

**RESEARCH PAPER****New Learning Paradigms, Development of 21st century: Skills and Teacher Education****Pragya Jha**

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Email: pragyajha4511@gmail.comReceived: 20th Feb. 2023, Revised: 10th March 2023, Accepted: 20th March 2023**ABSTRACT**

The New Education Policy 2020 is being implemented from 29 July 2020. NEP 2020 will bring several significant changes to the current education System. This policy is adopted in lieu of 34 year old National Policy on Education (NPE) 1986, making this new policy the first education policy of the 21st century. It's objective is to give equal waitage to all subjects Maths, Science, art, language, Social Science. NEP 2020 is built on the foundational pillars of Equity, Quality, Equity and affordability for sustainable development. NEP 2020 aims to make both school and college education more flexible, holistic and multidisciplinary to suit needs of 21st century by nurturing unique Capabilities of each student

Key words: NEP 2020, New learning paradigm, 21st century skills, teacher education

INTRODUCTION

The New Education Policy 2020 is being implemented from 29 July 2020. NEP 2020 will bring several significant changes to the current education System. This policy is adopted in lieu of 34 year old National Policy on Education (NPE) 1986, making this new policy the first education policy of the 21st century. It's objective is to give equal waitage to all subjects Maths, Science, art, language, Social Science. NEP 2020 is built on the foundational pillars of Equity, Quality, Equity and affordability for sustainable development. NEP 2020 aims to make both school and college education more flexible, holistic and multidisciplinary to suit needs of 21st century by nurturing unique Capabilities of each student.

NEW LEARNING PARADIMS

In today's rapidly changing scenario, the role of teacher Scenerio, the role of teacher has also changed. This is very important issue. Now, we can get information in an instant click but how that information is used it more important. Children need to be taught, how to access information and then use it. There are five major attributes of human mind that need to be developed in Children to make them genuine learners. There are 5 Cs *Curiosity Creativity Critical thinking Communication and learning The challenge for 21st century educators to see how these learning paradigms- the 5 Cs- can be effectively taught in the class room. Parents and teachers must acknowledge that classroom. Learning should go hand in hand with the value and Life Skills. We must encourage our student to value virtues like courtesy, Co-operation, compassion, coexistence and courage, citizenship, competitiveness and so on. Teachers must note that these skills and virtues need to be developed through the classroom and co-curricular and extra- curricular education.

NEW LEARNING PARADIGM

The traditional learning paradigm typically involves a teacher delivering information to students in a classroom setting, with the expectation that the students will memorize and regurgitate the information for assessments. However, there has been a growing interest in exploring new learning paradigms that are more engaging, personalized, and effective. This is typically achieved through the use of technology, such as algorithms that analyze student performance data to make recommendations on what content to present next or interactive simulations that allow students to explore concepts in a hands-on manner. Another emerging learning paradigm is experiential or project-based learning, which involves students working on real-world projects or problems that

are relevant to their interests or future careers. This approach emphasizes hands-on learning and collaboration and encourages students to develop critical thinking, problem-solving and communication skills. Another example is game-based learning, where students engage with educational content in a fun and interactive way through video games or other game-like activities. This approach can help motivate students to learn and retain information more effectively, as well as develop important skills such as decision-making, strategic thinking, and teamwork. Overall, these new learning paradigms are shifting the focus from memorization and passive learning to active engagement and personalized instruction, and have the potential to revolutionize education and improve learning outcomes for students.

PERSONALIZED OR ADAPTIVE LEARNING

This learning paradigm is focused on tailoring the learning experience to each individual student's needs, preferences, and learning style. It is typically achieved through the use of technology that analyzes student performance data to make recommendations on what content to present next or interactive simulations that allow students to explore concepts in a hands-on manner. One of the key benefits of personalized learning is that it can help students learn at their own pace and level of understanding, which can increase engagement and motivation. Additionally, personalized learning can help identify and address gaps in student understanding, which can lead to more effective learning outcomes.

EXPERIENTIAL OR PROJECT-BASED LEARNING

This learning paradigm is focused on providing students with hands-on, real-world experiences that are relevant to their interests or future careers. It involves students working on projects or problems that require them to apply critical thinking, problem-solving, and communication skills. One of the key benefits of experiential learning is that it can help students develop practical skills that are applicable in the real world. Additionally, this learning approach can be more engaging and memorable for students, as they are more likely to remember information that they have learned through direct experience.

GAME-BASED LEARNING

This learning paradigm is focused on engaging students with educational content in a fun and interactive way through video games or other game-like activities. It involves using game mechanics and elements to teach students concepts and skills. One of the key benefits of game-based learning is that it can help motivate students to learn and retain information more effectively, as they are more likely to be engaged and motivated by activities that are fun and interactive. Additionally, this learning approach can help students develop important skills such as decision-making, strategic thinking, and teamwork. Overall, these new learning paradigms are shifting the focus from traditional teaching methods to more personalized, engaging, and effective learning experiences. They have the potential to revolutionize education and improve learning outcomes for students.

DEVELOPMENT OF 21st CENTURY SKILLS

The 21st century skills refer to the abilities and competencies that are essential for success in the modern world. These skills include a combination of cognitive, interpersonal, and practical skills that enable individuals to adapt to the rapidly changing world.

SOME OF THE KEY 21st CENTURY SKILLS ARE

Critical thinking and problem-solving: The ability to analyze information, evaluate options, and make informed decisions. Collaboration and teamwork: The ability to work effectively with others, communicates clearly, and contributes to a shared goal. Communication: The ability to express ideas clearly and effectively, both verbally and in writing. Creativity and innovation: The ability to generate new ideas, thinks outside the box, and finds new solutions to problems. Digital literacy: The ability to use technology effectively and ethically, including digital communication, information literacy, and media literacy. Emotional intelligence: The ability to understand and manage one's

own emotions and the emotions of others, and to build strong relationships. Global and cultural awareness: The ability to appreciate and respect cultural differences, and to work effectively in diverse settings. Developing these skills requires a combination of formal education, informal learning, and practical experience. Schools, colleges, and universities can play a key role in developing these skills through curriculum and teaching approaches that emphasize critical thinking, collaboration, and creativity. At the same time, employers and other organizations can provide opportunities for employees to develop these skills through on-the-job training, mentoring, and other professional development programs. Ultimately, developing 21st century skills is essential for success in today's world, both in terms of personal and professional growth.

HOW IT CAN BE DEVELOPED

Developing 21st century skills requires a combination of formal education, informal learning, and practical experience. Here are some ways to develop these skills: Emphasize project-based learning: Project-based learning provides opportunities for students to work collaboratively think critically and solve problems in real-world situations. By engaging in project-based learning, students can develop 21st century skills such as communication, collaboration, creativity, and critical thinking. Encourage entrepreneurship and innovation: Encouraging students to think creatively and come up with new ideas can help them develop skills such as creativity, innovation, and problem-solving. Entrepreneurship programs and innovation competitions can provide opportunities for students to develop these skills. Incorporate technology into learning: Using technology can help students develop digital literacy and other 21st century skills. Teachers can incorporate technology such as online tools, apps, and social media to facilitate communication, collaboration, and problem-solving. Provide opportunities for experiential learning: Providing opportunities for students to engage in experiential learning can help them develop practical skills and gain real-world experience. This can include internships, co-op programs, service-learning projects, and other hands-on learning opportunities. Foster a growth mindset: Encouraging students to have a growth mindset can help them develop a positive attitude towards learning and growth. By embracing challenges and persisting through setbacks, students can develop resilience, perseverance, and a willingness to learn. Provide professional development for educators: Educators can also develop their 21st century skills by participating in professional development programs that focus on teaching strategies and techniques that emphasize critical thinking, collaboration, creativity, and communication. Ultimately, developing 21st century skills requires a concerted effort from educators, employers, and society as a whole. By providing opportunities for formal and informal learning and practical experience, individuals can develop the skills needed to succeed in the rapidly changing world.

21st CENTURY SKILLS AND TEACHER EDUCATION

The development of 21st century skills is essential for success in today's world and teacher education plays a critical role in preparing teachers to foster these skills in their students. Here are some ways teacher education can support the development of 21st century skills: Incorporate 21st century skills into the curriculum: Teacher education programs can integrate 21st century skills into the curriculum, ensuring that future teachers are prepared to teach and foster these skills in their students. This can include providing opportunities for pre-service teachers to practice critical thinking, collaboration, communication and other 21st century skills. Use innovative teaching methods: Teacher education programs can model innovative teaching methods that emphasize 21st century skills. This can include project-based learning, collaborative learning, and technology-enhanced learning. Provide professional development for in-service teachers: In-service teachers can benefit from ongoing professional development opportunities that focus on developing 21st century skills in the classroom. This can include training in using technology to enhance teaching and learning, developing creative and innovative lesson plans, and promoting collaboration and communication in the classroom. Foster a growth mindset in teachers: Developing a growth mindset in teachers can help them model a positive attitude towards learning and growth, which can in turn encourage students to develop the same mindset. This can include providing opportunities for teachers to engage in ongoing learning and development, as well as celebrating

their successes and encouraging them to persist through challenges. Build partnerships with employers and other organizations: Teacher education programs can partner with employers and other organizations to provide opportunities for pre-service and in-service teachers to engage in real-world projects and gain practical experience. This can help them develop the practical skills needed to succeed in the workforce and foster 21st century skills in their students. In summary, teacher education plays a critical role in preparing teachers to foster 21st century skills in their students. By integrating 21st century skills into the curriculum, using innovative teaching methods, providing ongoing professional development, fostering a growth mindset and building partnerships with employers and other organizations, teacher education programs can help ensure that future generations are prepared to succeed in the rapidly changing world.

CONCLUSION

The emergence of new learning paradigms, the development of 21st-century skills, and the need for teacher education to keep pace with these changes are all critical components of modern education. As the world becomes increasingly complex and interconnected, students must develop a diverse set of skills to thrive in the workforce and society. Teachers must be equipped with the knowledge and skills necessary to design effective learning environments that foster the development of these skills. As such, ongoing professional development is crucial for educators to stay up-to-date with the latest research and practices in education. By embracing new learning paradigms and focusing on the development of 21st-century skills, we can help ensure that our students are prepared to succeed in the 21st century and beyond.

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