

## **ROLE OF INNOVATION IN INDIAN EDUCATION**

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### **Introduction**

One of the main fundamental rights of our country's citizens is the right to education. Education has been made compulsory for children between 6-14 years. Over the many years, India has administered to promote its literacy rates to almost 75% especially after independence. Elementary Education has been expanded than ever before.

### **Innovation in Education**

Innovation is necessary for qualitative and quantitative changes in education. These modifications are required to raise efficiency and enhance the quality and equity of learning opportunities. Although education accepts change for raising its quality but there is no improvement in productivity, efficiency, quality and equity like other sectors because of lack of use of proper technology. Innovation in society can be promoted through education by developing the right skills to support it. By appropriate teaching and practices, critical thinking and creativity can be promoted. Smart innovation strategies should be developed by the government for education. The level of education is going to be increased with the use of digital technologies. In reality, individuals in education systems are getting benefits from new technologies. Those people are not on the path of progress because of lack of use of technology. Digital skills generate a significant return in terms of employment, income and other social outcomes for those who have but set up barriers to better life opportunities for those without.

### **Need of Innovation in Education**

Education is the base of our economy. What we learn in school decides who we become as individuals and our success through our lives. It conveys how we solve difficulties, how we gel with others and how we see at the world around us. In advanced economy of today, education has attained greater importance for developing the next generation of innovators and creative thinkers. However, huge gap exists between the potential that the modern education carries and what most of the students are actually learning? The acquisition and analysis of innovative ideas in education is often slow. Instead, many teachers are still sticking with ancient and ineffective methods of teaching. Using innovative teaching techniques to teach the students and to make them aware of the advantages of innovative thinking take education to next level.

It arouses a passion for learning and provides students with the equipment required to succeed in the innovation economy.

### **Scope of Innovation in Education**

The education sector of the India is in change mode with lots of schools embracing best teaching-learning practices prevailing in the world. Even if it is regarding carrying out uninterrupted advancements or total overhauling, the aim of education is more or less the same – developing a shining future with modern practices. Today, pupils and their guardians look for an educational experience that not only ful fill the discrete needs but also lays the foundation for their future. It should also be assured that the students get timely information of the developments happening across the globe. To ful fill these expectations, creating visionary teaching and learning practices seem a prerequisite. For every educational institution , there is a requirement to create a thrilling, tough yet fruitful learning environment. Looking at the prevailing situations in big centers, students’ world of imagination is filled with countless ideas and versatility. A controlled exposure to knowledge as per their needs can help them to attain world class knowledge which will make them to compete globally. It can be said that the education must be imparted with amalgamation of Information Communication Technology (ICT) and in ways that are consistent with and aiding their worldview. So, it is not only the case of bettering the education imparting techniques. Preferably, all the education stakeholders need to have a larger will of overhauling the education sector. Technology enables us to create learning forums where the families and community can also participate in the learning process of young students. These days technology can be put to use more innovatively. It frees the learning from the bounds of four walls of the classroom and chalks out the ways to make learning more innovative.

Innovative methods used should be distinctive. It may be advancing the prevailing customs or altering the mode of achieving the goals. In education field, using audio visual illustration to learn Indian history, to take part in advanced STEM programs needs creative innovation.

### **Role of Technology in Education**

Our education system encourages technology. We not only assure that the students understand and know technology but also encourage the use of it. Most schools today have computers 1:1 and use technology in their teaching as well. Students as well as their parents are becoming technologically sound. So children and their parents are in touch of latest scenario.

All schools will be digital as soon as possible. We have a balanced education system which gives equal weightage to computerization, manual work and superior matter. Many State boards as well as the Central board are providing up to date textbooks to the children. Motivational stories have been included in the textbooks. Kids must respect one another and accept each other's deficiencies. Human aspect of the education needs to be preserved with technology.

### **Innovative Ideas of Education**

The toughest task for any teacher is to attract the attention of each student and passing on beliefs successfully to make a long-term impression. As a teacher, to fulfill this task, successfully, you should incorporate out of the box ideas to make the learning experience a pleasure for your students. So here we present the innovative ideas that will cater you to rediscover your teaching methods and hike the interest element of your teaching. Help of tools may be taken to motivate innovation. Playful games may be included or types of visual exercises that will thrill young brains and catch their attention. This is a tried and tested technique to find out the creative abilities of all the young minds and motivates creative offerings. Features of inventiveness should be brought into all your subjects. Explore the means of developing their inventive ideas. Support varying ideas; give students the independence to testify. Audio-visual materials should be used to augment the textbooks during your classes. Audio – visual materials may include prototypes, filmstrips, motion pictures, images, visual representations or other brain exploring equipments. Such equipments will encourage students' intellect to rise many times.. These techniques will advance students' listening skills but will also enable them to grasp the ideas better. If you like technology, there are lots of smart applications for toddlers that you can put to use to generate marvelous presentations. Injecting real-life happenings into your lessons will add freshness to the teaching and enhance school learning. Teaching learning materials will be more effective when they are connected and expressed with real-world examples. It will ignite student's attentiveness and will increase their eagerness and attachment towards studies. Idea sharing should be made a regular feature of teaching. The idea sharing increases the creativity among students. When so many people deliberate on a single concept, it ensures participation of everybody and makes learning more fulfilling for all. These idea sharing assemblies provide an excellent stage to the students to present their views with no worry of scoring or mark. You should carve out rules to follow during idea sharing assembly. What type of idea sharing is too employed for a particular topic should be decided in advance? For best learning on one

topics, idea sharing assembly should be organized at offsite location. The industrial/recreational trips may be organized for better understanding of some topics while for some just a trip to school playground is sufficient. This will increase the involvement of the students and will ensure much better results. Role play is another important innovative mode of teaching as it makes students connect with the topic and add to their personality development. This technique is very useful for the teaching on literature, historical events or latest happenings. This technique will make students understand the practical relevance of what is being taught. Role play works for students of all age groups. A little bit of conditioning is required for each age group. This method is also effective in teaching toddlers. Portrayal is another popular way to teach topics in which visualization adds to the learning. It is a widely used technique for teaching history. This makes for very easy understanding of even the complicated topics. Use of portrayal as a mode of communication also needs to be encouraged. A healthy classroom environment does wonders for the learning of the students. Excellent environment in the classroom will increase students' involvement and ensure comprehensive learning. You cannot expect very young students to sit for whole day and learn. A positive environment makes the things best for both teachers and students. A free - mind approach will make teachers to employ innovative education techniques. Most of us claim of being open – minded but it is a basic human nature that we do not like changes. Teachers have to employ innovative ideas in the study rooms. Administrators also need to ensure that teachers are not overburdened. As very heavy workload negatively impacts the innovation, sufficient free periods should be provided to the teachers for rejuvenation, so that teachers can teach with same passion and interest the whole day. Cooperative efforts always yield best results.

Teachers should spend healthy time with each others. They should discuss the ways how to make teaching better? Such discussions carve out best of the teaching techniques. Inclusion of rattles and sports makes the learning interesting. Children attention comes automatically by using these. They make students creative and ready for challenges. Formation of social clubs among students and teachers for positive recreation needs to be encouraged. Teachers may discuss interesting topics with students in these clubs. If you wish to be a creative teacher, you have to work on it. Read books related to innovation and start loving your profession. Make your life less stressful. Watch meaningful movies. All these add to your creativity and more creative you are more you innovate while teaching.

### **Benefits of Innovation in Education**

There are lots of evidences that technology when used properly is very helpful for students' learning. Technology is very useful for inhaling knowledge; it is helpful in communication also. Educators and management employ electronic devices to send materials and information to students and parents. Technology helps students in their homework as it allows them to consult online term papers and other educational applications and enhances their learning. Here are the important benefits of using technology in the classroom: It makes learning exciting and participative especially for young students who have the knowledge of latest technology. It facilitates quicker and more efficient way of teaching both in the school and at home. It minimizes the requirement of textbooks and related printed material making the teaching–learning process more cost effective. It facilitates cooperation. Effective cooperation and clear communication among students, teachers and parents can be ensured. It helps to raise the experimental skills, allowing students to learn in quick pace and helps them to seize and take the full benefits from the tools that technology offers.

### **Limitations**

It is beyond doubt that innovations have revolutionalized in the field of education but there are certain limitations to it as well. Use of technology involves substantial expenditure, teachers are not fully trained to handle technology and learners are becoming less diligent as everything is available on the internet in very easy way. Server and connectivity issues lead to wastage of time, doubts have been raised about the authenticity of the data of various websites, it is tough to monitor whether students are actually studying on computer or spending time on social networking sites, technology has been misused to develop high tech means of cheating etc.

### **References**

- <https://www.entrepreneur.com/article/319725>
- <https://www.indiatoday.in/education-today/featurephilia/story/-1023702-2017-07-11>
- <http://www.oecd.org/education/ceri/GEIS2016-Background-document.pdf>
- <https://yourstory.com/2017/08/innovative-education-india>.