

Strategies Used in Cultivating Teaching Ability of Master of Education

Li Guan*, Gertrude V. Corpuz

College of Teacher Education, University of the Cordilleras, Baguio City, Benguet, Philippines 2600

*Corresponding author: 907202242@qq.com

Abstract. This research investigates diverse strategies for enhancing teaching capacity in Master of Education (M.Ed.) programs. Expanding across instruction, research, extension, and professional development dimensions, the study unveils multifaceted approaches to equip educators. Instructional strategies encompass extended learning time, skill training, microteaching, literature review, and teaching competitions. In research, independent projects, engagement in mentor research, and participation in academic events foster research and teaching skills. Extension strategies include family tutoring, workshops, social media engagement, and observing expert teaching. Professional development is promoted through continuing education, qualification certification, expert guidance, reflective practices, and instructional design training. The study highlights how these strategies contribute to a comprehensive, adaptable, and skilled teaching workforce. Ultimately, this research aims to serve as a guide for institutions, educators, and policymakers to elevate teaching quality and address the evolving needs of education.

Key words: Cultivating teaching ability, strategies, master of education.

1. Introduction

Teaching is a cornerstone of any education system, molding the knowledge and skills of future generations. As society evolves, the role of educators has become increasingly intricate [1]. In response, the importance of nurturing effective teaching abilities has gained prominence. This study delves into the significance of fostering teaching ability within Master of Education (M.Ed.) programs, common strategies employed, their advantages and disadvantages, the imperative need for this investigation, research objectives, and potential beneficiaries.

In the modern education landscape, with its diverse students and evolving technology, educators require advanced pedagogical skills and adaptability [2]. An M.Ed. program serves as a pivotal avenue for educators to enhance skills, broaden perspectives, and deepen their pedagogical understanding. Developing teaching ability equips educators to navigate these challenges and provide high-quality education.

Strategies for cultivating teaching ability in M.Ed. programs encompass diverse approaches [3-7], for example, Pedagogical Workshops and Training offer quick exposure to innovative methods, although they might lack personalized guidance. Reflective Practice encourages self-awareness but might lack external perspectives. Action Research Projects promote evidence-based teaching but can be time-consuming. Mentorship and Coaching provide tailored guidance but heavily rely on mentors' expertise. Collaborative Learning fosters idea-sharing but might lack structured content. Each strategy holds its own set of advantages and disadvantages. While workshops offer exposure to new techniques, they might lack depth. Reflective practice encourages self-improvement, yet it lacks external input. Action research allows evidence-based teaching enhancements but is time-intensive. Mentorship offers personalized guidance but hinges on mentors' availability. Collaborative learning stimulates idea exchange but may lack clear direction. Understanding these nuances informs comprehensive teaching ability cultivation.

Given the evolving educational landscape, understanding effective strategies for cultivating teaching ability in M.Ed. programs is imperative. Institutions seek to provide superior learning experiences, making insights into effective approaches vital. This study benefits educators,

institutions, policymakers, and students by offering evidence-based recommendations to enhance teaching quality.

The research's primary objective is to analyze strategies employed in cultivating teaching ability within M.Ed. programs. It aims to identify the most effective strategies, evaluate their advantages and disadvantages, and propose recommendations for optimal development. Stakeholders across education benefit from this study. Educators can refine practices for enhanced instruction. Educational institutions can improve program structures. Policymakers can shape supportive policies for educators' professional growth. Ultimately, the study enhances overall education quality for students across all levels.

2. Literature review

The literature on teacher education and the preparation of future educators spans a variety of dimensions and focuses, shedding light on strategies, challenges, and competencies required for effective teaching. Honsinger and Brown (2019) [1] emphasize the importance of trauma-sensitive teacher preparation strategies. Tondeur et al. (2019) [2] explore the role of teacher educators in preparing new teachers for technology integration. Rowan et al. (2021) [3] conduct a systematic review of initial teacher education research, particularly addressing the preparation for student diversity. Uerz, Volman, and Kral (2018) [4] examine teacher educators' competences in fostering student teachers' proficiency in technology integration.

Phuong, Cole, and Zarestky (2018) [5] offer a systematic literature review on faculty development for teacher educators. Foulger et al. (2017) [6] focus on teacher educator technology competencies, highlighting the necessary skills for effective instruction. Cochran-Smith et al. (2020) [7] explore international perspectives on educating teacher educators. Borthwick and Hansen (2017) [8] question digital literacy among teacher educators. Flower, McKenna, and Haring (2017) [9] examine behavior and classroom management in teacher preparation programs.

Liu and Wang (2019) [10] present strategies for enhancing professional skills training for teacher trainees, while Wang and He (2020) [11] investigate strategies for cultivating professional competence. Zhang (2017) [12] analyzes factors influencing the teaching practice ability of teacher training students. Li (2017) [13] researches strategies for cultivating language teaching skills among elementary education teacher trainees. Chen (2021) [14] reviews issues and improvement strategies in pre-service elementary teacher training practice curriculum systems. Fan and Zhang (2022) [15] discuss pathways to enhance practical teaching competence in the context of teacher education accreditation.

A large body of literature highlights the complexity of teacher education and the multifaceted strategies and competencies needed to effectively prepare future educators to meet the diverse and dynamic demands of modern education.

In short, this paper has the potential to provide a comprehensive perspective on strategies for developing pedagogical competencies in M.Ed. programs, bridging gaps and proposing innovative solutions to enrich teacher education for the benefit of educators, students, and the broader educational environment.

3. Method

Interviews, as a primary data collection method, allow researchers to gather first-hand information from individuals with direct experience and expertise in the field. Interviews with teacher educators, experienced faculty, and M.Ed. students in the context of investigating pedagogical competency development allowed for a multifaceted understanding of the strategies employed, their effectiveness, challenges, and potential improvements.

This paper utilizes thematic analysis, a qualitative analysis technique that involves the systematic identification of patterns, themes, and meanings in a data set. In the context of researching the

development of pedagogical competencies, thematic analysis enabled the researcher to extract commonalities, divergences, and underlying perspectives from the interview responses.

4. Results and discussion

This discussion provides an in-depth look at comprehensive strategies aimed at improving the teaching competencies of M.Ed. students, as shown in the table below. These strategies cover a range of areas from teaching and research to outreach and professional development. By examining each strategy in detail, this analysis aims to shed light on the multifaceted approaches used to develop teaching competencies in the context of the M.Ed. program.

Table 1. Strategies for improve the teaching capacity of the Master of Education

Strategies for improve the teaching capacity of the Master of Education	
Instruction	1. Extend In-School Learning Time: This is considered fundamental, providing more time for coursework and practical activities, allowing students to engage in extracurricular practices.
	2. Teacher Skill Training Courses: Offering courses in teaching skills, including instructional design, classroom training, and pedagogy improvement.
	3. Microteaching Training: Implementing microteaching training sessions to effectively enhance teaching abilities.
	4. Reading and Literature Review: Encouraging students to read literature and research materials to enhance their overall knowledge and teaching skills
	5. Participate in Teaching Competitions: Actively participating in teaching competitions to refine and showcase teaching skills
Research	1. Independent Research Projects: Encouraging students to independently lead and conduct research projects to enhance their teaching research capabilities
	2. Engagement in Mentor's Research: Involvement in research projects led by mentors to develop teaching and research skills
	3. Participate in Academic Conferences: Attending academic conferences to present research findings and enhance teaching and research abilities
	4. Contribute to Academic Publications: Writing academic papers to contribute to the field and improve teaching research competence
	5. Action Research: Engaging in action research, which involves studying teaching methods and their outcomes, to improve teaching approaches
Extension	1. Family Tutoring: Becoming family tutors to gain practical teaching experience and improve teaching skills.
	2. Participation in Academic Workshops: Participating in academic workshops and seminars to expand teaching knowledge and approaches.
	3. Social Media Engagement: Using social media to share teaching content and engage with a broader audience for increased exposure.

	4. Participate in Professional Organizations: Joining professional organizations to network, share experiences, and enhance teaching skills.
	5. Observation of Expert Teaching: Observing experienced teachers in action to gain insights and learn effective teaching techniques
Professional development	1. Continuing Education: Pursuing ongoing professional development opportunities to stay updated on teaching methods and educational trends.
	2. Qualification Certification: Acquiring teaching qualifications and certifications to improve teaching competence.
	3. Expert Guidance: Receiving guidance and mentorship from experienced educators and experts to enhance teaching skills.
	4. Reflective Practices: Regularly engaging in self-reflection to identify areas of improvement and develop teaching abilities.
	5. Instructional Design Training: Attending courses focused on instructional design to create effective and engaging learning experiences.

Extend In-School Learning Time: Providing students with more time for coursework and practical activities is crucial for their development. Extending learning time allows for deeper engagement with subjects and opportunities for hands-on experience. It can also facilitate reflection and discussion among peers, enhancing overall learning outcomes.

Teacher Skill Training Courses: Offering specialized courses in teaching skills, instructional design, classroom management, and pedagogy improvement equips educators with essential tools for effective teaching. These courses address the practical aspects of teaching and help future educators develop well-rounded teaching strategies.

Microteaching Training: Implementing microteaching sessions, where students practice teaching in controlled environments, enables them to refine their instructional techniques, receive feedback, and make improvements. This hands-on approach enhances teaching abilities through experiential learning.

Reading and Literature Review: Encouraging students to read educational literature and research materials enhances their knowledge base and exposes them to various teaching methodologies. This strategy fosters critical thinking and encourages educators to apply researched best practices in their teaching.

Participate in Teaching Competitions: Engaging in teaching competitions offers educators the chance to showcase their teaching skills and receive constructive feedback. This platform encourages continuous improvement and innovation in teaching methods.

Independent Research Projects: Encouraging students to lead and conduct independent research projects enhances their research and analytical skills, which are crucial for effective teaching. This strategy fosters a deep understanding of educational principles and encourages evidence-based teaching practices.

Engagement in Mentor's Research: Involvement in research projects led by mentors provides a practical avenue to develop research and teaching skills simultaneously. Collaborating with experienced educators fosters a mentor-mentee relationship and exposes students to real-world research scenarios.

Participate in Academic Conferences: Attending academic conferences offers a platform to present research findings, connect with peers, and gain insights into current trends in education. Sharing and discussing research enhances educators' abilities to critically evaluate teaching methods.

Contribute to Academic Publications: Writing academic papers and contributing to academic publications allows educators to disseminate knowledge and contribute to the field. This strategy cultivates research skills and establishes educators as thought leaders in education.

Action Research: Engaging in action research involves studying teaching methods and their outcomes within real classroom settings. This approach allows educators to continually refine their teaching approaches based on empirical data and student feedback.

Family Tutoring: Becoming family tutors provides practical teaching experience outside of formal classrooms. This strategy enhances adaptability, communication skills, and the ability to tailor instruction to individual needs.

Participation in Academic Workshops: Attending academic workshops and seminars exposes educators to innovative teaching methods, pedagogical theories, and strategies for enhancing student engagement.

Social Media Engagement: Utilizing social media platforms to share teaching content and insights expands educators' reach beyond the classroom, fosters community engagement, and promotes collaborative learning.

Participate in Professional Organizations: Joining professional organizations provides opportunities for networking, knowledge exchange, and continuous professional development. It allows educators to stay updated on industry trends and best practices.

Observation of Expert Teaching: Observing experienced teachers in action offers valuable insights into effective teaching techniques, classroom management, and student interaction, enabling educators to learn from real-world examples.

Continuing Education: Pursuing ongoing professional development opportunities, such as workshops, seminars, and courses, ensures educators remain current with evolving teaching methods and educational technologies.

Qualification Certification: Acquiring teaching qualifications and certifications validates educators' expertise and commitment to their profession, enhancing their credibility and competence.

Expert Guidance: Receiving guidance and mentorship from experienced educators and experts provides personalized support for refining teaching skills, classroom management, and instructional design.

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Instructional Design Training: Attending courses focused on instructional design equips educators with the skills to create engaging and effective learning experiences, considering diverse learning styles and needs.

5. Conclusions

Overall, a comprehensive exploration of strategies for enhancing teaching competencies in Master of Education (M.Ed.) programs reveals a multifaceted approach that is essential for preparing educators to thrive in an ever-changing educational environment. The integration of instructional strategies, research-based strategies, extension strategies, and professional development strategies contributes to a holistic framework for developing teaching competencies. When educators engage in extended learning time, hone their teaching skills, and participate in research and scholarship, they are equipped to meet the diverse needs of the modern classroom. Additionally, participation in family counseling, professional workshops, and social media enhances their resilience and outreach. By continually pursuing professional development, educators can refine their skills and ensure that their teaching remains relevant and impactful. This study underscores the need for comprehensive teacher education and provides valuable insights for educational institutions, educators and policymakers who are striving to improve the quality of education and advance society through effective teaching practices.

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