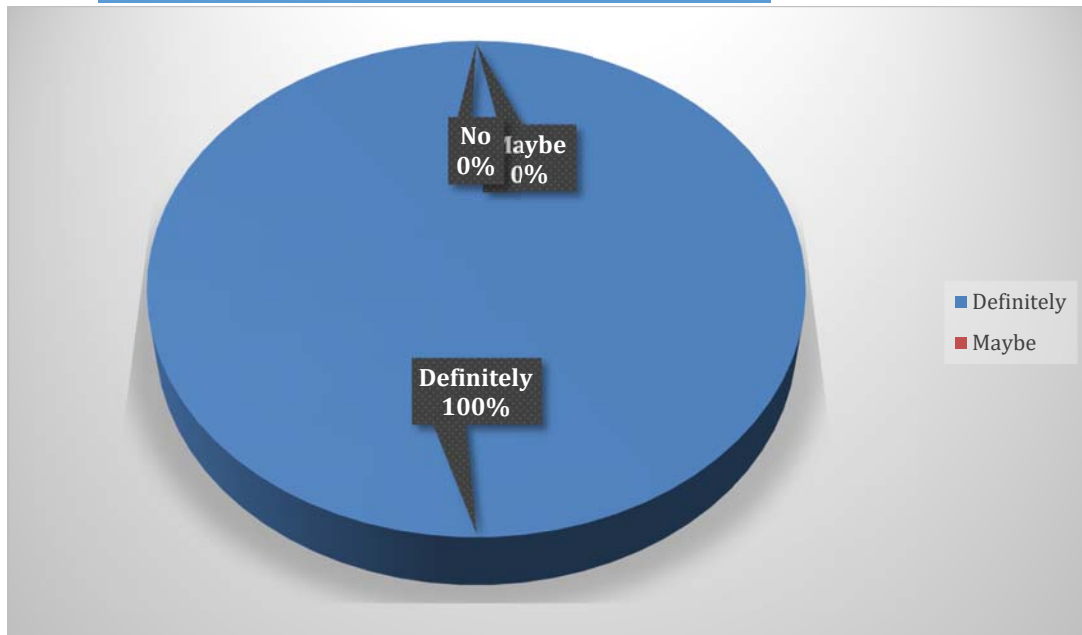
6. Would you like to have common (TEQIP) repository of course material?



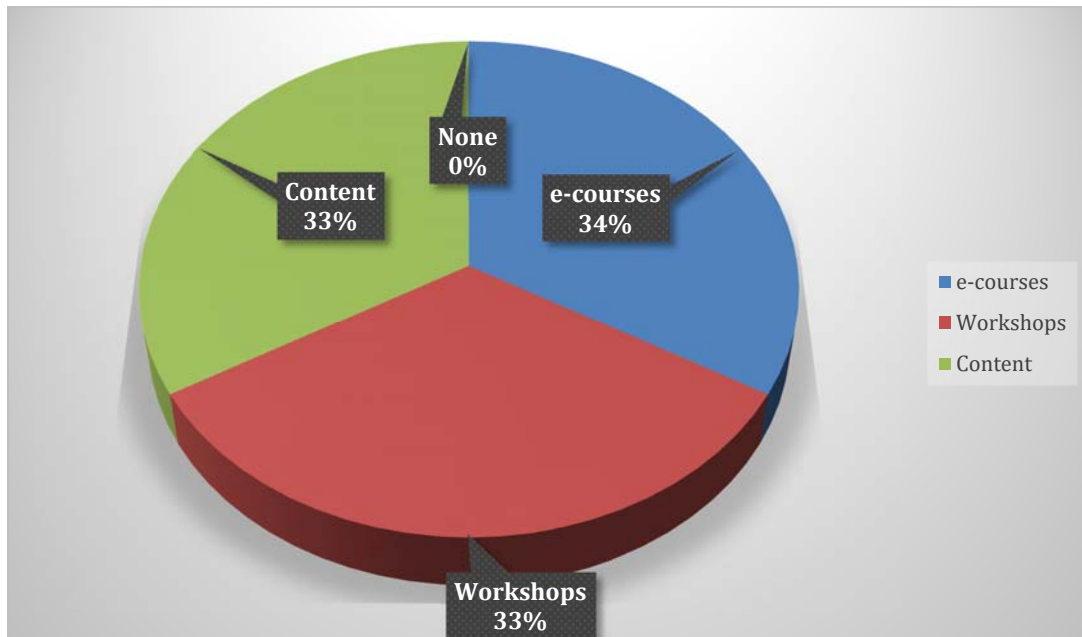
7. Would you like to visit IITK to participate in and develop course material (existing or new)?



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?

- ❖ Machine design, Dynamic of m/K

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

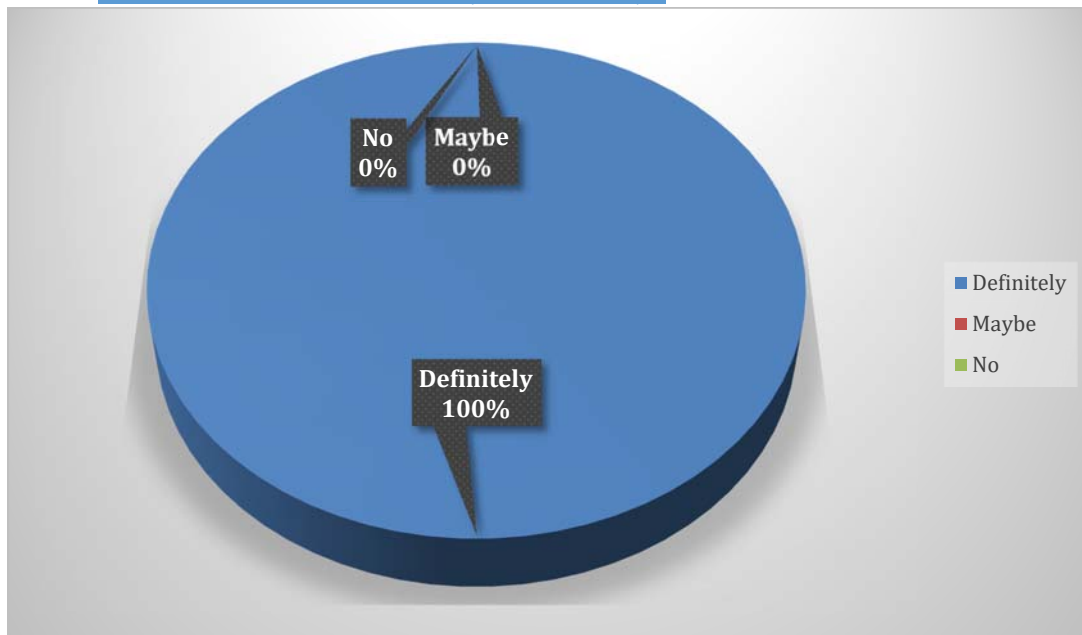
- ❖ 20:1

#### 12. How TEQIP can improve your teaching?

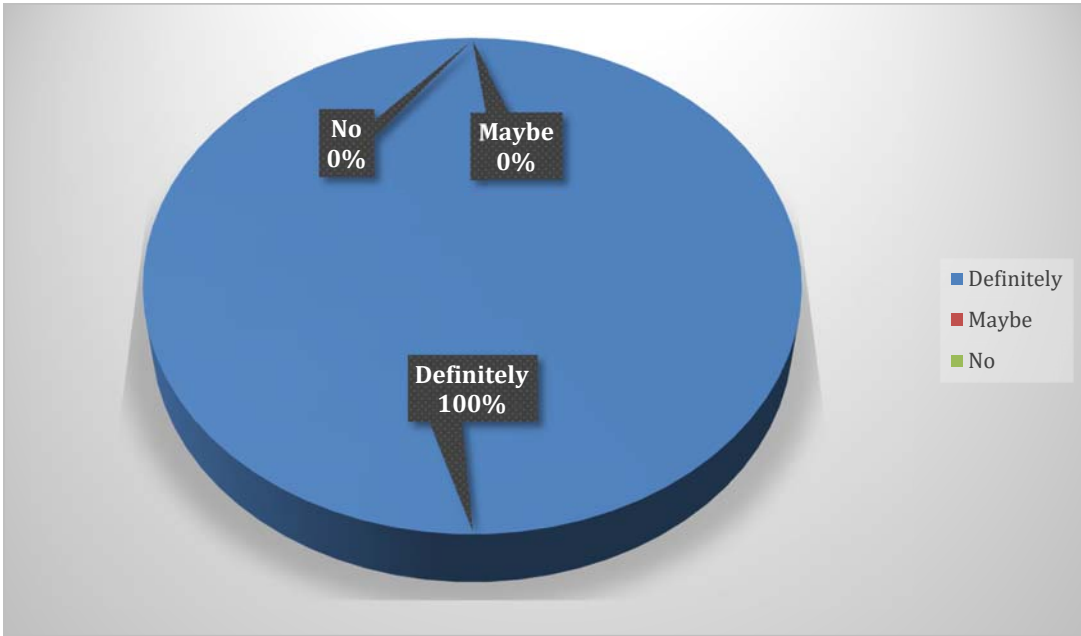
- ❖ By providing resources and manpower.

## Research

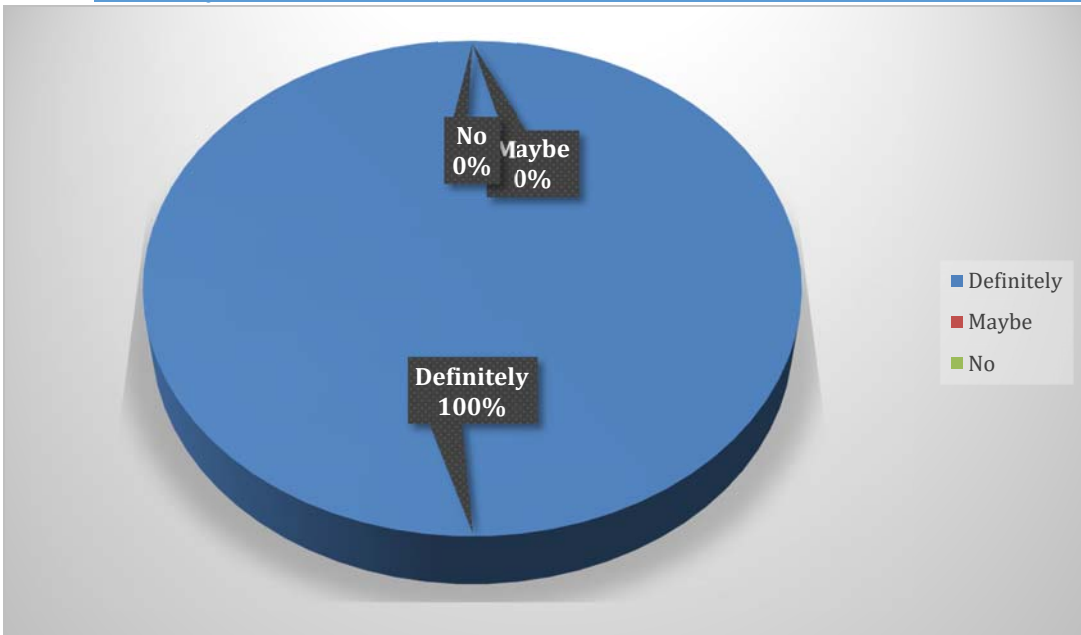
1. Would you like to visit an IIT for a short visit/internship/post-doctoral stint, if offered (via TEQIP)?



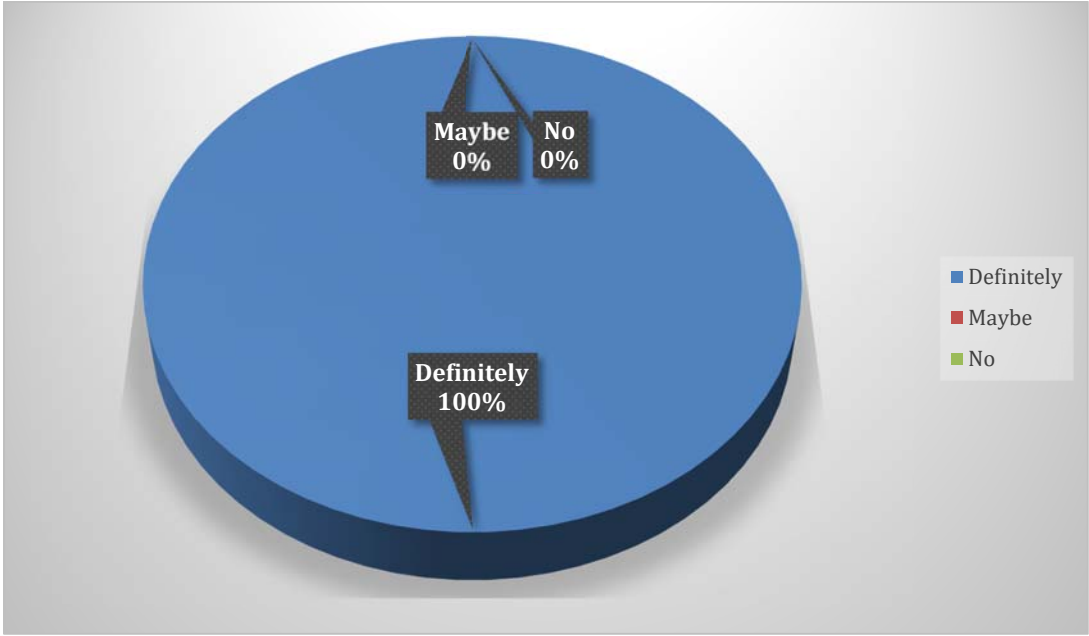
2. Would you like to share/use research infrastructure at IITK, if made available?



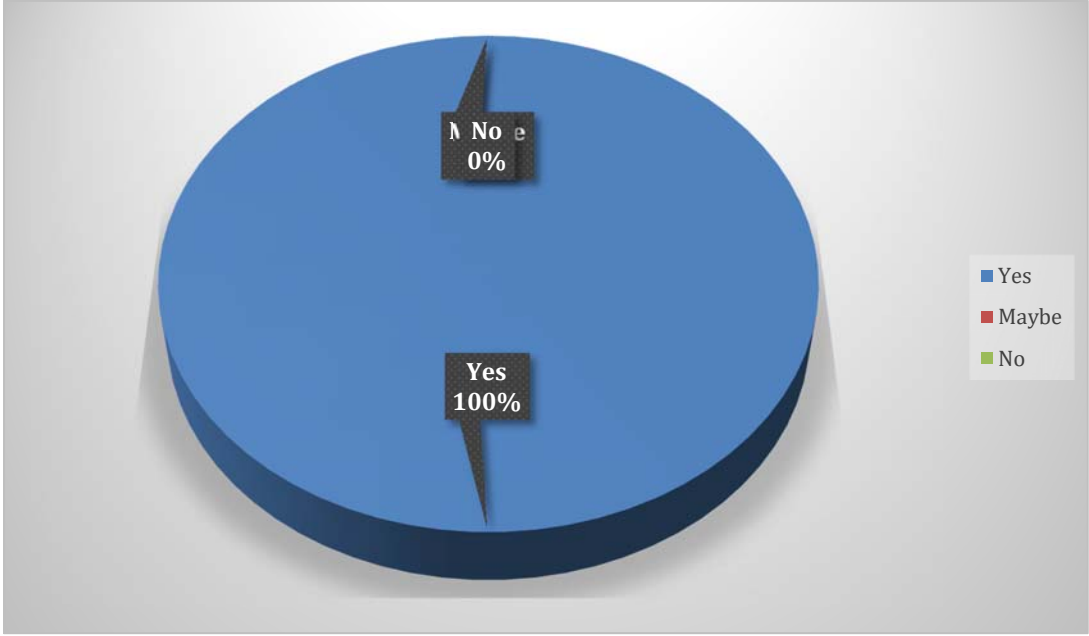
**3. Would you like to conduct collaborative research with IITK faculty?**



**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?**

- ❖ Updating in laboratory.