

# **“An Empirical Study on Perception of Students Towards Digital Mode Used by Faculties in Teaching with Reference to Anand City”**

*Mayur Rao\**

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## **ABSTRACT**

*Education is such a segment where the resources to teach matters a lot, the quality of lectures depends upon the ultimate knowledge and explanation power of lecturers and the resources used by faculty. Traditional approach of teaching calls out the usage of chalk and talk, while as and when technology has widespread its wings, resources like projectors, online test, online webinars etc. has become part of modern teaching resources. Today is the age of digitization, where every traditional approach is getting converted into digital approach, every industry is recognizing the digital need and making its way out on digital platforms, why not education field lags behind. The present paper is about students views on the usage of digital resources by faculties in teaching. It focuses on the types of digital resources, most effective one and issues in usage of digital resources.*

**Keywords:** *Education; Chalk and talk; Digitization; Digital resources.*

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## **1.0 Introduction**

The Education Industry assumes paramount importance as it prepares the candidates which are going to be accommodated in the Industry / Corporate. In today's age of the digitalization, teaching and learning both are integrated with digital resources. Biggest source of learning has been GOOGLE today, where you can learn and share information related to current market, sports, politics, history, space, science, commerce etc. The information available is simply on one click for resource person and even for students.

Students who used to submit the assignments handwritten, are now submitting the same in soft copies with the use of computers. This has made huge difference in approach, ultimately it saves time and the resources stand more effective for either of them for learning or teaching.

### **1.1. Objectives of the study**

- To know the major purpose behind using digital modes.
- To analyse the preference of students about the most effective digital mode
- To identify the problems faced by students for usage of digital resources
- To study the perception of students about the use of digital modesty faculties in teaching

## **2.0 Literature Review**

In the area of Digital Resources, many research study is done and that has become a base for the present paper.

Thanuskodi and Ravi (2010) analyzed the usage of digital resources in university located at Tirunelveli. They found that majority of resources persons were aware about the digital resources to be used and they are learning by self-study to explore more about the skills needed for their usage of various digital resources.

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*\*Assistant Professor, Department of Faculty of Management Studies- MBA, Parul University, Vadodra, Gujarat, India. (Email: rao.mayur28@gmail.com)*

Asemi and Reyahiniya (2011) focused on the awareness and use of digital resources in the libraries of Isfahan University of Medical Science, Iran. They found that the majority of the students is aware of digital databases and resources of library.

Maher et.al (2012) focused on the Australian primary school teachers to identify the usage of digital resources. It was found that, flipchart software is used in lesson delivery, even the multimedia resources are used. It also covered the factors affecting them for selection of resources. Interactive white boards were found to be increasing in primary classrooms.

Majula and Padmamma (2016) focused on conceptual fundamental of digital resource and explained the information and practice for the usage of digital resources, majorly used digital resources, the determination of using digital resources and level of satisfaction about the library digital resources. They found half of the respondents were aware about the digital resources and they were satisfied with library digital resources.

Alamelu et.al (2018) discovers various university students 'perception and attitude towards digital learning and how digital information improves students 'knowledge. The study was conducted in a private university having faculty of engineering, law and management courses. It was determined that the private academic universities are well equipped with ICT tools and inspire students to learn through various resources. it was concluded that the with updated syllabus and proper usage of digital content, it helps for far better evaluation and learning among the millennial digital learners as they were positively correlated.

### 3.0 Research Methodology

The Paper is about the education segment, where in the students' views are taken about the digital modes used by faculties. The study was conducted in Anand city with sample size 100. The sampling element were all the UG and PG students. The data collection was done through survey method under descriptive research design with the non-probability convenient sampling method. The structured questionnaire was used which covered the nominal and likert scales questions about perception towards digital modes in the section I, while it covered demographic variables in section II

### 4.0. Analysis and Discussion

**Table 1: Frequency Analysis**

| a. | Nominal Variables   | Yes | No |
|----|---|-----|----|
| 1  | Digital Resources can replace the Print form of Resources | 49  | 51 |

Source: Computed by author

**Table 2: Kinds of Digital modes used by Faculties**

|                             |    |
|-----------------------------|----|
| Graphic Images              | 25 |
| Audio clips                 | 15 |
| Video clips                 | 43 |
| Animations                  | 5  |
| Online Tests                | 60 |
| E- Books                    | 20 |
| Power Point Presentations   | 82 |
| Projectors                  | 70 |
| Others                      | 2  |
| No use of Digital Resources | 0  |

Source: Computed by author

**Table 3: Purpose of using Digital modes**

|                     |    |
|---------------------|----|
| Research            | 42 |
| Articles            | 22 |
| Current updates     | 30 |
| Information Sharing | 55 |
| Others              | 14 |

Source: Computed by author

**Table 4: Problems faced in use of Digital modes**

|                                     |    |
|-------------------------------------|----|
| Lack of Awareness                   | 5  |
| Slow pace of Internet               | 65 |
| Complexities in downloading files   | 38 |
| Uncomfortable                       | 25 |
| Unable to find relevant information | 10 |
| Others                              | 3  |

Source: Computed by author

**Table 5: Faculty should prefer**

|                          |    |
|--------------------------|----|
| Chalk & Talk             | 35 |
| Use of Digital Resources | 55 |
| Both                     | 10 |

Source: Computed by author

**Mean Age – 22.5 Years**

**Table 6: Education Back ground**

| Graduate | Post Graduate  |           |                  |
|----------|----------------|-----------|------------------|
| 48       | 52             |           |                  |
|          | <b>Finance</b> | <b>HR</b> | <b>Marketing</b> |
|          | 15             | 18        | 17               |

Source: Computed by author

**Table 7: Analysis of Perception towards use of modes by faculties**

| View on use of Digital modes by faculties  | N   | Mean |
|--|-----|------|
| I frequently use digital resources for learning concepts                                     | 100 | 4.3  |
| Digital Resources are very costly to use   | 100 | 2.9  |
| Print version is better than Digital version   | 100 | 2.6  |
| Use of digital resources saves lots of time  | 100 | 4.6  |
| I am able to learn/ understand more effectively when digital resources are used by faculties | 100 | 3.2  |
| Use of digital resources can be considered need of an hour                                   | 100 | 3.9  |

Source: Computed by author

From the above Table, it may be observed that majority mean values are more than 3, that shows the agreement towards statements.

**Table 8: Ranking of Digital Resources as per their effectiveness**

|                              | Rank |
|------------------------------|------|
| 1. Video Clips               | 2    |
| 2. Power Point Presentations | 1    |
| 3. E- Books                  | 4    |
| 4. Audio Clips               | 5    |
| 5. Images & Animations       | 3    |

Source: Computed by author

From the above Table, it was found that, students find Power Point Presentation to be the most effective digital mode used by faculties, followed by video clips and least effective is Audio Clips

**Table 9: Hypothesis Testing**

| Sr. No.        | Hypothesis   | Test               | Sign. Value | Result       |
|----------------|--|--------------------|-------------|--------------|
| H <sub>1</sub> | There is no significant difference between Perception towards use of Digital modes Educational Background of students                        | Independent t Test | 0.67        | Not Rejected |
| H <sub>2</sub> | There is no significant difference between Perception towards use of Digital Resources in teaching & learning and Specialization of students | ANOVA              | 0.509       | Not Rejected |

Source: Computed by author

From the above Table, it can be interpreted from Independent Test, that the significant value is more than 0.05, so hypothesis is not rejected and hence proved that there is no significant difference between Perception towards use of Digital modes and Educational Background of students

From the above Table, it can be interpreted from ANOVA, that the significant value is more than 0.05, so hypothesis is not rejected and hence proved that there is no significant difference between Perception towards use of Digital modes and Specialization of students.

## 5.0 Findings

- Mean Age of students was 22.5 Years
- 48 were post Graduate and 52 were under Graduate students
- Out of PG students, 13 were from finance, 18 were from HR and 17 were from Marketing.
- Majority of students i. e 51 disagrees Digital Resources can replace the Print form of Resources
- Considering the kinds of Digital Resources used by faculties it is found that the Power Point Presentations (82) is highest in usage followed by Projectors (70) and online test (60)
- Purpose of using digital resources covers the highest information sharing (55), followed by Research (42)
- Majority of students believe that, they are facing slow pace of internet (65), followed by complexities in downloading files (38) and least was for Lack of awareness (5), under the problems in usage of modes
- Highest 55 students want their faculties to use digital modes and 35 for chalk & talk approach both.
- Students find Power Point Presentation to be the most effective digital mode in teaching, followed by Video Clip and least effective is Audio clip as per the rank given by respondents.

- There is no significant difference between Perception towards use of Digital modes and Educational Background of students
- There is no significant difference between Perception towards use of Digital modes and Specialization of students.

## 6.0 Conclusion

Digital resources assume paramount importance in education industry. It can be concluded that, students believe the usage of digital modes should be preferred by faculties, while it cannot replace the print mode. The most effective digital resource is use of PPT. Majority of students agrees use of digital modes saves time. The views of students with different education as well as specialization towards usage of digital mode does not differ significantly. Overall, the study concludes with assuming students want the faculty to use digital modes but also believe chalk and talk can't be replaced considering the views.

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