

Integrating Environmental Education into Teacher Training under NEP 2020

Dr. Pritika Tamrakar

Assistant Professor

Ghanshyam Singh Arya Kanya Mahavidyalaya Durg, Chhattisgarh

Abstract

Environmental education (EE) is a crucial aspect of sustainable development, and the National Education Policy (NEP) 2020 recognizes its importance in shaping responsible future citizens. Integrating EE into teacher training is vital for fostering an environmentally conscious mindset among educators, who, in turn, can influence students effectively. This concept note explores the necessity, significance, and contemporary relevance of EE in teacher training under NEP 2020, emphasizing findings from recent studies and suggesting a roadmap for implementation.

Introduction

Environmental degradation, climate change, and resource depletion pose significant challenges to humanity. Education is a powerful tool to address these challenges by instilling awareness, responsibility, and sustainable practices. The NEP 2020 emphasizes holistic and multidisciplinary education, incorporating environmental concerns into curricula. However, effective integration requires well-trained educators who can impart environmental knowledge, skills, and values. This necessitates the inclusion of EE in teacher training programs to ensure that future educators are equipped with the necessary competencies to promote sustainability in classrooms and communities.

Significance of Environmental Education in Teacher Training

1. **Holistic Learning Approach:** NEP 2020 promotes experiential and multidisciplinary learning, aligning with EE principles.
2. **Empowering Teachers:** Well-trained teachers can integrate environmental themes into subjects beyond science, including social studies, literature, and mathematics.
3. **Behavioral Transformation:** Teachers play a crucial role in shaping students' attitudes towards the environment, making EE a fundamental part of teacher training.
4. **Policy Alignment:** NEP 2020 emphasizes environmental consciousness as a core component of education, necessitating its integration into teacher preparation programs.

Need for Environmental Education in the Contemporary Era

1. **Climate Change Awareness:** Rising global temperatures, extreme weather events, and biodiversity loss demand an informed and proactive population.
2. **Sustainable Development Goals (SDGs):** EE in teacher training aligns with SDG 4 (Quality Education) and SDG 13 (Climate Action).
3. **Behavioral Shifts in Youth:** Schools serve as a critical space for instilling eco-friendly habits and sustainable practices.
4. **Policy Implementation:** NEP 2020's call for environmental education requires trained educators to translate policies into practice effectively.

Findings from Recent Studies

- **Lack of EE in Current Teacher Training Curricula:** Studies indicate that EE is often a peripheral subject rather than a core component in teacher training.
- **Positive Impact of EE Training:** Teachers with EE training demonstrate greater confidence and ability to incorporate sustainability concepts in their teaching.
- **Experiential Learning Gap:** Many teacher training programs lack hands-on approaches to EE, limiting real-world application.
- **Need for Continuous Professional Development:** Periodic workshops and training modules on EE enhance teacher preparedness and effectiveness.

Conclusion and Recommendations

Integrating EE into teacher training under NEP 2020 is essential for developing environmentally conscious educators and students. The following recommendations can facilitate effective implementation:

1. **Curriculum Integration:** EE should be a mandatory component of teacher education programs, including theoretical and practical aspects.
2. **Experiential Learning Modules:** Field visits, sustainability projects, and case studies should be included in training curricula.
3. **Interdisciplinary Approach:** EE should be integrated across subjects, promoting holistic learning.
4. **Capacity Building Programs:** Regular training and workshops for in-service teachers should be conducted to enhance environmental competencies.
5. **Assessment and Incentives:** Incorporating EE into teacher evaluation criteria can motivate educators to prioritize environmental topics in their teaching.

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