

## **Innovative Practices in Teacher Education (NEP: 2020)**

Priti Sharma

Faculty of Education, Dayalbagh Educational Institute, Dayalbagh, Agra

Corresponding author: pskkindia@gmail.com

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### **Abstract**

*The paradigm has already shifted in teacher education program due to globalization. We have shown various problem and challenges in the field of education. Teacher education is the backbone of our education system. Today we expected teachers as future leaders and to ensure sustainable education from them. In present time teacher's role is to create an environment where learners developed their capacity to create their own knowledge. Teachers are not just an information provider or an instructor, teachers are the guide who make learner able to reveal their ability to enhance their intellectual and potentialities to the fullest. If we want to improve the quality of school education, first we have to work on teacher education program, it is the most important vehicle. There are various problems that need urgent attention in teacher education program to enhance the quality. To uplift the educational standard, it is necessary to revitalization of teacher education system. Innovativeness means something new or beyond the boundaries and create different. This paper focuses on the changes that has risen in teacher education program and innovations done in the field of teacher education, also discusses the need and importance of teacher education program to be innovative.*

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**Keywords:** Innovation, Teacher Education, NEP2020, Digital Era, E-Learning.

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### **Introduction**

In the Vedic period senior students among the Brahmin students teach to junior students and they were trained in teaching during their academic period, it was the form of teacher education in Vedic period. But in the present e-world, situations are completely differing; teacher should have the ability to adopt the new things in new environment. Teacher should need to upgrade their skills and also need to change their attitude according to the society. We live in virtual world so teacher should be aware about the innovative practices in teaching learning environment, basically its e-education. Especially in the pandemic circumstances, e-learning or digital learning plays a vital role.

In this digital era the role of the mentor or teacher is completely changed, now teacher is just not an information supplier but there are variety in his or her role. He plays the role as a counselor to suggest the student to walk on right path, as a motivator to motivate the student for enrichment and he is facilitator who plans to achieve the objective of teaching learning process. NEP 2020 suggested that Teacher preparation is an activity that requires multidisciplinary perspectives and knowledge, formation of dispositions and values, and development of practice under the best

mentors. Suer & Oral, (2021) suggested some technique for improving the implementation of innovative pedagogy in classrooms. Thus, we have to create quality teachers if we want quality in education system because teacher is the central point of our education system. And it may be possible when we have such teachers who have the ability to adopt new technology and they should ready to accept various innovative programs. Innovativeness is the major requirements of teacher education program so that advancement can take place. Innovativeness means create something differ from the existing things and ideas with valuable output. Today there are lots of issues and disputes in teacher education system; we face because of globalization, technology, competition at international level and because of pandemic condition in the world.

### **Concept of Innovative Practices**

If we talk about innovation in teaching learning process its actually differing according to the need of society because the demands of innovative practices depend on the need of the particular society. Today our kids grown up with technology and AI, they like to spend more time with various types of gazettes, playing video games, using internet etc. so it is big question to decide the teaching learning objective for these advanced children and how to educate them?

Innovation words comes from the latin word innovationem, actually relates to renewal and means to create or do something in a new way or new technique. Innovation in teaching learning process specially include IT literacy and digitization in education with other things. It is also mentioned in NEP 2020 that Teachers should be encouraged to use various online training platforms like SWAYAM/DIKSHA, so that standardized training programs can be administered, within a short span of time to the large numbers of teachers. The target of teacher education program is basically to develop the professional competency and accountability in teachers to lead the nation forward. Some points are explained there which focused on what innovative practices will take place in teacher education system:

### **Collaborative or Cooperative Approach**

Collaborative approach is actually team teaching, where each group member is responsible for team learning and also responsible for its succeeding. Teacher creates the groups and they are work together to solve the problem and complete the given task towards common academic goal. In this approach teacher make sure and observed that learners are actively participate rather than rote memory of facts. We can develop Self-management and leadership skills through this

innovative practice. It is truly active process where learners develop the ability to organize their thoughts and present their innovative points also improves cooperation.

### **Reflective Teaching**

For new teachers reflective teaching can be a marvelous approach to improve the teaching learning process. It is actually self-assessment process for teachers. You may be asking yourself that how would I introduce this method into my teaching learning process. Reflective teaching approach work for professional growth for teachers and they can find it as a key of improvement or success. Teacher analyzes his or her method and behavior in the class room and change with their new ideas and experiments to achieve maximum success. There are various ways to do reflecting teaching approach in the class room like teacher can maintained the dairy and note about what happened, do or don't etc. second option is peer observation is also better option, videoing practice and also encourage reflective discussion.

### **Constructivism Approach**

Students can make their own knowledge in constructivism approach and actively participate in teaching learning process. The constructivist theory of education was introduced by Lev Vygotsky, Bruner & piaget also defined that learner learned with their own experiences. Teacher role as a constructivist theory is just to assist the learner and encouraged them to draw, discuss and write the new things. Child should be able to construct their own knowledge with the help of prior knowledge, they testing new ideas and experience and then use these experiences according to the situation. Problem solving and critically analyzing ability developed in the learners through this constructivism approach.

### **Blended Learning Approach**

In the blended learning, there is integration of technology and digital media with a traditional instructor. Students are more flexible and customize the learning experiences according to their convenience. Many research studies found the positive impact of blended learning approach in improving learner's achievement, at the same time it's also demands that teacher should be trained in using technology in teaching learning process. Blended learning is better option for e-learning industry and one of the most necessary pedagogical approaches which helpful to enhance learner's results. In this approach teacher provides flexible teaching learning environment, and teacher also ensure maximum involvement of students with effective

outcomes. This approach provides both online and face to face learning experiences and developed the ability of self-pace and self-direct in the learners. However traditional mind set students is not too comfort with blended learning strategies but still we can't neglect its important in present digital era.

### **Initiative steps of Innovation (NEP 2020)**

Innovative Pedagogy (Transforming teaching learning process) introduced in NEP 2020, some are:

- A. **Experiential Learning** actually its focus on experiential, and inquiry and discovery-based teaching learning methods are helpful in this category.
- B. **Integrated Pedagogy** define as integration of Arts, sports, and story-telling and ICT-integrated pedagogy for achieve educational objectives.
- C. **Promotion of peer tutoring** Promoting peer tutoring, it should be done under the supervision of teachers or mentors and it would be done as voluntary activity and done. Collaborative approach may be helpful in this category.
- D. **Equal Weightage** in the NEP 2020 provide freedom of selecting a variety of subject combination for students.
- E. **Use and integration of technology** in teaching learning process gives the opportunities to the students to learn better and according to the need as well as demands of the society.

### **Innovation through NEP2020 in Teacher Education Program**

According to NEP 2020 in India teacher education program will gradually be moved by 2030 into various multidisciplinary educational institute. And these higher educational institutes offering the 4-year integrated B.Ed. program and it is also facilitating the students of various remote area of our country by blended or ODL mode of teaching.

<b>4 Year Integrated B.Ed.</b>	<b>2 Year B.Ed.</b>	<b>1 Year B.Ed.</b>
<ul style="list-style-type: none"><li>• Minimum degree qualification for teaching that includes students-teaching at local school, by 2020</li></ul>	<ul style="list-style-type: none"><li>• For applicants with an existing bachelor's degree in other specialized subjects</li></ul>	<ul style="list-style-type: none"><li>• For those who have completed the equivalent of 4 years multidisciplinary bachelor's degree or have obtained the master's degree in a speciality</li></ul>

### **Innovative Improvements in Teacher Education (NEP2020)**

- It is decided that all teacher education program to be covered under united interdisciplinary institutions.
- To promote innovation in teacher education, a new curriculum framework (by 2021) has been designed which is very comprehensive and designed for the holistic development of the child.
- NTA testing for admission to B.Ed.
- Strict action will be taken against those teacher educational institutions which are not able to meet the assessment standards.
- It is suggested that higher education sector and teacher education work together and National Higher Education Regulatory Council (NHERC), work as a single point regulator to achieve desire goals.
- Such educational programs should be included which promote overall development and are multidisciplinary and at the same time integrated.
- Merit based scholarships for 4-year B.Ed. Integrated.
- A National Mission should be established for proper mentoring with all the senior and excellent faculty members who have retired.
- Teacher Eligibility Tests (TETs) at all stages will be ameliorate.
- Technology-based planning and forecasting of teacher-requirement to assess expected subject-wise teacher vacancies over next two decades.
- Setting up National Professional Standards for Teachers by 2022.

### **Conclusion**

Teacher education is the important part of education; consider as a backbone of education system. If the innovations take place in teaching practices, then the possibility of improvement can be further increased. All the countrywide education departments have to be contributing in this area for best outcomes. Along with cognitive development, we should concentrate on techno-pedagogy because teacher should be trained as online facilitator. To tackle the challenges of this digital era teacher or mentor should be able to handle the digital challenges. Reinventing is requisite for constantly investigate new opportunities which may be helpful in professional growth. NCTE already done many things to augment the quality of teacher education, NEP 2020

(national education policy) defined various innovative strategies like DIKSHA, SWAYAM, blended learning models, ICT integration in teaching learning process etc. but one thing has to be kept in mind that as a teacher how honestly, we follow all the things in our profession and we have to remember that teacher can shape the future of a child as an instrument. Taru Konst & Liisa Kairisto (2020) mentioned in their paper that in present time the big challenge for all education is promoting an ecological civilization and Innovative mindset is needed to fulfil this purpose.

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