

# Action Research

**Ashwini Naresh Kudtarkar**

Shri G.P.M. Degree College of Science and Commerce, Andheri, Mumbai, Maharashtra

**Abstract:** *Action Research is a systematic method of inquiry that teachers undertake in the role of researchers investigating their own teaching practices. It is often referred to as a "cycle of action" or "cycle of inquiry" due to its recurring and structured process. As a simple example, the process begins with identifying a problem for study, collecting data related to that problem, and then organizing, analyzing, and interpreting the collected data. This approach empowers teachers to develop new knowledge directly applicable to their classrooms, encourages reflective teaching and thinking, broadens the pedagogical skills of educators, grants teachers greater control over their profession, and reinforces the connection between practice and student achievement.*

**Keywords:** Action Research

## I. INTRODUCTION

Action Research is a systematic method of inquiry that teachers undertake in the role of researchers investigating their own teaching practices. It is often referred to as a "cycle of action" or "cycle of inquiry" due to its recurring and structured process. As a simple example, the process begins with identifying a problem for study, collecting data related to that problem, and then organizing, analyzing, and interpreting the collected data. This approach empowers teachers to develop new knowledge directly applicable to their classrooms, encourages reflective teaching and thinking, broadens the pedagogical skills of educators, grants teachers greater control over their profession, and reinforces the connection between practice and student achievement.

Educational research offers a vast reservoir of knowledge spanning topics related to teaching and learning, curriculum design and assessment, students' cognitive and emotional needs, as well as the impact of cultural and socio-economic factors in schools, among other factors that influence educational improvement. Stakeholders in education rely on research findings to make informed decisions that ultimately shape the quality of education for their students. Consequently, the aim of educational research is to engage in systematic inquiry that generates knowledge relevant to students, teachers, administrators, schools, and other educational stakeholders. Just as the subjects of educational research are diverse, so are the methods used to conduct research within the educational context. Your approach to research will be influenced by your specific teaching context, professional identity, and the underlying paradigm (a set of beliefs and assumptions guiding your research). These factors are central in shaping how you acquire knowledge in your role as an educator.

Action research stands out as an educational research approach commonly embraced by educational practitioners and professionals to examine and, ultimately, enhance their teaching techniques and practices. It serves as an extension of the reflective and self-critical processes that educators employ on a daily basis in their classrooms. In dynamic and often unpredictable classroom settings where students are actively engaged in learning, educators are constantly challenged and must pay continuous attention to their teaching practices.

### **Rationale / Background:-**

The offline education shifted to online mode since the outbreak of Covid-19 pandemic and was not easy to adopt for students as well as teachers. Students on the other hand found out how to learn through online mode. Some were finding it easier to learn while some were finding it easier to learn while some were not enjoying the learning away from their schools. Now since the cases of Covid-19 pandemic are trending down words due to more vaccination, many state governments have decided to bring back offline education. The selection of this topic gives an idea on reliable basis through process of survey. The topic provides understanding about students psychological after shifting back to offline mode from online mode. It gives an account of student's hardship their way of learning, to develop better research and

strategic policies to enhance their learning. Why 7<sup>th</sup> standard students? They are mature enough to know much between offline and online learning and to know the real problems based on their understanding. Online and offline education both has their advantages and disadvantages:-

**Advantage:**

Students Learn to Maintain Discipline & learning of various skills  
No More Gadget Addiction  
Better Student-Teacher Interaction  
Save Resources & Extracurricular activities  
Helps in classroom communication & Punctuality

**Disadvantage:**

Traveling expenses & longer schedules  
Fixed schedule & lectures once delivered cannot be repeated  
Lack of advanced technology  
Dependency on teachers  
Limited choice of courses  
Limited time for themselves  
Expensive mode of study

**Objectives :-**

To study difficulty faced by the student in online mode of education.  
To study difficulty faced by the student in offline mode of education.  
To compare difficulty faced by student in offline and online mode of education.

**The question / Problem statement**

To study difficulty faced by 7<sup>th</sup> standard student with recent change from online to offline mode of education.

**Offline**

I can write offline exam properly.  
I feel offline class is more interesting.  
I feel offline class provides healthy and competitive environment to students.  
I need more time to get ready for Offline School.  
I like P.T, music, drawing, periods in Offline School.  
I face difficulty in completing notes.

**Online**

Sometimes due to network issue, I was not able to attend the online lectures.  
I faced difficulties while learning new concepts in online class.  
I put my camera off in online class.  
Animations, PPT's, videos helped me a lot in understanding the subject.  
I found a lot of disturbances in online class.

**Plan of action :-**

I have selected the topic to study difficulties faced by 7<sup>th</sup> STD student with recent change of online to offline mode of education.

I have prepared 10 question related to online mode of education during pandemic. Then I have prepared 10 question related to offline mode of education after COVID - 19 situation. I have prepared a questionnaire of 20 questions. After preparing questionnaire I have taken survey of 7<sup>th</sup> STD student of The Public School in Kandivali East. I have completed my survey on 25<sup>th</sup>, March 2022.

**Time / Schedule (Prepare)**

Date	Time	Schedule
11 <sup>th</sup> March, 2022	2 pm to 3 pm	Orientation for Action Research
12 <sup>th</sup> March, 2022	2pm to 3 pm	Discussion and finalizing the topic
16 <sup>th</sup> March, 2022	4pm to 5pm	Discussion of the questions
19 <sup>th</sup> March, 2022	4pm to 5pm	Discussion of the questions
20 <sup>th</sup> March, 2022	—	Typing of the questions
21 <sup>th</sup> March, 2022	4 pm to 5 pm	Typing of the questions
22 <sup>th</sup> March, 2022	2pm to 3 pm	Finalizing the questions
24 <sup>th</sup> March, 2022	9am to 9:30 am	Survey
25 <sup>th</sup> March, 2022	9 am to 9:30 am	Survey
26 <sup>th</sup> March, 2022	4pm to 5pm	Discussion of Report Writing
27 <sup>th</sup> & 30 <sup>th</sup> March, 2022	—	Writing part
1 <sup>th</sup> & 10 <sup>th</sup> March, 2022	—	Other work with spiral binding

**Sample : -**

I have selected 35 students for surveys.

I have completed my survey is The Public School in Kandivali East.

**Tools : -**

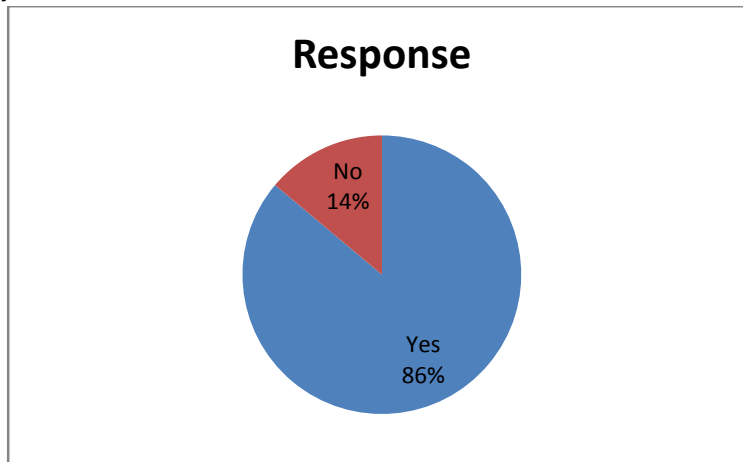
I have prepared Questionnaire of closed ended question like Yes & No type question.

I have prepared 10 question based on online mode of education during pandemic & 10 question based on offline mode of education & prepared a questionnaire.

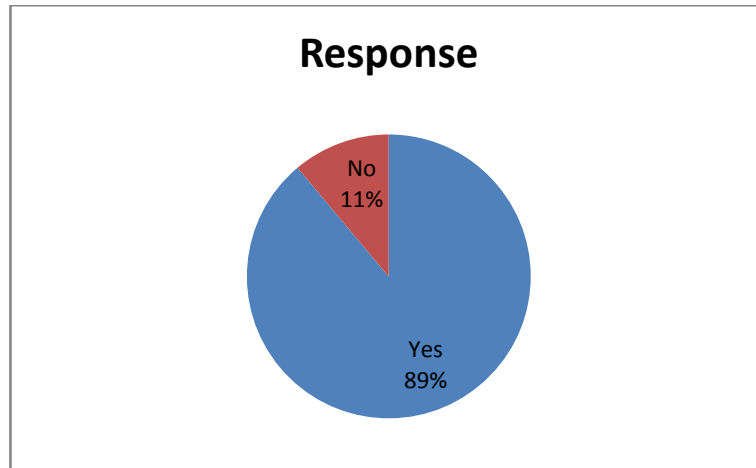
**Analysis : -**

After collecting the data & survey from the students I pie chart is prepared for analysis.

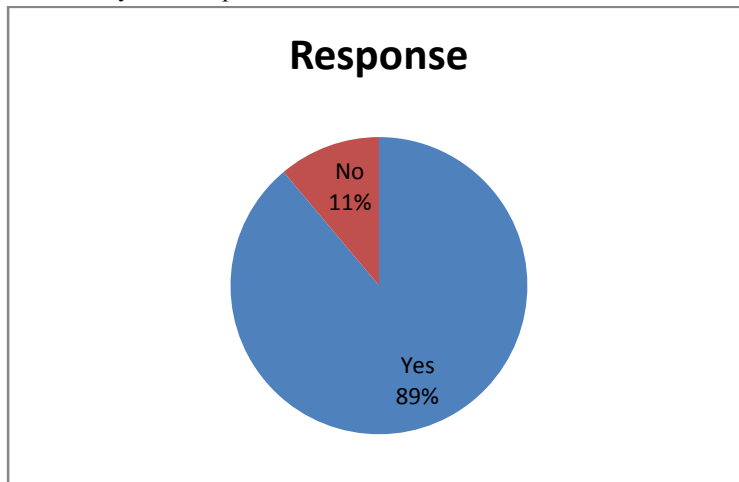
I enjoy company of my friends in school.



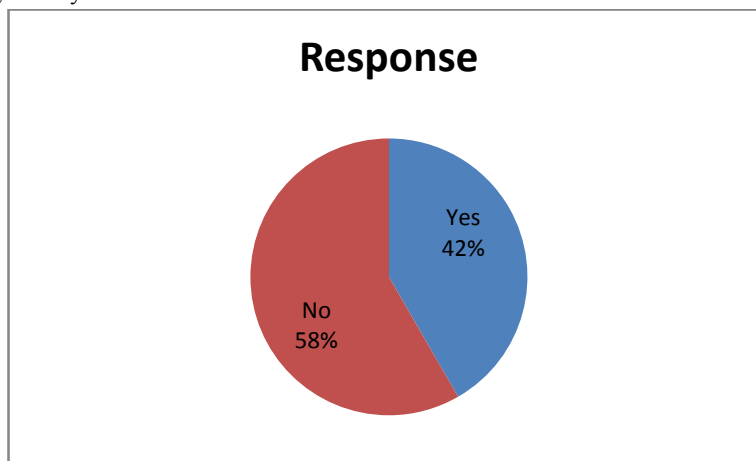
I feel offline class is more interesting.



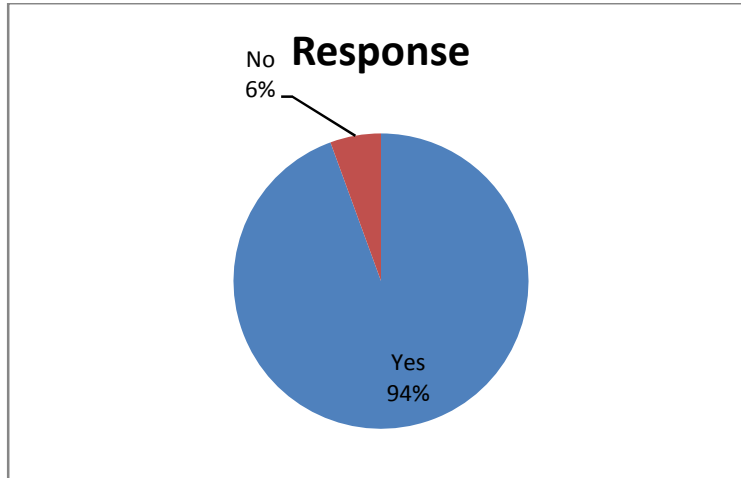
I feel offline class provides healthy and competitive environment to students.



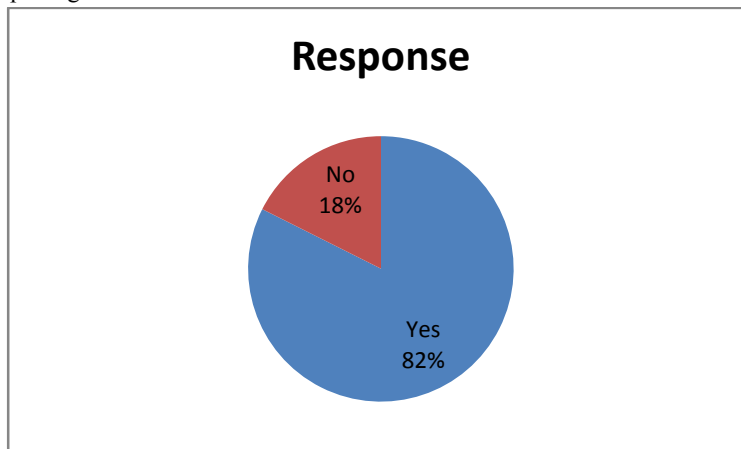
I need more time to get ready for Offline School.



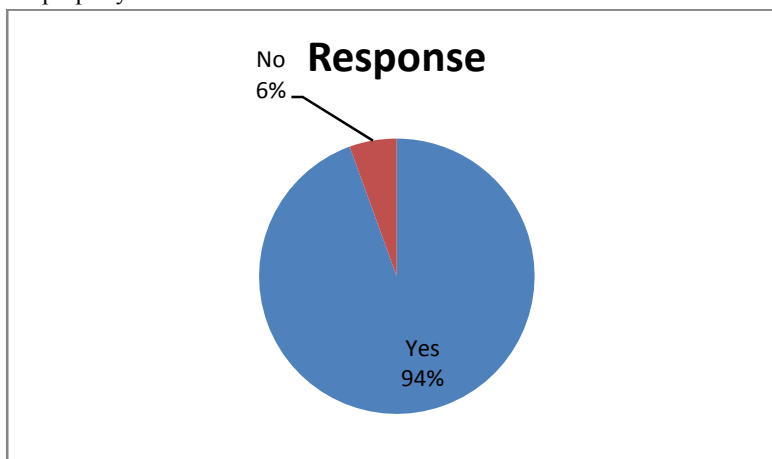
I like P.T, music, drawing, periods in Offline School.



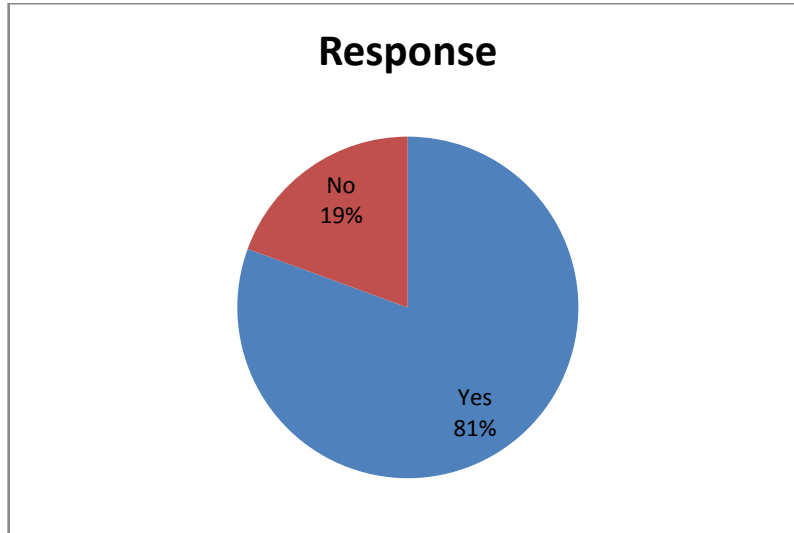
I face difficulty in completing notes.



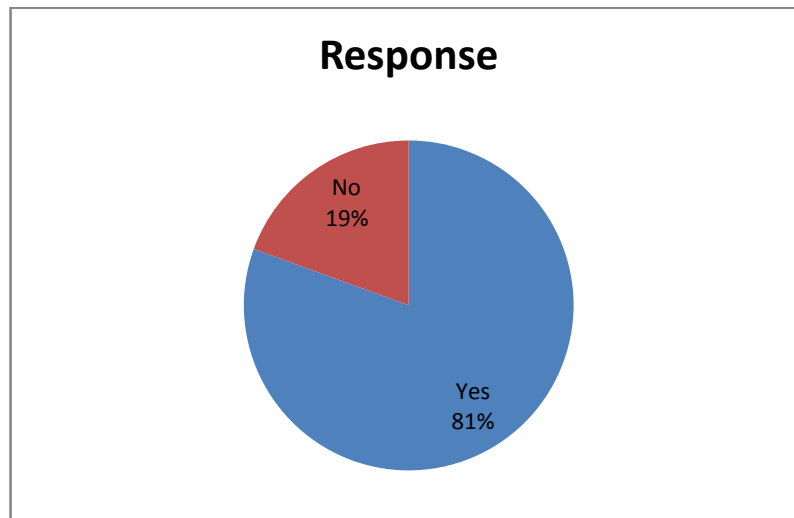
I can write offline exam properly.



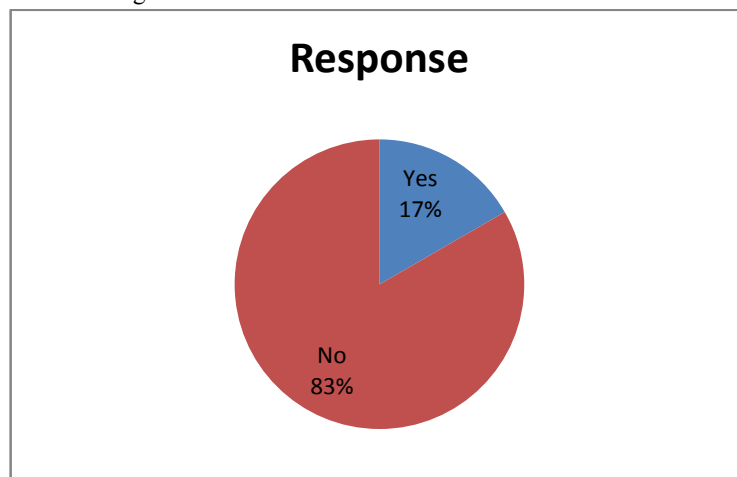
I feel my problems in studies are best solved by teacher in offline class.



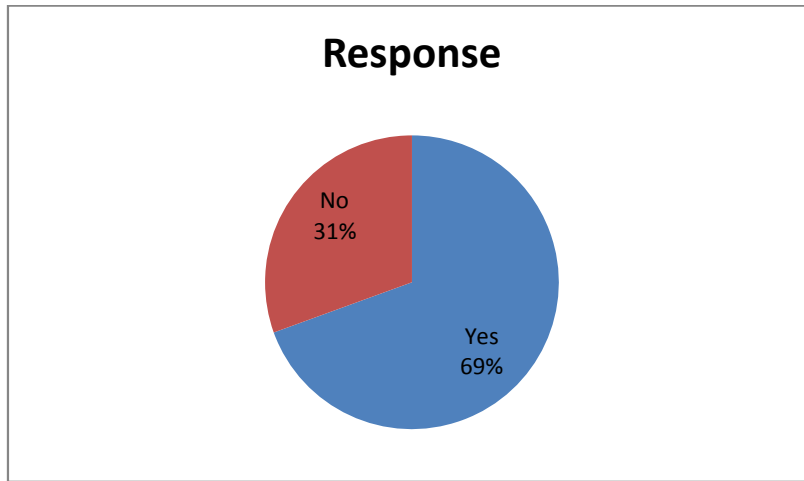
I am more attentive in offline class.



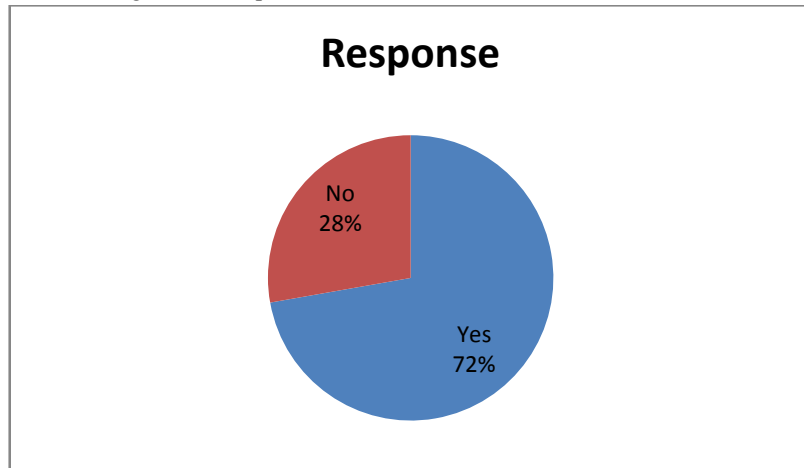
I feel online class is more interesting.



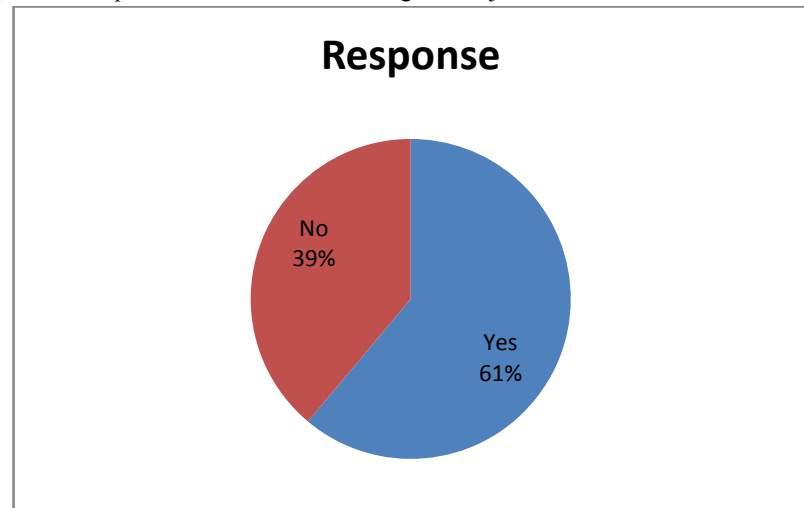
Sometimes due to network issue, I was not able to attend the online lectures.



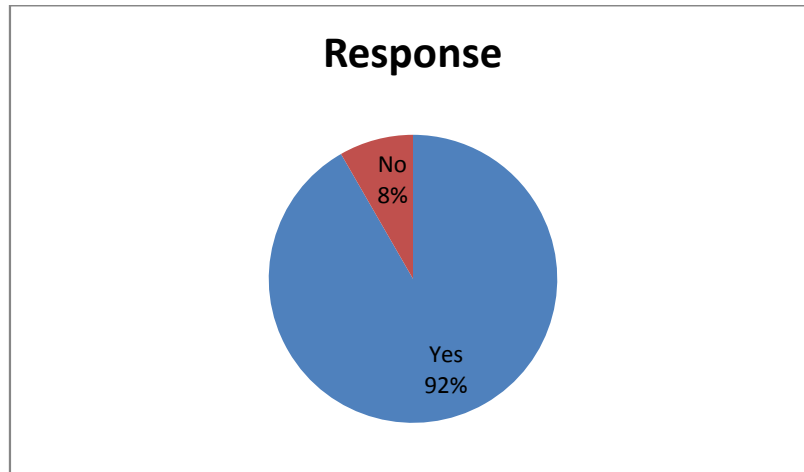
I faced difficulties while learning new concepts in online class.



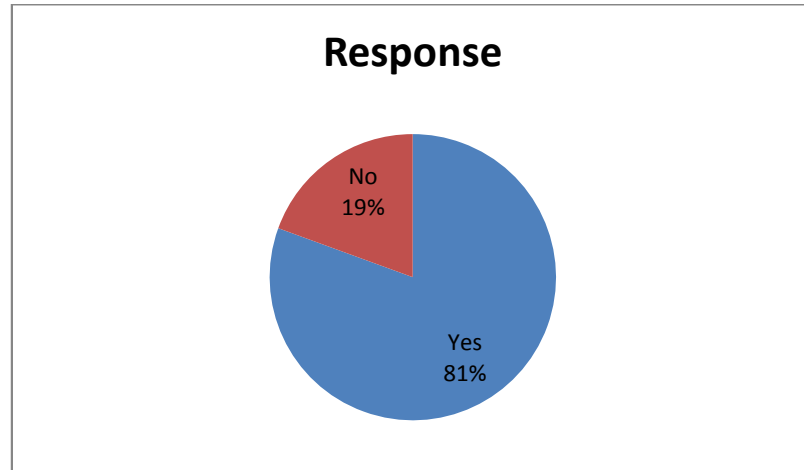
Animations, PPT's, videos helped me a lot in understanding the subject.



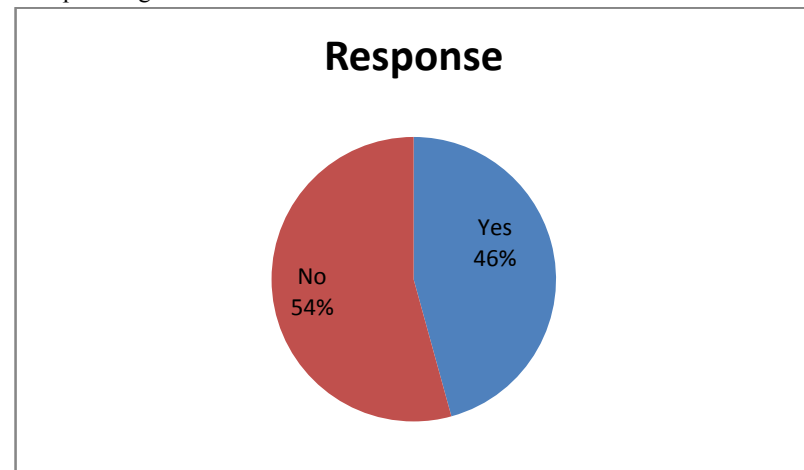
I found a lot of disturbances in online class.



I put my camera off in online class.

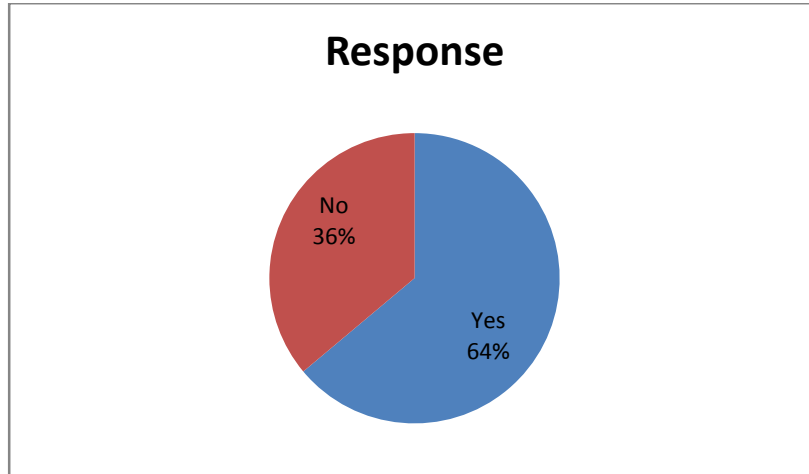


I face difficulties while uploading the homework.

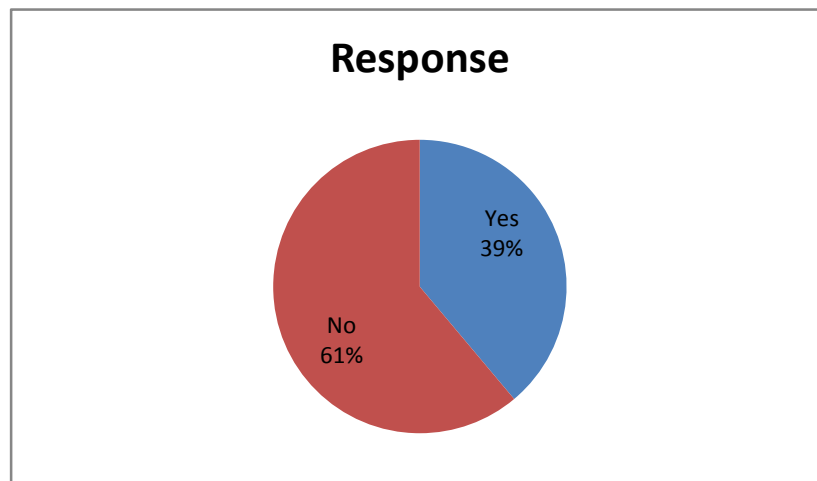


Taking screenshots of the slides was much easier than copying from the black board.

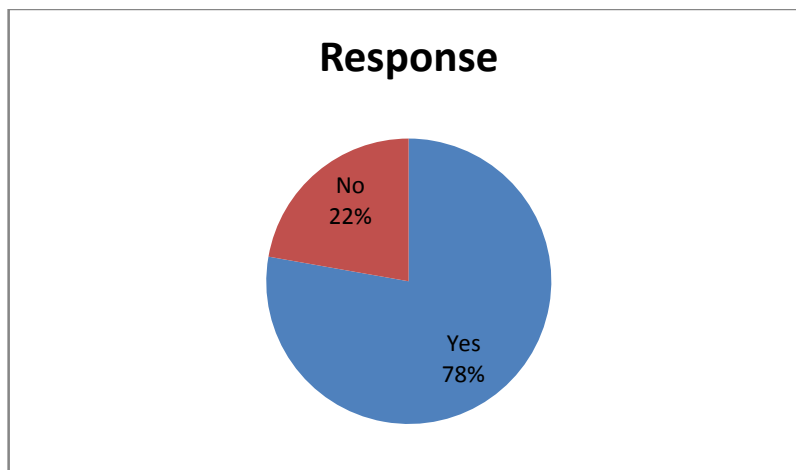




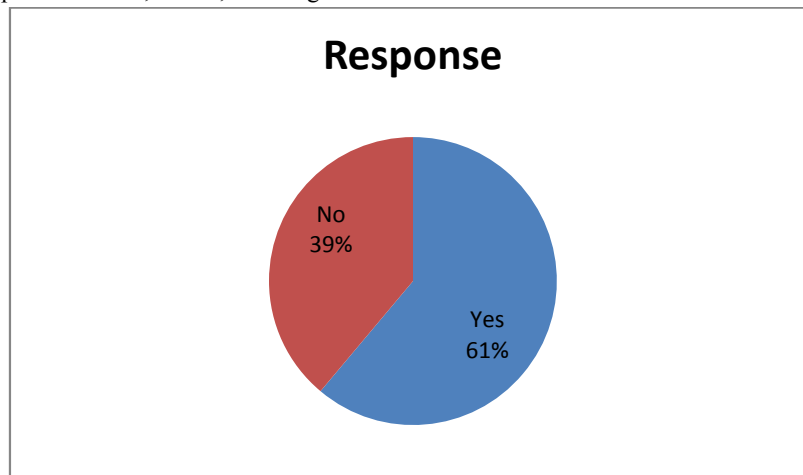
I got personal attention from teachers in online classes.



I find an online exam is easier than offline exam.



I missed attending periods of P.T, Music, Drawing in online class.



**Interpretation**

After the analysis of the survey I found that for,

- Q1. 86% students say Yes while 14% student say No. There is more number of students inclined offline school.
- Q2. 89% students say Yes while 11% student say No. There is more number of students inclined offline school.
- Q3. 89% students say Yes while 11% student say No. There is more number of students inclined offline school.
- Q4. 42% students say Yes while 58% student say No. There is less number of students inclined offline school.
- Q5. 94% students say Yes while 6% student say No. There is more number of students inclined offline school.
- Q6. 82% students say Yes while 18% student say No. There is more number of students inclined offline school.
- Q7. 94% students say Yes while 6% student say No. There is more number of students inclined offline school.
- Q8. 81% students say Yes while 19% student say No. There is more number of students inclined offline school.
- Q9. 81% students say Yes while 19% student say No. There is more number of students inclined offline school.
- Q10. 17% students say Yes while 83% student say No. There is less number of students inclined offline school.
- Q11. 69% students say Yes while 31% student say No. There is more number of student's inclined online school.
- Q12. 72% students say Yes while 28% student say No. There is more number of students' inclined online school.
- Q13. 61% students say Yes while 39% student say No. There is more number of students' inclined online school.
- Q14. 92% students say Yes while 8% student say No. There is more number of student's inclined online school.
- Q15. 81% students say Yes while 19% student say No. There is more number of student's inclined online school.
- Q16. 46% students say Yes while 54% student say No. There are less number of students inclined online school.
- Q17. 64% students say Yes while 36% student say No. There are more number of students inclined online school.
- Q18. 39% students say Yes while 61% student say No. There are less number of students inclined online school.
- Q19. 78% students say Yes while 22% student say No. There are more number of students inclined online school.
- Q20. 61% students say Yes while 39% student say No. There are more number of students inclined online school.

**II. CONCLUSION**

Based on my observations, it appears that a larger number of students show a preference for traditional offline learning over online alternatives. Students tend to derive more enjoyment from offline learning experiences, often valuing the companionship of their peers. It is generally acknowledged that offline courses have a long-standing tradition and tend to yield better educational outcomes. Moreover, offline classes frequently encourage collaborative projects, facilitating the acquisition of new skills.

Online education seems to lead to increased introversion among students, as their interactions with peers are limited to online communication rather than in-person exchanges.

**Implications:**

In my view, offline education surpasses online education in several aspects. It offers students a holistic experience, encompassing not just knowledge acquisition but also practical experience, social exposure, and the full spectrum of school and college life.

While online learning is more convenient, it may not fulfill all the criteria that offline learning can meet. Although offline education can be expensive, online education provides a more cost-effective alternative.

**Suggestions:**

- \* Consider monitoring and fostering a playful learning approach for children, as practical experiences are essential, especially for higher-grade students.
- \* Offline classes offer significant advantages, including time and energy savings due to the absence of commuting. This enables students to concentrate more effectively during their classes.
- \* Always remember that learning is a collaborative effort between teachers and students.
- \* Prioritize understanding the background and experiences of each student.
- \* Initiate courses with clearly defined objectives, offering students a clear roadmap for their learning journey.

**BOOKS REFERRED (BIBLIOGRAPHY/WORK CITATIONS)**

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