EDUCATION 5.0: WHAT DOES IT MEAN? HOW IT WORKS?

Sandhya Yadav
Assistant professor, College-MIMT
Collage, Greater Noida

Abstract

Education 5.0 is the use of new technologies to provide a more humane education, with a focus on the social and emotional development of students and solutions that improve life in society. All sectors of society - such as work, industry and health - understand that technology can (and should) improve the quality of life. And it cannot be different from education, which is the basis of human education. Find out here what Education 5.0 is, how educational institutions can prepare, and the difference between Education 4.0 and 5.0.

Keywords: *Education, Technology, Development, Human Education*

Introduction

Education 5.0 is the use of new technologies to provide a more humane education, focusing on the social and emotional development of students and solutions that improve life in the community. All sectors of society - such as work, industry and health - understand that technology can (and should) improve the quality of life.

What is Education 5.0?

Over the past decades, we have witnessed an explosion of digital transformation and new technologies in everyday life. Artificial intelligence, the Internet of Things, data processing, and other tools are being introduced into our lives and businesses. With the Covid-19 pandemic, life is becoming more digital and not everything is different in educational institutions**.** Online courses and distance learning are no longer a trend but a reality and everyone has to get used to it. But beyond gadgets, the pandemic has highlighted the need to prepare people for adversity, for emotionally intelligent people who know how to turn digital transformation into a tool for social transformation. And that is exactly what Education 5.0 is all about: a series that links digital and technology literacy with social and emotional skills to promote happiness.

What is the difference between Education 4.0 and 5.0?

Even when we're talking about Education 4.0, Channel 5.0 came along quickly, and broke those notions. In Proposal 4.0, the role of technology in education is to enhance speed, accuracy, and knowledge in teaching. The main idea is to bring Industry 4.0 technologies - the Internet of Things (IoT), artificial intelligence, machine learning, gamification, and others - to teaching and learning institutions.

The goal is to bring education closer to the technological developments already in use by society and business, and to create more direct communication with new generations who can no longer live without work. turmeric. Education 5.0 is the result of this idea. It does not override the Education 4.0 recommendations, but adds a more human perspective on learning, including social and emotional competencies to promote lower environmental impact on health and well-being. Higher safety.

Benefits of education 5.0

If Baby Boomers, X and Y Generation has education based on technical knowledge of vocational training, the Z generation currently has access to education 5.0. Educational institutions can present this aspect of their teaching philosophy and their management processes can develop, in addition to technical knowledge, such as:

- work team
- The relationship between the best individuals, sympathy and diversity
- creative
- Conflict Resolution
- More liquid communication
- All these real skills are necessary to stay in society 5.0.

What is the relationship between education 5.0 and society 5.0?

The 5.0 company is a concept developed in 2016 in Japan, which means the use of modern technological developments in the name of the company and the happiness of the planet. In addition to developing technology to increase productivity or profit, these changes will aim to improve people's life, facilitate daily problems and reduce environmental effects. Similarly, there is the Education 5.0 programme, which aims to train young people to find solutions to social problems through technology.

How can you implement Education 5.0 in educational institutions?

Education 5.0 can also be applied to other types of organizations, both public and private, from basic education to graduate school. Moreover, not only distance education will benefit, but also face-to-face educational institutions. It's important to know that Education 5.0 in action is about more than just distance learning. It also requires:

Invest in educational technology

Many educational institutions are stuck in time when it comes to technology. Even when they have management software, these platforms are not always integrated and the

educational and administrative processes are separated.

Teacher training

And it's not just educational institutions that are lagging behind. Many professionals are left behind and still teach when they learn early in their career. To move towards Education 5.0, it is essential that teachers be trained in this new perspective. If in the past the focus was on developing students' technical abilities, now it's about focusing on soft skills.

What is the role of the education management platform?

In this regard, the new educational management platform plays an essential role. Its main task is to unify educational and teaching processes with general academic activities. An integrated platform can collect, process and analyze data across all operations and provide unified cloud management for all in:

- Students' choice
- registration
- Marketing and PR
- Document and data management
- Human Resource Management
- financial orientation
- Information Technology Management

Integrated processes help ensure the strength of your institution's financial management, make processes more flexible, agile, and less bureaucratic, and improve student experience through digital communications and more personalized. And of course, teaching also improves. This digital transformation is an essential step to enrich learning and adapt to new societal needs. From this perspective, an all-in-one platform (with digital recorder, digital diploma, CRM, billing, e-commerce, analytics, BPM and R&S solutions) such as SYDLE ONE can be the perfect solution for adapting your facility to "education" 5.0 and process optimization your own. Learn more below:

- **The digital recorder-** allows you to manage your academic, educational and administrative archives in a completely digital way, with a 360-degree view of all data and documents, in compliance with all legal requirements.
- **Digital Diplomas-** allows your organization to create diplomas and certificates, always updated with the latest versions of XML and in line with regulatory requirements, thanks to a simple and flexible process.

- **CRM** (Customer Relationship Management) helps manage students and facilitates all communications.
- **Invoicing** automates the management of student payments and reduces errors.
- **BPMS** (Business Process Management System) is the process responsible for automating various corporate processes, such as registration, document management, administrative processes, personnel and other software operations.
- **Analytics** allows your company to get an overview of all requirements and processes.
- **R&S** (recruitment and selection) helps manage all human resources, and finally e-commerce helps deliver digital courses, facilitate registration, reduce costs and increase availability. Learn more about the role and trends of technology in education.

Education 5.0: Focusing on Students, Not Technology

Involve more ministries in developing a vision for education. Education has been under a lot of pressure over the past year. Before we knew it, lessons were often taught on screens rather than in a classroom. Interaction between teachers and students has been reduced.

A necessary short-term solution, but not the best option as we move forward. Together with other related ministries, the Ministry of Education should develop a more comprehensive view of education and the role of technology and youth health.

Education without personality

"Efficient, cost-effective and easy to use: technology offers huge potential for education," said Kristina Dervojeda, Director of the Innovation Research Center at Price waterhouse Coopers.

However, we have found that this is causing many schools - even primary schools - to turn to an 'inhumane' version of education. This involves minimal human interaction and a shift in decision making from people to technology. Today, children use technology to learn basic skills like reading, writing, and math. This trend is observed not only in classical schools but also in schools with a specific educational philosophy, such as Montessori schools. "I'm worried," said Kristina Dervoyda. Working this way can be a good short-term solution in unusual situations like the current corona virus crisis, but it can have a very detrimental effect on students in the long term. Research shows that younger age groups (under 12 years of age) are particularly susceptible to these effects. Developmental retardation, aggressiveness, depression and digital addiction are just

some of the effects we see. This tells us that we must be very careful when relying on technological solutions.

A long-term vision for a desirable education-

Politicians need to devise a long-term vision for this. This is not only the task of the Ministry of Education but all related ministries. The use of technology in education is expected to increase, even in the aftermath of coronavirus, said Robert Losberg, partner and chair of the education group at PwC. It would be great if the government came up with a long-term vision on how to properly integrate technology into education without losing the human aspect.

The political quest to make education more relevant

According to Loesberg, technology can be of great benefit in tailoring education to specific needs. "Technology can help reduce inequality of opportunity by supporting children in the subjects they struggle with. It makes education less universal.

Dervoyda added that the government should focus more on student outcomes. There should also be less focus on teaching individual subjects and more on cross-curricular topics such as sustainability, energy and health. "It will make education more relevant for the students themselves but also for society as a whole. It is the duty of our politicians.

Recommendations for the new government to develop a global vision:

- Technological transformation approach from the perspective of the desired learning outcomes for all and without placing technology at the center of educational curricula.
- Encourage initiatives to identify and disseminate good examples of the components of Education 5.0.
- Encourage education and training providers to develop common guidelines for the design and implementation of Education 5.0 and encourage their adoption.
- Encourage initiatives to track, analyze and prevent bad examples of digital education.
- Develop guidance for education providers and students on data protection and privacy, as well as other aspects of digital ethics.
- Providing a healthy environment in schools that takes into account the significant increase in the use of technology. Examples include reducing/eliminating electromagnetic radiation in schools, encouraging physical activity for students, and initiatives to educate students about the consequences of excessive screen use.

How Important is Education 5.0?

National Education Policy (NEP) 2020 is a new education policy promulgated by the Government of India on 29th July 2020. The first Education Policy was formulated in 1986 and revised in 2005. 1992. The main objective of the National Education Policy (NEP) is the transformative reform of the public and higher education systems. The NEP is based on four pillars, namely access, equity, quality and accountability. In NEP 2020, the 10 + 2 school education structure has been changed by restructuring 5 + 3 + 3 + 4 for students from 3 to 18 years old. The new curriculum structure is designed to benefit learners at different stages of development such as 3-8, 8-11, 11-14 and 14-18.

- The preparatory stage will be 5 years: 3 years of pre-school, 1st and 2nd grade
- The preparation period will be 3 years: grades 3, 4 and 5
- Preparatory stage and beyond will be 3 years: sixth, seventh and eighth grade
- Middle or high school will teach 4 years: grade 9, 10, 11, 12

All of the above steps will incorporate Indian and regional traditions, moral reasoning, social and emotional learning, quantitative and logical reasoning, digital literacy, critical thinking, computer and scientific manipulation, language and communication skills.

Benefits of Education 5.0

- Taking human traits as the center of education
- Student Participation Program
- Not only taking into account the possibility of obtaining a job, but also taking into account the needs of the community and the educated
- Preparing students for lifelong learning
- Personalized, relevant and flexible learning

Some important features

Here are some important features of Education 5.0

- One of the most important features of the Education 5.0 program is individual education, where there is a learning environment for each individual according to his educational style and environment, as each individual has his own educational style, speed, curiosity, and different stages of development. .
- Another feature of Education 5.0 is the Student Participation Program, where students participate in the development and creation of the program. With student input, it is easy to understand what is most important, interesting, and cohesive for

students. Only then can students actively and effectively learn and prepare for the future. In the current era, education cannot be completed independently without technology; Therefore, the cooperation between education and technology is a must.

- Teachers cannot detect and resolve conflicts between individual students in a class. For this purpose, there are AI-based training programs that can be easily downloaded to tablets, and AI programs that recognize attention and emotions in the classroom environment.
- Continuous improvement is also a much-needed feature of Education 5.0, as learning improvement can happen anywhere, anytime, by anyone and from any 'educational' source. We all know that learning becomes more effective at your own pace and in your field, according to your curiosity. Due to its employees, it is possible to constantly develop according to their abilities and interests.
- Another important advantage is education in the mother tongue/regional language whenever possible, at least up to Grade 5, but preferably up to Grade 8 and above in public and private schools. The policy also recommends that textbooks be written in the mother tongue/native language. The three languages children learn will be the choice of states, regions and students, provided that at least two of the three languages are native to India.
- Another feature is the detailed 360-degree multi-dimensional analysis; Accordingly, there will be a major change in the academic records and school newspapers of all departments. This report card will include a "detailed 360-degree multi-dimensional analysis" of each student's cognitive and language development as well as project assignments, quizzes, students' roles in various activities, and teacher assessment.

Conclusion

"Personalized Education Using Technology" is the focus of Education 5.0. Together, all stakeholders such as students, teachers, parents, community and nation will work in harmony to make Education 5.0 a success.

References

1. Accenture, Making the Most of the Connected Industrial Workforce, https://www.accenture.com/us-en/_acnmedia/PDF-13/Accenture-Connected-Industrial-Workforce-Research2.
2. education/https://digitallearning.eletsonline.com/2018/12/is-indian-education-sector-ready-for-industrial-revolution-4-0/
3. Education Sector in India (2019).www.ibef.org

4. FICCI and EY Report 2015. State Focused Roadmap to India's ‘Vision 2030'
5. Global Innovation Index, 20186.
6. https://www.economictimes.com
7. https://www.essentracomponents.com/en-gb/news/news-articles/is-industry-50-really-all-that-different-from-industry-40
8. https://www.futurereadyedu.com/what-is-education-4-0-how-you-can-adapt-this-in-the-learning-environment/
9. https://www.indiatoday.in
10. https://mhrd.gov.in