Effectiveness on using Teaching Apps to Enhance Techno based Teaching Skills

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Abstract*: Teaching app is a tool and mode of teaching source to enhance the knowledge and skills in teaching. Teaching skills are preparing suitable lesson plan and delivering the same by adopting appropriate transactional methods, applying the micro teaching skills and its components in appropriate time at the time of teaching. These skills are developed through many sources. Now a day teaching apps is one of the best sources to enhance art of teaching skills. This study focused on to identify the effectiveness of teaching app in enhancing the techno based teaching skills among student teachers studying in the College of Education in Madurai District. The researcher selected Government Aided college student trainees in Madurai District for this research study. The researcher planned to conduct the Pre-test, Post-test and Experimental method for the research. The obtained scores from pre-test and post-test were compared and calculated for statistical analysis. The scores were analyzed with Mean, Standard deviation and suitable statistical techniques. The differences in the post-test mean value is (13.04) was found to be greater than pre-test mean value (10.28). The students teacher gained knowledge in using teaching app to enhance the techno based teaching skills those who are studying in the College of Education through the demo-classes and findings revealed that student teachers are highly motivated and developing their interest in enabling themselves in using teaching app in enhancing the techno based teaching skills.*

Keywords: Teaching app, Techno, Teaching skills, Simple Mind, Text fairy, Pad let, Quizizz, and Gamification.

I. INTRODUCTION

Teaching is a soul. There is no learning without teaching. Teaching enlightening the individuals power of thinking. Learners can learn the information from the teaching. The art of teaching and expressing the teaching skills in an effective way is a challenging task now a day. Students are adopting the active based learning, flipped learning and blended learning. Most of the information was learned by the learners through technological mode. Oceans of information were available in the net resources. Students deeply swim in the internet sources, they can dive and they can also collect variety of information, ideas and knowledge in that ocean. Whatever the information they collected are not absolutely correct, sometimes it went wrong, in that occasion learners need supports and guidance from the teachers. So manage the situation teachers need to develop and enhance their technological based teaching and teaching skills. Numbers of teaching resources are available and that sources will enable the teachers and student teachers to develop their teaching skills in adopting the teaching skills. In this study the researcher interested in identifying the effectiveness on using teaching apps to enhance techno based teaching skills

1.1 Objectives of the Study
- To identify the effectiveness on using teaching apps to enhance techno based teaching kills.
- To check the significant difference between the effectiveness on using teaching apps to enhance techno based teaching skills
- To enhance the usage of teaching apps in techno based teaching skills
- To improve the level of using teaching apps in enhancing the techno based teaching skills

1.2 Hypothesis of the study

- There exists high level of effectiveness on using teaching apps to enhance techno based teaching kills.
- There is no any identification of significant difference between the effectiveness on using teaching apps to enhance techno based teaching skills.
- The student teachers enhancing their usage of different teaching apps in techno based teaching skills
- There exists improvement in the level of using different teaching apps in enhancing the techno based teaching skills
- There is a outcome of significant difference in pre-test and post-test scores of the students
- There will be slightly improvement in the pre-test scores

II. METHODOLOGY

- **Population:** The researcher selected student teachers studying in the Government Aided College of Education in Madurai District for the research study.
- **Sample:** 40 students of male and female student teachers studying in the Government Aided College of Education in Madurai District were taking as sample for analysis.
- **Tools:** The researcher adopted Pre-test, Post-test and Experimental design for the research.

III. ANALYSIS AND INTERPRETATION OF DATA

S. No.	Teaching Apps	Purpose of Using the apps in teaching	Percentage level of using the apps
1	Simple Mind	Creation and construction of Concept Maps	75%
2	Text fairy	Converting the oral text to written text	72%
3	Gamification	Activity Based Teaching and self learning for better understanding	95%
4	Pad let	Collecting and Gathering the students ideas after listening the teaching concepts	85%
5	Quizizz	Evaluating the teaching and learning concepts	80%

IV. DATA COLLECTION AND TABULATION

The collected pre-test and post-test scores were computed by the researcher under SPSS analysis. The collected data from the outcome of experimental procedures the scores were calculated for statistical analysis with Mean, Standard deviation and suitable parametric techniques and statistical techniques.

The scores of pre-test ranges from (6-10) and the score of post-test ranges from (10-18) pre-achievement score of the learners in post-test in better than that of pre-test which is due to the better improvement in the level of using different teaching apps in enhancing the techno based teaching skills .

Table–1 The Mean and Standard deviation of improvement in the level of using different teaching apps in enhancing the techno based teaching skills were calculated for both pre-test and post-test were tabulated below.

S. No.	Name of the Test	N	Mean	SD	"t" value
1	Pre-Test	40	10.28	1.872	
2	Post-Test	40	13.04	1.641	20.15

Table-2 Level of Significance in the improvement in the level of using different teaching apps in enhancing the techno based teaching skills were revealed for both pre-test and post-test were tabulated below.

S .No.	Name of the Test	N	Mean	SD	"t" Value	Significance Level
1	Pre-Test	40	10.28	1.872		
2	Post-Test	40	13.04	1.641	20.15	$P<0.05$

From the above table it revealed that the mean value of the teaching skills in post-test (13.04) was found to be greater than pre-test (10.28). It shows that the development of teaching skills after using the teaching apps and gained knowledge in handling techno based teaching skills and improve the level of teaching in using variety of teaching apps in teaching has been increased by the practice of handling the apps clearly after repeated hands on training with demo classes. The 't' value 20.15 is higher than the tabulated theoretical value (10.28) $p<0.05$ of significance. It shows that the student teachers differ significantly is developing on Pre-test and Post-test.

V. EDUCATIONAL IMPLICATION

- Regular usage of teaching apps helps to develop techno based teaching skills among student teachers.
- Adopting different teaching apps, introducing and explaining new and recent learning apps among the learners and that will improve their subject knowledge.
- Giving continuous practice to make the classroom teaching techno friendly in teaching learning process.
- Making an interest among learners to communicate the concepts and make the students to attain the mastery level.

VI. CONCLUSION

Technology skills are more important to develop techno based teaching skills such as innovative & critical thinking, creativity and problem solving by adopting different teaching apps in the field of teaching. In this Present scenario classroom communication is high tedious tasks for the teachers to share and implanting the ideas through conventions teaching skills. Regular updating and practice of using and handling the techno based applications will enable the teachers to make the teaching learning process easily. The present study revealed that there is an increasing level of effectiveness in enhancing the teaching skills among student teachers in adopting different teaching apps in their teaching. Handling different techno based teaching resources is useful to develop both teaching skills and subject knowledge of the student teachers.

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536