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A study to assess the attitude towards using mobile phone as an educational tool among 11th and 12th standard students in selected colleges of Pune city

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Abstract
As the technology has improved a lot since years and took a smaller and more intelligent forms. As there is seen rapid development of mobile technologies and linked into education. Where mobile phone offers numerous opportunities to the learners. Most of the students prefer mobile phone learning as it is cost effectiveness, motivation, enhance communication between teachers and students. Mobile phone learning in a subject area to save time and cost, where it depends upon the learner's perception of use of the mobile phones for education purposes.

Mobile learning become a most popular research study in technology. It is the important to find out the impact of mobile phones in education, where students used them frequently. This attitudinal study aims to find out the attitude of the students in education towards which mobile phones used in the climate of learning.it collects all the information about the mobile phones are used for education purpose. Where the mobile phones has lots of educational application that can help them/us to grow more knowledge.

This study we used quantitative approach method where non-experimental exploratory design was used. The study consist of 200 participants which was selected by non-probability convenient sampling technique. The reliability was done on 20 participants and it was found to be reliable. Majority of the samples 50% are from age group of 16years. The results showing Majority of the samples 59.5% are from male students. Majority of the samples 61.5% are from 11th standard. Majority 60.5% of students have highly positive attitude towards using mobile phone as an educational tool. 39% of students have positive attitude towards using mobile phone as an educational tool and 0.50% of students have negative attitude towards using mobile phone as an educational tool. Majority of the samples i.e. 69% of students having average knowledge regarding harmful effects of junk food, 23% of students possess good knowledge and the rest 8% has poor knowledge.

Keywords: attitude towards, mobile phone, educational tool, 11th and 12th standard students

Introduction
As the technology has improved a lot since years and took a smaller and more intelligent forms. As there is seen rapid development of mobile technologies and linked into education. Where mobile phone offers numerous opportunities to the learners. Most of the students prefer mobile phone learning as it is cost effectiveness, motivation, enhance communication between teachers and students.

Mobile phone learning application in a pre-determined subject area to save time and cost, where it depends upon the learner's perception of use of the mobile phones for education purposes. Sitting a point and getting the information on our fingertip about advancement in education field and invention and profit what to use and not to use. Mobile phone increases the motivation between both the co-operative and individual experiences and this gives the opportunities for those individual learners who are not comfortable with formal type of education

The study of mobile phones can be pointed back to 1876 when Alxender Graham Bell created device for communication and exchange of information called Mobile phones or Telephones. Which is spreading vastly in this following years. They have been used for more than 3 decades after this invention. The first generation of mobile devices were invented in 1990, in which the people could only make call and send SMS.

Need of the study

Smart devices, such as mobile phones are the most used technological devices that is used in our daily lifestyles. The mobile phones can be used in various purposes to achieve the different needs. Since, education is the core need of the human beings. Where mobile phones are linked into education. However, it remains to seen that where the mobile phones has impact on learning or not.

Mobile learning become a most popular research study in technology. It is the important to find out the impact of mobile phones in education, where students used them frequently.

This attitudinal study aims to find out the attitude of the students in education towards which mobile phones used in the climate of learning.it collects all the information about the mobile phones are used for education purpose. Where the mobile phones has lots of educational application that can help them/us to grow more knowledge. Mobile phone can facilitate and inspire students learning and creativity while increasing motivation for the education purpose to see the efficiency and productivity of the students when they used mobile phones for the education and learning. Where the mobile phone or devices enables the learner to assess the attitude and gained knowledge practically and on the spot.

Objective of study

1) To assess the attitude towards using mobile phone as an educational tool among 11th and 12th standard students.
2) To associate the findings with selected demographic variables.

Research Methodology
Research approach

Quantitative approach was used in this study
↓
Research design
Non- Experimental exploratory research design
↓
Settings
study was conducted in 11th and 12th standard students in selected colleges of Pune city
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Target population
the population of the present study comprises 11th and 12th standard students in selected colleges of Pune city
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Sample
Selected 11th and 12th standard students in selected colleges of Pune city
↓
Sampling technique – non- probability convenient sampling technique
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Sample size is 200
↓
Tool for data collection
Informed Consent form
Section: A It includes demographic data that consist Age, Gender, Education,
Section: B It includes self-structured questionnaires that consist of 20 items.
↓
Analysis of the data
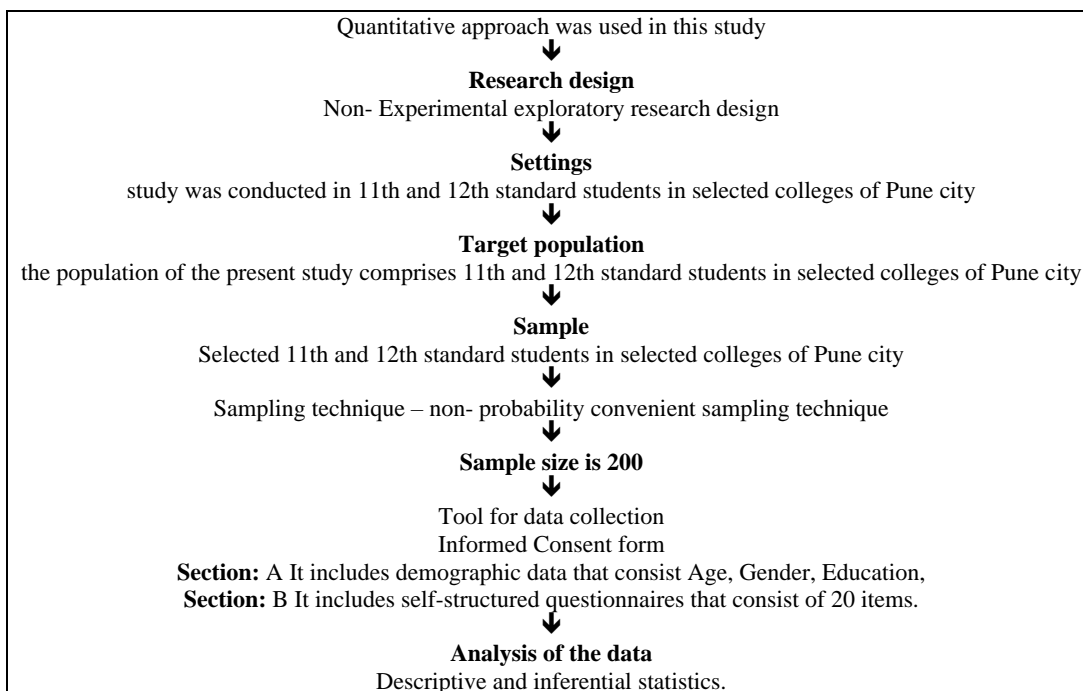Descriptive and inferential statistics.

Fig 1: Schematic representation of the Research methodology

Data collecting process

- The permission was granted by the Principal of the college.
- The sample was selected according to the criteria.
- The consent was taken from the selected samples.
- Tool was distributed among the selected samples.
- The sample size was 200.
- The instructions were given to the selected samples.
- After 15-20 minutes, the questionnaires were collected back.
- The knowledge of the sample was assessed using answer key.
- Documentation and analysis.

Data analysis

Analysis is the process of categories, ordering, manipulation, and summarizing of data to be obtain answer to research question. The purpose of the analysis is to reduce data to an intelligible and interpretable f1orm so that the relation of research problem be studied and tested.

Table 1: Students attitude towards use of mobile phone as an educational tool

n= 200

Level of Attitude	Frequency (F)	Percentage (%)
Highly positive (76-100)	121	60.50%
Positive (51-75)	78	39%
Negative (26-50)	01	0.50%
Highly negative (1-25)	00	00%

Table shows: Above table shows that, 60.50% of students are have highly positive attitude towards use of mobile phone as an educational tool. 39% of students are have positive attitude towards use of mobile phone as an educational tool. 0.50% of students are having negative attitude towards use of mobile phone as an educational tool. 0% of students are having highly negative attitude towards using mobile phone as an educational tool.

Conclusion

The researcher conducted a study to assess the attitude towards using mobile phone as an educational tool among

11th and 12th standard students in selected colleges of Pune city.

In this study it found that, 60.5% of students have highly positive attitude, 39% of students have positive attitude, 0.50% of students have negative attitude towards using mobile phone as an educational tool. Data were collected using self-structured questionnaire and analysed by using frequency, median, standard deviation, percentage.

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