

**CHAPTER – IV**  
**ANALYSIS, INTERPRETATION**  
**AND RESULTS**

## CHAPTER IV

### ANALYSIS, INTERPRETATION AND RESULTS

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#### 4.1 INTRODUCTION

Raw data is no-count while not analysis. This study to illustrated students perceptions concerning solely on-line learning through the E-learning platforms. Before the pandemic at school teaching learning education system, the employment of E-learning platforms was scarce, few academics were victimisation the platform and that they were principally victimisation its basic functions like uploading course material. The pandemic stunned most of the academics however additionally students, World Health Organization were terribly unacquainted on-line learning platforms, by forcing them to manoeuvre {in adoring aim an exceedingly in a terribly} very short time from ancient learning to solely on-line learning. So conducted {an online web an internet} form so as to look at student's perceptions concerning the power of faculty to supply data within the context solely online learning to their expertise towards online learning.

However valid reliable and adequate the information is also it doesn't serve any worthy purpose unless it's fastidiously altered, consistently classified and tabulated, scientifically analysed taken and rationally complete. Sensible analysis is characterised by what care has taken within the analysis and interpretation of knowledge once content full and depth answer to the analysis question of data users.

Analysis of knowledge suggests that finding out the tabulated material so as to work out inherent facts or factors in easy elements and golf shot the elements along in new arrangements for the aim of interpretation. the method of interpretation is actually one in every of the stating the result finding show that given objective wherever on-line learning in positive perspective and additionally facing drawback by the scholars whole information interpretation study can gift. This half is that the heart of the

analysis. It necessitate a vital examination of the results of one's analysis in lightweight of all the restrictions of the information gathering.

Interpretation of knowledge refers thereto necessary a part of the investigator, that is related to the drawing of logical thinking from the collected facts once Associate in Nursing analytic study. It's extraordinarily helpful and necessary a part of the study as a result of it makes doable the employment of collected information. Applied math facts by themselves don't have any utility. It's the interpretation that produces it doable for North American nation to utilize collected information in varied fields of activity. The utility of the collected information lies in its correct interpretation. It provides sure conclusion regarding the matter beneath study. Statistics could be a body of mathematical techniques or processes for gathering, organizing, analysing and decoding numerical information.

Keeping the objectives of the study visible, the information was collected and taken one by one. This chapter includes the analysis and interpretation of knowledge collected for the study from Demonstration Multipurpose School in Bhopal.

## **4.2 Data Analysis and Interpretations**

This part of the study deals with the analysis, presentation and interpretation of data. Since the study main objective is to find out the positive side of online learning during pandemic and the difficulties face by students hue to the online learning. The investigator for deriving conclusions does qualitative analysis of data.

The investigator collected data from the self-made Questionnaire five point scale test. The obtained data is presented in tabular form below and is interpreted accordingly. The data is presented, analysed and interpreted according to objectives of the study as follows-

**Objective 1:** To study the positive side of Online Learning during COVID -19 pandemic.

In Questionnaire five point scale test was prepared in Google form in that 20 question related to objective according as students perspective prepared. That whole questionnaire was asked them to analyses there effective knowledge about new methods of online learning platforms.

There five points are given for analysis. They are “1.Strongly Disagree 2. Disagree, 3. Neither Agree nor Disagree, 4.Disagree, 5.Strongly Agree” given in Questionnaire to fill their experience about online learning process during pandemic.

This test was administered in one schools. In this schools class 9<sup>th</sup> and 10<sup>th</sup> students were participated. The data collected from Demonstration Multipurpose School in secondary class students, there total 60 candidates were participated along with questionnaire 20 item. In positive data collection was marked as ‘5 mark to 1 mark’ which was given Strongly Agree to Strongly Disagree. There for data analysis calculation complete by given parameter. Those students are marked positive that will obtained ‘5’mark for each question and those are given ‘1’that was calculated Negative mark for each question.

Statement are scored and their average score were calculated based on the obtained number, the students were categorized as having positive data moderated data and negative data as stated below.

- The students whose average score falls between 3.5 and 5 are categorized as having positive side towards online learning during pandemic
- The students whose average score falls between 2.5 to 3.4 are categorized as having moderate side towards online learning during pandemic
- The students whose average score falls between 1 to 2.4 are categorized as having moderate side towards online learning during pandemic.



Table 1-All students given data is shown in table 4.1.

S.No	STATEMENT	All Score	Average
1	Positive Item	175.5	7.468
2	Moderate Item	58.15	5.815
3	Negative Item	5.75	2.875

From the above table it can be deduced that-

1. The students were marked more for Positive data, that average score is highest (7.468).
2. The students were marked for moderated data ,that average score is (5.815)
3. The students were marked very less numbers as Negative data (2.8).

Thus, it can be concluded that the Online learning class during pandemic get positive response. Getting moderate data also therefor some students are still facing some problems while taking online class but according there need online class are useful for the students.

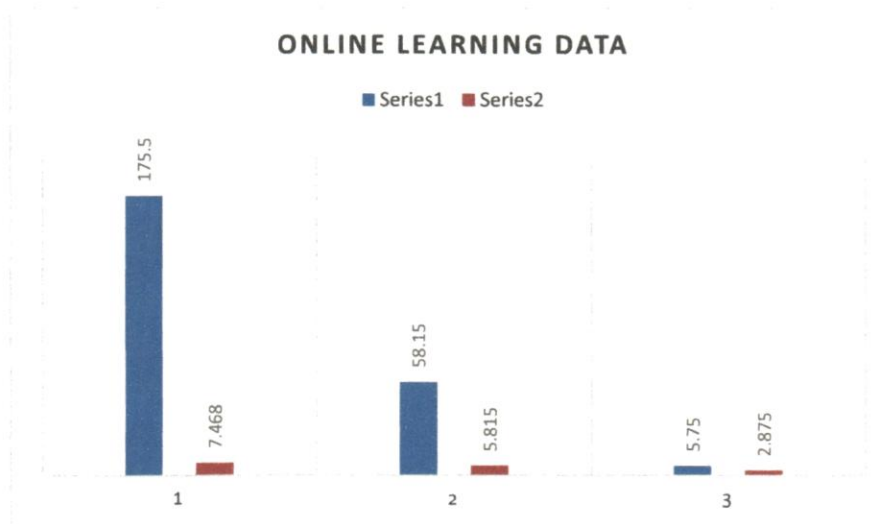


Figure 4.1 – In this graph all collected online learning data are presented.

**Objective 2:** To study the difficulties face by students due to the introduction of online learning during pandemic

There five points are given for analysis. They are “1. Strongly Agree 2. Agree, 3. Neither Agree nor Disagree, 4. Disagree, 5.Strongly Disagree”

given in Questionnaire to fill their experience about online learning process during pandemic.

Students are facing difficulties data collection was marked as '5 mark to 1 mark' which was given Strongly Disagree to Strongly Agree. There for data analysis calculation complete by given parameter. Those students are marked Strongly Disagree that will obtained '5' mark for each question and those are given '1' that was calculated Strongly Agree as mark for each question.

Statement are scored and their average score were calculated based on the obtained number, the students were categorized as having total score data and negative data as stated below.

- The students whose average score falls between 3.5 and 5 are categorized as having positive side towards online learning during pandemic
- The students whose average score falls between 2.5 to 3.4 are categorized as having moderate side towards online learning during pandemic
- The students whose average score falls between 1 to 2.4 are categorized as having moderate side towards online learning during pandemic.

Table 2- All students given data is shown in table 4.2.

S.No	STATEMENT	Score	Average
1	Mark Obtained data	1233	205.21
2	Strongly Disagree data	1204	6.72

From the above table it can be deduced that-

1. The students were obtained total Strongly Disagree score 1233, that average score (40.4).
2. The students were marked Strongly Disagree data average score is (6.72).

Thus, it concluded that the study of difficulties face by students in online learning during pandemic that survey reports is effective. In this study students marked strongly disagree data which average is 6.72, for this we

can say that students are adopted online learning platform to get the knowledge in this pandemic situation.

As we can see no more negative attitude possess by the students during online learning. While study we know that they are facing some problem but here way of learning is one so that students are learning new methods.

Thus, we have a tendency to believe that these challenges and drawbacks may be a lot of distinguished whereas the E-learning platform offer many advantages to learners such as control over the content, control over the time spent learning and thus the process can be adapted according to the learner needs and objectives of learning. This might contribute to better communication with the students and spite of some inherent challenges brought by this time of crisis, E-learning might enhance to learning process for students.