

Study of consciousness towards various innovations in teacher training

Dr. Mausam Pareek, Rekha Chahar

Research Guide Research Scholar Apex University, Jaipur

Article Info

Page Number: 1265-1275

Publication Issue:

Vol. 70 No. 2 (2021)

Abstract

Change instead of staying the same has become a motto for successful life and education has been accepted as a means to bring about systematic change but educational change has lagged behind in the race of rapidly changing conditions brought about by social changes. It is being demanded that changes should be made in education according to the aspirations and goals of the people. Efforts are being made by educationists to improve the education system through new ideas, new programmes, new methods and techniques which we call 'educational innovation'.

Change is the eternal law of creation. Change brings newness in the world. Every moment the world is changing. Changes are also taking place in the society every moment. New beliefs are taking the place of old beliefs. Old ideas are going, new ideas are coming. New values are taking the place of old values. If the water remains stagnant, it will rot. If the flow of water continues, the water will remain pure. Similarly, the society which wants to remain stable, remains in the status quo. Does not accept new ideas, it cannot survive. By adopting new ideas, the society gets a new life. New energy comes in him and he always gets the leading position. One such feature is found in social change, which is not targeted in world change. Social changes can be made systematically.

Article History

Article Received: 20 September 2021

Revised: 22 October 2021

Accepted: 24 November 2021

1.1 Introduction

Change instead of staying the same has become a motto for successful life and education has been accepted as a means to bring about systematic change but educational change has lagged behind in the race of rapidly changing conditions brought about by social changes. It is being demanded that changes should be made in education according to the aspirations and goals of the people. Efforts are being made by educationists to improve the education system through new ideas, new programmes, new methods and techniques which we call 'educational innovation'.

Change is the eternal law of creation. Change brings newness in the world. Every moment the world is changing. Changes are also taking place in the society every moment. New beliefs are taking the place of old beliefs. Old ideas are going, new ideas are coming. New values are taking the place of old values. If the water remains stagnant, it will rot. If the flow of water continues, the water will remain pure. Similarly, the society which wants to remain stable, remains in the status quo. Does not accept new ideas, it cannot survive. By adopting new ideas, the society gets a new life. New energy comes in him and he always gets the leading position. One such feature is found in social change, which is not targeted in world change. Social changes can be made systematically.

The role of education is important for the multifaceted development of the country and the planning of the best education program depends on the qualification of the teachers. The best quality

education is expected on the professional qualification of the teacher and the efficiency of the art and the all round development of the child's personality can be done by the best quality education. Just as a skilled man can develop a plant in its best form with his art, similarly a skilled teacher who is proficient in his art can help in the all-round development of the child. Not all skilled teachers are born. Therefore, vocational education is necessary for efficiency in the art of teaching. The Education Commission (1964) wrote, "In the absence of other influences, the teacher tries to teach the way he was taught by his favorite teachers. Thus he continues the traditional methods of teaching." In the modern situation when there is a need for innovative and progressive methods of teaching, such an attitude of the teacher presents a hindrance to the progress of education. It can be modified only by effective professional education, which makes the teachers aware of the desired revolution in teaching. Will get them done and will lay the foundation stone for their future professional progress. In this way, best teacher training institutions can make a significant contribution to the development of education.

Expected changes bring new consciousness in education. New energy comes. These changes bring innovation in education and education moves forward – education moves towards the path of progress.

Modern era is the era of science, information technology and change. In this developing era, the old beliefs towards education principles and education system are getting relaxed. Innovative experiment is being considered as the most appropriate teaching method. At present, the teaching process is recognized both theoretically and practically as art and science. Today, in the child-centred education system, teaching work has to be done according to the interest, attitude, physical and mental capacity of the child. As a result of the increasing phase and popularity of non-traditional teaching methods, full preparation for teaching is necessary for the teacher to retain his role. The main aim of teaching is to bring change in the behavior of the student. This is possible only when such a strategy is included in the teaching planning that keeps curiosity in the student. In the strategic step, it has to be decided that when, where, how to use which techniques, techniques, auxiliary materials in different stages of the lesson along with teaching, what should be the form of evaluation, continuity and continuity should be maintained in teaching and Increase in the understanding of the students.

Science and Technology With the explosion of new knowledge, many new innovations have been adopted in every field. The use of these innovations in the field of education is new in India. Today innovation in teaching process is not only the demand of the age but also an essential of child-learning process.

Meaning of innovation:-

The word 'Navachar' is the Hindi adaptation of the English language word (Innovations)

'innovation'. There it means the practice of new customs or new ideas and innovation or innovation.

The meaning of innovation in Hindi language is self-evident. This post is made up of two words 'nav' and

Made from the combination of 'Achar'. The meaning of this word is as follows-

- **new - new, new**
- **Conduct, change**

Innovation is the change which takes place in the existing methods and materials etc.

Communicate innovation.

According to the Oxford dictionary, innovation means the introduction of something new, a change in something established, a new trend, a change in established methods, etc. Innovation generally means those experiments or methods, which are adopted in the fulfillment of the need or goal of the society or any system, it is also seen in the society that any thought method or style experiment is new from someone's point of view, So that too is considered an innovation.

Definitions of Innovation:-

Many scholars have defined innovation in different words, which are as follows-

Bhola H.S. According to, "Innovation is an idea, an attitude, a skillful tool, or two or more such facts that have not been practically assimilated by the individual or the culture."

M.B. According to Miles, "An innovation is a deliberate new and distinctive change that is considered more effective in achieving the objectives of a system."²

* **Bhai Yogendraji** "Innovation and new trends in education" Vinod Pustak Mandir, Agra-2 latest edition P.S. 4 * Mile M- "Innovation in Education New York 1964

H.S. According to Burnett, "Any new idea or practice that is qualitatively different from the existing one is an innovation."³

According to UNESCO convention 1971, innovation is the beginning of a new idea. It is a process or technique, which is widely used in place of existing practices and techniques. It is not change for the sake of change, but is implemented and built on the basis of trial and experimentation.

By considering the above definitions, it is clear that there are some similarities and disparities in the definitions given by various educationists and sociologists. The concept of innovation can be explained in a very simple way by saying that innovation is such an idea that its adopter or adopter sees and experiences it as a new thing. By the way, this idea may also be old for other people.

Features of innovation:-

Innovation has the following characteristics-

- Innovation is for creativity.
- Innovation can be in concept, attitude, methods of work and their tools.
- The use of innovation is visible for the first time in practice.
- It is well thought out and well planned and meets the expectations of the system.

* Burnett HS, "Change and Innovation in Education Quoted by M.S. Patel Journal of Education and Psychology, April 1971, Volume 10-11 * Tripathi Naresh Chandra and Bihari Lal Vishwanath, "Shiksha Ke Nutan Aayam" Vinod Pustak Mandir, Agra-2, Second Edition 2005-2006. P. No. 2

It has a characteristic of its own, which enables it to achieve the objectives of the system.

- Innovation is considered more superior or advanced keeping in view of the merits than the prevalent methods.
- Innovation is uniquely transformative.

In conclusion, it can be said that "Innovation is that idea, whose acceptor sees and experiences it as a new idea.

Justification of the study:

At present, the form of curriculum in education has become very complex, to overcome the complexity of the curriculum, teachers use innovation-based teaching methods. Today's scientific and technological era demands that teachers should have prior knowledge of innovation. Only then the teaching work can be made interesting, simple, effective, inspiring and appropriate to the age level of the students. As per NCF-2005, emphasis has been laid on activity based learning. That's why it is necessary that the teacher should have knowledge of teaching methods according to the subject matter so that the teaching work can be done by making the subject matter simple and interesting.

Teachers often adopt innovative methods of teaching in a particular classroom context to make the students aware of the curriculum in their classroom. (These include constraints that may be space constraints, large number of students, lack of instructional equipment, heterogeneity of students, and compulsion of examinations, etc.) These efforts, while practical, are at times innovative and creative. But their teachers are not even aware of the community and the school and often the teachers themselves do not give any special importance to them. Those learning experiences can share and thus share with each other the diverse experiences of education. This will provide opportunities for an educational

dialogue within schools and teachers will be able to interact and learn from each other. This will give an opportunity for new ideas and experiments. How to adopt new creative methods of education and study so that they become a part of the system? Structural space can be given initially in the school and at the community and block level, teachers can be encouraged to share classroom experiences. If desired, some of these ideas and activities can be systematically developed further. It is also necessary to bring together groups of school teachers, both inside and outside the school, and provide them with resources and time to work together. It will also be necessary to document 'well understood' methods and to encourage research related to them. Right now DIET (part of whose job it is to identify and register innovative practices) has the money in this regard. SSA also has funding for school-based research, some of which could be used to document the different methods teachers use in their classrooms. More than providing the necessary funding, it is more important to create an environment for such innovation. As said earlier, it will also be necessary to bring the innovative process and its application into the mainstream. research study

Research related studies

1. Pental, Evaluation of Micro-Teaching and Other Recent Innovations in Educational Innovation Ph.D. Education, Delhi University 2017, did research related to innovation in schools and the objectives of their study were as follows-

To study the effectiveness of international micro-teaching British in- service teachers and student teachers of Delhi and Haryana, the conclusion drawn by Lancastam University. total 164

Butch MB "Third Survey of Research in Education 1978- 1983 P.No. 637 persons, of whom 30 were males and 134 were females. Of these, 83

B. S. The students and 70 in-service teachers, educationists were from Delhi and Haryana. Video tape recorder, observation form, questionnaire, attitude scale etc.

In conclusion, it was found that in both the groups, the observer observed that there was difference and improvement in their behavior after training and before training. There was improvement in 55 percent of the students and there was good student interaction.

2. Bagga O. Ale. (2017) "Study of the Implementation of Innovation in Delhi and Haryana" Ph. D. Education, Kurukshetra University did research related to innovation in schools of Haryana and Delhi and the objectives of their study were - "

The objectives of this research are as follows:- To conduct a survey of innovation on the schools of Delhi and Haryana. To study innovations in different schools of Delhi and Haryana. To study the expenditure on innovation. 34 Higher Secondary Schools, 206 Teachers Higher Secondary Schools, 516 Teachers Higher Secondary Schools of Haryana have gone to Delhi. The teachers from Haryana took more time than the teachers from Delhi. More money was spent on schools in Delhi than in schools in Haryana.

3. Chahua C.S. (2016) “Study of the Characteristics of Innovative Education of Gujarat State”, Ph.D. 'Sardar Patel University' did research work related to innovation in schools and the objectives of their study were as follows-

Bagga Q. Ale. M.B. Butch, Pt Survey of Research in Education, 1983. Tucsonum (1983.88), p. 3. Chahua C.S. M.B. Butch, Pt Survey of Research in Education (Roof) Tucsonum (1983- 88) 7 p. 1077

To identify the characteristics of innovative educational administrators. To study how successfully the use of innovation in teaching process has been applied to educational administrators. From the presented study, the development of educational innovation in teacher/trainee is happening at a rapid pace. The use of innovation in administration by the teacher/trainee has facilitated the teaching work. Innovation should be used regularly to make educational administration more successful.

problem statement

Study of consciousness of teacher educatorstowards various innovations

Objectives of the presented research: -

1. To study the awareness of faculty-based innovation-based teaching methods among teacher trainees.
2. To study innovation based teaching methods in teacher trainees.
3. Study of awareness of innovation based teaching methods among teacher trainees. 4. Towards the use of innovation based teaching methods in teacher trainee To study attitude.

Hypotheses of the presented research: -

1. There is no significant difference in the scores of teacher trainees of arts and science faculty's awareness of innovation based teaching methods. 2. There is no significant difference in the scores of teacher trainees of arts and commerce faculty's awareness of innovation based teaching methods
2. There is no significant difference in the scores of awareness towards innovation-based teaching methods among teacher-trainees of commerce and science faculty. 4. There is no significant difference in the scores of attitude towards the use of innovation- based teaching methods among teacher-trainees of Arts and Science faculty.

Definition of technical terms: -

The following technical terms have been used in the proposed research-

1. **Teacher-Trainee:** - Teacher-trainee in research work means B.Ed. It is from the trainees studying in the colleges.

2. **Innovation:** - Incorporating new practices and practices in teaching. In other words, the education containing educational techniques of teaching through which learning is made simple and easy. For example in teaching Use of HP, use of computer, teaching with programmed instruction method etc. are the means of innovative teaching. The principle of "learning by doing" is emphasized in the innovative teaching method. In this, along with the teacher being active, the students also remain more active.

Limitations of research :-

This research work is limited to teacher trainees studying in teacher-training colleges located in Jaipur city.

variable :

Variables have an important role in directly and indirectly affecting the research. They are variable

According to Postman and Egan, "a variable is a characteristic or property that can have a variety of values."

There are two types of variables -

- **Independent Variables** Independent variables are those which act independently. Teaching trainee has been taken as the independent variable.
- **Dependent variable:** Under the dependent variable those variables are included which come under someone. Innovative teaching methods have been taken as the dependent variable.

Research Method :

Method of study refers to the method of working according to a certain system and to discover the truth through study from a scientific point of view.

In the present research 'survey method' has been selected.

research population

In the present research population of teaching trainees of Jaipur district

Taken as Example

In the presented research, 600 teaching trainees of Jaipur district have been taken as population.

Research tools

In the present study, the researcher used a self-made questionnaire Has gone.

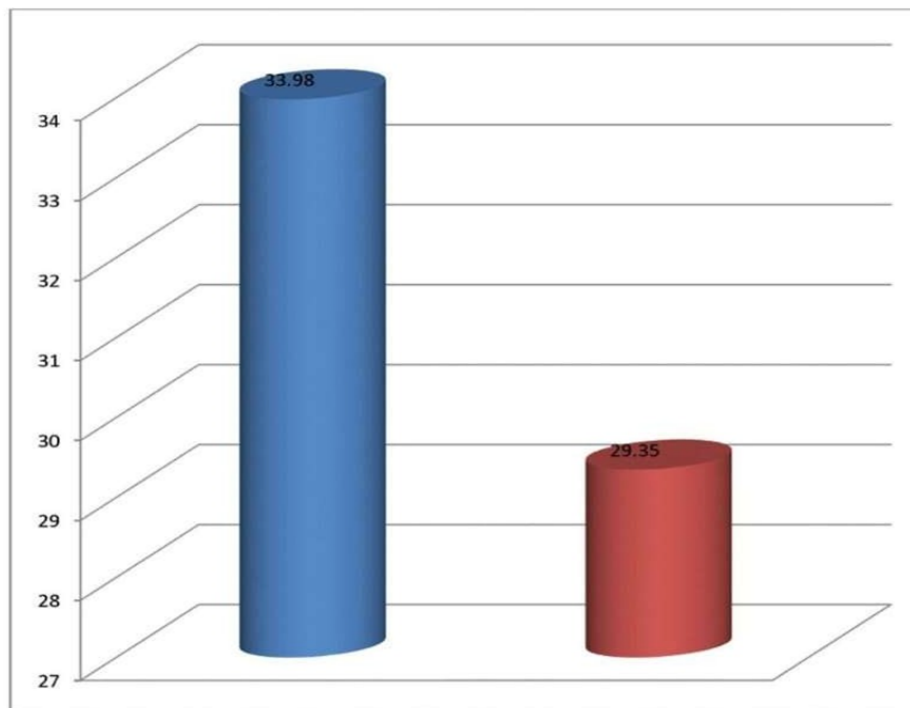
Statistics used in research

The information obtained from the data collected with the help of tests is complex, disjointed and scattered. It is necessary to organize the material for proper discussion. For this statistical method is used.

- **Mean value**
- **Standard deviation**
- **T test**

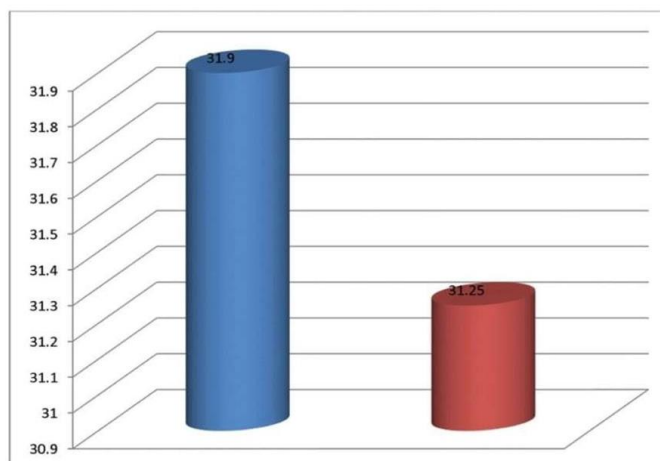
There is no significant difference in the scores of teacher trainees of arts and science faculty's awareness of innovation based teaching methods.

Group	student Number	mean value	Standard divergence	t value	
Art	200	33.98	7.44	3.56	Accepted No
Science	200	29.35	7.07		



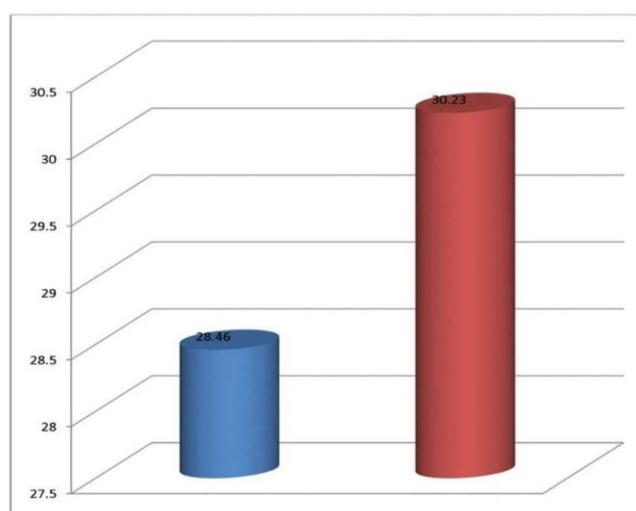
Innovation based teaching in teacher trainee of Faculty of Arts and Commerce There is no significant difference in the scores of awareness of methods.

Group	student Number	mean value	Standard divergence	t value	Accepted
Art	200	31.90	8.11	0.47	
Commerce	200	31.25	6.67		



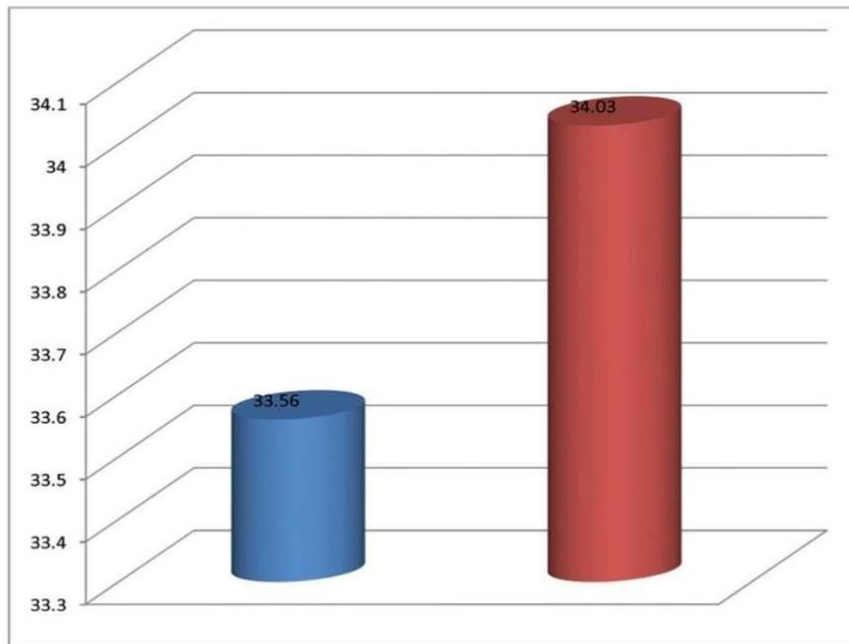
There is no significant difference in the scores of teacher trainees of commerce and science faculty's awareness of innovation-based teaching methods.

Group	student Number	mean value	Standard divergence	Tea Value	Accepted
Commerce	200	28.46	5.93	0.97	
Science	200	30.23	7.55		



Innovation based teacher-trainees of Faculty of Arts and Science There is no significant difference in the scores of attitudes towards the use of methods.

Group	student Number	mean value	Standard divergence	Tea Value	Accepted
Art	200	33.56	6.39	0.27	
Science	200	34.03	7.82		



Suggestions for future research

Every research work starts with a problem, many solutions are presented for that problem and on the basis of those solutions, suggestions are presented for future research. The following are the future suggestions of the presented research work - -

- Presented research work is limited to Jaipur district, it can be done in many other districts of Rajasthan for study in a big way.
- The research work presented is limited to adolescent students only. This can be done on adult students.
- The present research work can be expanded by comparative study of gender based differences.
- The research work presented is limited to the subject of Hindi, Science and Geography.

Is placed. This research work can be done on other subjects also.

- The sample of the presented research work can be increased.
- The presented research work is based on the schools of Rajasthan Board.

Can be done on CBSE board schools.

- The presented research work can be extended to teachers.reference list

> Aggarwal, Sandhya; "Education Psychology", Vijay Prakashan Mandir, Varanasi, 2005

> Bhargav Mahesh; "Psychological Testing and Measurement", Harprasad Bhargava Book House, Educational Publications, Agra, 1997,

> Bhatnagar AB, Bhatnagar Meenakshi; Evolution of the Educational System in India", R. Lal Book Depot, Meerut, 2006.

> Bhatnagar Suresh; "Psychosocial Basis of Learning and Development", International Publishing House, Meerut, 2005

> Bhatnagar Suresh; "Educational Psychology", R. Lal Book Depot, Meerut 2008

> Best John W; "Research in Education", Practice Hall, (Inc.) Angel Book Cliffs, UK. S. A., 1958

> Borg Delpen; "Understanding Education Research", McGrawhill Book Company, New York, 1958

> DattaSanjay; "Learning and Personality in Education Psychology", Jain Prakashan Mandir, Jaipur, Edition - 2005

> Frederick L. Whitney, The Elements of Research", Asia PublishingHouse, New York, 1961.

> Goode and Hott, "Methods in Social Research", Magrahill BookCompany, New York 1962

> Good, V. Carter and Scates D.E., Methods of Research", AppletonCentury Crafts (Inc.), New York, 1954.