

Microteaching: A Key Concept of Teaching in the Era of Digital Advancement

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Abstract

Improvement of teacher's efficiency or skills is very important for the students as well as the society in 21st century. There are various types of training techniques which helps a teacher to modify his/her culture, behaviour and society. Microteaching is a teacher training technique and it helps teachers to better understand the processes of teaching, learning and provides the opportunity to learn teaching skills. In microteaching, the entire circle is filled in very short time (36 min) and in this skill focuses on only one skill development. There is a circle to complete the microteaching according to that circle the microteaching is down gradually. In this study researchers seek to analyse the concept of microteaching and its history. It also tries to explore the concept of micro-teaching cycle, steps of micro-teaching, micro-teaching laboratory and the importance of micro-teaching for the improvement of teaching skills in the digital era.

Keywords: Micro-teaching, Teaching skills, Teacher, Digital Era.

Introduction:

'Teaching' plays a vital role for the development of any nation as well as society. For the improvement of teaching skill of a teacher, it is much more needed to improve various skills of a teacher. In the era of digital revolution, various skill of teaching helps a teacher to be a great communicator. Upgradation or modification of a teacher behavior is also needed for making teaching-learning process more effective and fruitful. In the era of digital advancement, the role of a teacher is becoming very challenging specially for those who are not sounds in technology. Nowadays it is clearly visible in every stage of teaching and learning that the relationship between teachers and students is different rather than the era when the society were not so advanced in technology. Micro-teaching is one of the important concepts through which this problem can be solved. If the skills of a teacher increase and improve with the demands of the changing society, it will be very much helpful for making the backbone of the society stronger. The art of teaching involves more than just passing along knowledge from one person to another. Instead, it is a complicated process that impacts and enhances the learning process (Remesh, A. 2013). The talents of the twenty-first century can aid in our ability to continuously learn and adapt (Ongardwanich, N. et al 2015). In 21st century the quality of a teacher depends on his class taking technique and understanding of the class by the students. Therefore, it is very necessary for teachers to develop various skills to make the classroom student-friendly. Microteaching helps to develop these skills.

Microteaching is one of the important platforms through which a trainee-teacher can improve his/her various teaching skills. It is a short-term learning process. One circle (36 minutes) is helped for skill development of trainee-teacher. It is a continuous process until the skills are developed. Microteaching is a scale down teaching encounter (Allen & Eve). Because here class size and time are divided into small parts for develop teaching skill.

Objectives of the Study:

The main objectives of the study are-

- To explore the concept and history of microteaching.
- To explore the concept of micro-teaching cycle and the steps of microteaching.
- To find out role of micro-teaching laboratory in the era of digital advancement.
- To explore the importance of micro-teaching for the improvement of teaching skills in this digital era.

Various teaching skill in 21st century:

Teachers need to develop various teaching skill to make a classroom effective. Developing teaching skills will increase teachers' knowledge of teaching and their ability to be effective in classroom. Such skills are developed in teachers during teacher training. Earlier the main focus of education was the teacher. What the teacher said was the final word and the students accept it. The importance of pupils having 21st century abilities has been acknowledged on a global scale. Many academics (Anderson & Krathwohl, 2001; Bandura, 1997) have stressed how important it is for

teachers to be prepared and educated in order to support their students in developing 21st century abilities (Bani-Amer, E. 2022).

In this 21st century, student-based teaching means teachers have to teach like a student. Therefore, it is very important to develop the teaching skills of the teachers in order to impress the teachers as well as the students. Only when teachers develop their teaching skills, teachers understand the need of students and make the classroom effective. Different types of teaching skills observed in 21st century are as follows-

- **Critical Thinking & Divergent Thinking:** A trainee teacher will must have to develop critical thinking and divergent thinking so that he/she could understand how to deal with students in classroom and how to control the class room.
- **Creativity:** Every person has some own being and some own thought through which a person becomes creative. A teacher must be a creative person for making teaching-learning process more effective.
- **Collaboration and Communication:** An ideal teacher should have the qualities of collaboration and communication so that a teacher can inculcate these qualities of student. It is through this collaboration and communication that students learn by working with each other.
- **Technology literacy:** Nowadays technology is improving and all educational systems are becoming technology oriented. So, the teacher trainee needs to have complete knowledge about technology, through which he/she can improve the classroom as well as the country.
- **Leadership:** The main aim of education for any society should be to make the students a good citizen of the future and to develop leadership skill. In the 21st century a person needs to have the ability to leadership. A teacher can build the future of the country in the classroom with the ability of strong leadership.
- **Flexibility:** A teacher should have the qualities to do the work properly for teaching inertia in doing any work.
- **Problem Solving:** As we progress along the path of development, we face various problem. A teacher can help the students to solve the problem, so teachers need to have problem solving skills.
- **Summarization:** Summarization is a special skill, the ability to summarize a subject teacher should process. The teachers must have the skill of summarization through which a topic will be summarized and distributed among the students.
- **Probing Question:** An ideal teacher must have the questioning ability so that the content can be delivered in the classroom in an interactive way.
- **Global Awareness:** A person becomes a conscious citizen only when he/she crosses the borders of the country and reaches the court of the world and becomes aware of the world. A teacher must possess these qualities.
- **Adaptability:** Each and every teacher must have to develop the skills of adaptability. It is much more needed in this technological era.

Developing these teaching skills is essential for 21st century teachers specially in this digital era. As a result, the teaching skills and confidence level among the teachers will increase and ultimately a technological society can be reformed and developed.

Ways to improve teaching skill in 21st century:

There are various feedback devices that help in changing the teacher's behavior. There are called innovations and current practices in teacher education programs. The device that are commonly used are as follows-

- Microteaching.
- Programmed Instruction.
- Interaction Analysis.
- Creativity.
- Reinforcement.
- T- Group Training
- Simulated Social Skill Training (SSST)

Among these various techniques microteaching is one of the most important ways for developing various teaching skills of a teacher in any corner of the globe. It is an innovative technique to improve and change a teachers' behavior. It is very effective process in 21st century as it is scale down encounter process. Also, it is short time process (microteaching circle 36 minutes).

Microteaching:

Concept of Microteaching:

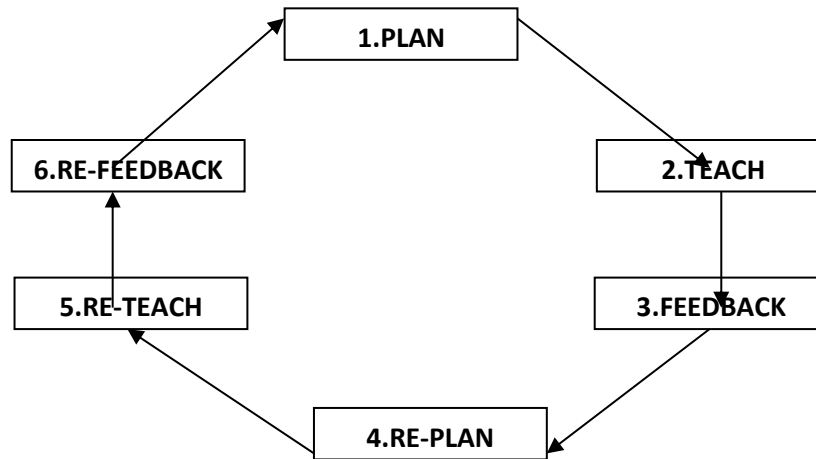
Microteaching is a new creation of the field of teacher education, a developed training method to make effective teacher. It is a good teaching but the object is the developing of teaching skill (Reddy, K. R. 2019). It needs the teacher-trainee to give a single concept of the topic to use a special teaching skill to a very small group of students in a short time (Banga, c. L. 2014). It delivers correct teaching situation for developing skill and helps to acquire thicker knowledge regarding the method of teaching (Remesh, A. 2012). A teaching plan is used to practice for the teaching skill, teaching feedback, re-planning, re-feedback. It is repeated plan which need the student and teacher to acquire great knowledge (Mangal, S. k. & Mangal, U. 2022). The goal of micro-teaching is to develop pre-service teachers' teaching skills.

Origin or History of Microteaching:

The concept of microteaching was first used in 1960 in the field of medicine at Stanford University and later on applied to teaching skill. The concept of microteaching as a teacher training technique first emerged in 1963 at Stanford University in USA by Dr. Dwight W. Allen. Microteaching was used in science teaching before it was used in learning teaching (Reddy, K. R. 2019). The first book on microteaching in India was written by N. L. Dosajh under the caption 'Modification of Teacher Behaviour through Microteaching' (1977).

Microteaching Cycle and Steps:

Circle means one type of framework. All the skills of teaching covered in the 21st century are developed according to the microteaching circle. The complete microteaching circle is a process of 36 minutes.



A micro teaching cycle

-According to Thomas, C. 2017

❖ **Planning:**

- ❖ Here the topic is selected and related content.
- ❖ To prepare for the micro lesson plan.

❖ **Teaching:**

- ❖ Here the teacher trainee attempts to develop a specific teaching skill.
- ❖ A teacher needs courage and self-belief to manage the class properly.
- ❖ Here teaching is recorded by audio video tape recorder.
- ❖ Time should be 6-10 minutes.

❖ **Feedback:**

- ❖ Here teacher trainee is informed about the quality of teaching.
- ❖ This feedback helps the teacher trainees to develop their skills better.
- ❖ Feedback is provided here by the audio video tape recorder.
- ❖ The time table for feedback is 6 minutes.

❖ **Re-planning:**

- ❖ Here the re-planning is done depending on the feedback and the re-planning time is 12 minutes.

❖ **Re-Teaching:**

- ❖ Teacher trainees teach with renewed courage and confidence to make the class better than before make an effort.
- ❖ The re-teaching time is 6 minutes.

❖ **Re-Feedback:**

- ❖ It is the most important components of microteaching to change the behavior of teacher trainees. How much skill has been developed in the students as a result of re-teaching is seen through re-feedback.

It is a continuous process. This process continues till the skill is developed among the student.

Microteaching Settings:

a. Teaching	6 minutes
b. Feedback	6 minutes
c. Re-plan	12 minutes
d. Re-teach	6 minutes
e. Re-feedback	6 minutes
Total Time	36 minutes(approx)
No. of students or pupils	5-10

-According to Mangal, S. k. & Mangal, U. 2022

Microteaching Laboratory:

The lectures and assignments in the classroom alone cannot prepare a teacher to teach. Through application-style activities, they must have the chance to put instructional ideas and procedures into practice. Typically, there are two ways to offer such practice: (1) Laboratory experiences, and (2) fieldwork. For the purpose of preparing students for pedagogical applications, teacher and student teacher courses are recorded in the Micro-Teaching Lab, where lectures are also recorded through closed-circuit video. While field-based activities often take place in public or private school classes, laboratory experiences typically take place on campus. A micro teaching lab will have a variety of equipment, including teacher trainees, supervisors, blackboards, overhead projectors, audio recorders, video recorders, and more.

Importance of microteaching in the era of digital advancement:

In the 21st century specially the era of digital advancement, the society is changing and developing rapidly with the changes of technology. So, in this situation society needs more skilled and technologically sound teacher for making the education system stronger. Although there are so many methods and techniques of modification of teachers' behavior micro-teaching is unique and more significant. For the development of 21st century skills among the students a skilled teacher is needed in the class room and a skilled teacher can be made through micro-teaching. An effective means of improving teaching skills is microteaching which builds the teaching skills of pre-service teachers (Remesh, 2013). It is the skill development of trainee teacher in a very short period of time. Through this, a large classroom is presented to the students in small sections and a large complex text content can be easily presented to students in small chunks. This results in better skill development of trainee-teacher and enables them to provide effective classroom in the future.

Conclusion:

In the era of digitization technology play a vital role in the changing society but it can't be a substitution of a teacher. So, development of teaching skills of a teacher is very important for all the time and all the levels of education. It is very much true that a teacher can be a nation builder. In the era of digital advancement digital teaching and learning is becoming more popular day by day. So, the teaching skills of a teacher need to be more upgraded. The upgradation of a teacher depends on proper training. Micro-teaching is a technique which helps a trainee teacher to be a well trained and skilled teacher. It may be applicable for pre-service and in-service both the teachers. It serves as a focused tool in the 21st century that helps practice essential learning skills safely and effectively at any age.

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