

Chapter 5

Summary, Findings and Suggestions

5.1 Introduction

This chapter includes a brief summary of the study, major findings and conclusions drawn from the various analyses along with the suggestion for further research on related area have also been outlined. The present study tried to investigate the mostly used tools/applications and their user-friendliness in teaching Mathematics online.

5.2 Statement of the problem

User Friendliness of E-Learning Tools/Applications in teaching Mathematics Online: A Study

5.3 Objectives

- To know the tools/applications mostly used by the teachers for teaching mathematics online
- To analyse the user friendliness of the different e-learning tools/applications in teaching mathematics online

5.4 Methods of the study

Descriptive Survey Method

5.5 Sample of the study

40 Random Mathematics teachers from different parts of the country were selected with the help of Snowball Sampling Technique.

5.6 Tool used for the study

A self made questionnaire for mathematics teachers

5.7 Delimitations of the study

The study is subjected to the following limitations-

- The study was confined to the COVID-19 pandemic 1st year of online teaching experience in Schools (2020-2021)
- The study was conducted on 40 Mathematics Teachers only

5.8 Major findings of the study

It is found that most of the teachers are using Google made and Microsoft made tools/Applications for teaching and assessing Mathematics online. These two are the most trustworthy and user friendly platforms for Indians. Another Application is Whatsapp, which is used by most of the teachers for different purposes and it is found to be the easiest to use.

5.9 Suggestions for Teachers

- Keep practicing a tool/application till you do not find it easy to use. As Mathematics seems easy after a good practice, similarly any technology seems easier after it is in a good use/practice. The more it is used the easier it seems. Hence more user friendly it is.
- As shown in the study, most of the teachers are using Textbooks for content development, so instead of hard copies, one can also use the e-textbooks which are easily available online on NCERT or e-pathshala applications.

5.10 Suggestions for further studies:

- The study was conducted on Mathematics Teachers. A similar study can be conducted on different subject teachers. Also a similar study can be conducted on the learners of different Grades, to learn their understanding and usability issues of the e-learning tools/applications.
- A study on parents' views can be conducted about the issues related to the e-learning tools/applications and Online Teaching-Learning that they are observing at their homes and regarding the downloaded tools/applications in their devices for their children.

5.11 Conclusion

It can be concluded that most of the teachers are using Google made and Microsoft made tools/Applications for teaching Mathematics and assessing the learners online, which might be because we, Indians, are using MS Office and Google made tools/applications from a very long time. These two are the most trustworthy and user friendly platforms for Indians. Whatsapp is another application that is used by most of the teachers for Content distribution, doubt sessions and collecting Assignments. This is very easy to use according to more than 80% of the teachers. The reason behind this might be the long term use of the application by almost every SmartPhone user. Whatsapp is used by maximum people since last 7-8 years and working on the application that is in use from such a long time make it user friendly on its own.