

CHAPTER V
SUMMARY, FINDINGS
AND SUGGESTIONS

CHAPTER 5

SUMMARY, FINDINGS AND SUGGESTIONOS

5.1 Introduction

This chapter includes a brief summary of the study, findings and conclusions drawn from various analyses along with the suggestion for further research on related area have also been outlined.

The present study tried to investigate the study of SWOT Analysis of online teaching and learning from teachers' perspectives.

5.2 Statement of the problem

In view of the above discussion, the problem under study is stated as “**SWOT Analysis of Online Teaching and Learning: Teachers' perspective**”.

5.3 Objectives of the study

1. To determine the various online platforms and method used by teacher in online teaching and learning.
2. To determine the perception of teachers towards online teaching and learning.
3. To do SWOT Analysis of online teaching and learning.

5.4 Delimitations of the study

1. This study was confined only to East Khasi Hills District, Meghalaya.
2. This study was delimited only to 60 teachers from both private and government school.
3. This study was delimited only to upper primary and secondary teachers as the target of the sample.

5.5 Sample of the Study

Applying the random sampling technique, 60 teachers was selected as the sample for the study.

5.6 Tools Used for the Study

A self-made questionnaire tools was used for the present study.

5.7 Major findings

- The highest percentage of platforms used by teacher in online teaching and learning was Google Meet (41.7%).
- The highest percentage of methods used by teacher in online teaching and learning was online discussion (38.3%).
- Majority of the teachers (88.3%) felt that online teaching learning is best suited option during pandemic situations, 76.7% would like to have proper guidance /training on online teaching learning, 78.3% felt themselves more skilled for preparation and using variety of teaching learning materials due to online teaching and learning, 85% responded that online teaching learning can provide lifelong learning.
- Difficulties faced by majority of teachers in online teaching learning were difficult in expressing the effective contents to the students, home environment, difficult without getting the attention of the students to manage the class, students do not have interest in attending online class, difficult in planning and designing interest activities that attract students interest, difficult to adopt new teaching methods that are completely virtual and technology-driven.
- The strengths of online teaching and learning are it is convenient and flexible, easy access to variety of resources, easy and quick in sharing reading materials, saves time and money.
- The weaknesses of online teaching and learning are poor connectivity, lack of communication and interaction, difficult to reach students in rural areas, not able to get immediate feedback, difficult to observe learners understanding, difficult to teach practical subjects, difficult to manage time, highly dependent on technology.
- The opportunities of online teaching and learning are it is providing opportunity for innovations, strengthening skills, allows an effective collaboration and no requirement of formalities.
- The threats/challenges of online teaching and learning are it affect eyes and overall health, distraction, students avoid communication, lack of motivation, assess students' learning and lack of electronic gadgets.

5.8 Discussion

- Learning could not stop due to online teaching learning, teachers are able to teach students from home through various online platforms and various methods.
- Though Covid-19 has not given much time to prepare for it but teachers are ready to accept online teaching learning.
- Online teaching learning is convenient and flexible in time and space because it can access from anywhere and anytime.
- Due to availability of multiple online resources and open source tools and applications, teachers as well as learners are able to access to these resources.
- Without strong access of electricity and internet connectivity online classes cannot think Internet availability and stability, as well as internet-connected devices such as laptops and smartphones are the two most crucial elements in online teaching and learning. Thus, without proper internet and devices, the lesson cannot take place.
- Without technology, online class can never be possible because only through technology that teachers could connect with the students.
- In a country like India where most of the population are living in rural areas, teachers find difficult to reach out to students from rural area hence they felt left out because they cannot access to online learning.
- Time management is one of the challenge that teachers faced to manage online teaching and learning. It is not an easy task for the teachers to manage the time effectively because of many reasons such as poor internet connection from both students and teachers side.
- At the time of teaching from home, the teachers are not entirely free from family jobs, therefore they can't fully concentrate on class. The environment at home is not the same as an educational institution. Even during the class hours teachers face challenges of family job.
- Online teaching lacks face to face interaction. Some students did not mute themselves even if they asked to do so because most of the students are addicted to various types of games, chatting, and different types of video even during the class hours. Many students avoid classes and engage in entertainment. So most of the teachers would have faced the challenges in conversation. And also there are students who avoid communication with teachers during online learning. Online teaching is like

communicating without body language, so students might misunderstand and can result in their poor performance.

- Teaching online may not influence and engage students for longer periods of time. Teachers found that students are not interested to attend online class because they lack self-motivation.
- Authentic assessments and timely feedback are essential components of learning. This is very challenging for most of the teachers in online teaching learning.

5.9 Educational implications

- The education system must be ready to embrace online teaching learning before another disaster strikes in the future. Though online teaching learning may not be a permanent option to replace traditional one, but it is a necessity during any pandemic situations. Therefore, merging of online and offline teaching learning practices in the form of blended mode may be fruitful alternatives to achieve the goals of education. Furthermore, blended or hybrid teaching-learning practices concerning conducting both physical/traditional offline and online classes should be implemented wherever possible.
- Though online teaching learning cannot replace traditional classroom teaching but knowing the strength of online teaching learning, teachers should take advantage of it to implement blended mode of teaching and learning, knowing the weakness of online teaching learning, teacher should look for alternative ways to improve those weakness, knowing the opportunities, teacher should take those opportunity even in blended mode, and knowing the threats/challenges, teacher should look for ways to overcome those challenges in the future.
- The increasing use of technology in the field of learning through online teaching learning during Covid-19 has improved the quality of education. This study will help teachers familiarize themselves with using technology and be creative in using learning media in online and offline learning.
- ICT infrastructure must be strengthened in our country to support online teaching as an alternative mode of teaching at the times of crisis.
- Teachers must be provided with detailed guidelines to help them while using online tools/platforms for teaching. Also there is need for professional development of

teachers with emphasis on use of ICT tools in creating, sharing, disseminating content and use of online modes of teaching learning process.

- Internet bandwidth must be sufficient to support the high data rate to enable video streaming leading to effective teaching and learning.
- Digital divide must be taken into consideration as there is some portion of the population which doesn't have access to Internet and digital devices.
- The results of this study would persuade educational institutions and policymakers for enhancing the quality of online teaching with the latest technique of teaching along with the support of government for improving basic infrastructure, Internet connectivity, reducing the digital divide and developing rural areas for making e-learning more successful and widely accepted across India.
- Establishing a structured and user-friendly environment for online mode of education, one that is accessible for all without putting financial burden on students and teachers should be the main criteria in the minds of school management while promoting online education.
- This study will help the teacher level of understanding about online teaching learning and its importance. This study was expected to give proper information about online learning and they can improve this new methodology of teaching considered even after the end of Covid-19 pandemic.
- To motivate online learning - the learning environment should need to be designed in an attractive way and teacher should focus on critical based learning rather than knowledge-based.
- This study will also be helpful for future researcher to work on this related topic.
- This study will be helpful for curriculum planners and educational administrator to facilitate proper curriculum related to online teaching and learning.
- Furthermore, proper technological training for teachers on how to deliver virtual classes should be emphasized, as it has been discovered to be a prerequisite for effective online class adoption and delivery. Government must make available basic infrastructure for online teaching to teachers.
- Government/educational institutions should adopt the policy to provide free internet and free digital gadgets to all learners especially students in rural areas so that teachers can reach to them also.

- Curriculum planners should think of a different way of adopting suitable activities and practical that of virtual one so that it can enhance teaching practical subjects through online mode.
- Management of the educational institution should provide proper training to teachers about learning software which enables them to teach and guide students effectively and efficiently.

5.10 Suggestion for further studies

- The present study can be further extended by taking a large sample to obtain greater reliability of results.
- The sample for present study was conducted only for upper primary and secondary school teachers, further research can be done for college/universities teachers as well.
- In-depth interview and surveys as a tool for data collection is still needed in the future to get better insight into about perception of teachers towards online teaching.
- A longitudinal study on a larger teacher body of both genders is essential to provide more precise findings as the majority of the study participants were female teachers.
- Future work on the present study will need to be more detailed, including qualitative or mixed-methods investigations.
- The present study has investigate SWOT analysis of online teaching learning from teachers perspectives only. Thus, further research can be conducted to compare SWOT analysis of online teaching from both teachers as well as students perspectives.

5.11 Conclusion

This Covid-19 pandemic has totally change the education System. Within a short span of time of lockdown whole education system is ready to shift from classroom teaching to online teaching. Therefore on the bright side, this pandemic has motivated the educational institutions worldwide to upgrade their teaching learning process through online teaching and learning. Online teaching and learning has played a role of bridge between the teachers and students in Covid-19 pandemic. Teachers are trying their level best to cater to the needs of the students through online teaching. This pandemic has given the opportunity to teachers to use information technology in their teaching methodology. However the shift from traditional learning to online learning is quite challenging for teachers as well as students. In this paper, the researcher highlighted

and list the strengths, weaknesses, opportunities and threats/challenges of online teaching and learning through SWOT analysis. Having a clear understanding about the strengths, weaknesses, opportunities and challenges encountered by the teachers can aid in the creation of successful and organized ways for conducting online teaching learning in the future. This SWOT analysis may help to understand the present scenario and practices of online teaching and learning, elicit the problems of online teaching and learning for the effective teaching learning process.