



EDUCATION 5.0: THE NEXT GEN TEACHER

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Abstract:

Education 5.0 represents a future-focused approach to learning, emphasizing personalized, flexible, and lifelong learning, leveraging technology to equip individuals with the skills and adaptability needed for a rapidly changing world.

In the recent day Indian Society is facing many challenges due to social change, cultural change and modernization of the Indian Traditions and Culture. Today many amenities are available in the society. Technology is able to provide all door to door services to the society. Education is providing new opportunity and platforms to the new generations. AI has made drastic change in the Indian society. Agriculture, Industry, Education, Information and Communication Technology, Transport all sectors are providing good services to the society. After looking all these available resources education need to make sudden jump. Unfortunately many surveys are indicating that Indian education system is not having satisfactory growth. After the 75 years of independence we are still running behind the literacy. Foreign countries are focusing more on the research and individualized learning. Our universities and teachers need to make competition with the global universities. Making change in education system and taking involvement of Indian Youth is not possible without the technology and without the AI. Education 5.0 will be able to focused individual approach of learning for creating lifelong learners

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Introduction:

Education 5.0 is the culmination of advanced technologies, personalized learning, and the development of human centric learning, emphasizing individual empowerment, innovation, flexibility and inclusivity.

Education 5.0 is the **use of new technologies to provide more humanized teaching, with a focus on students' social and emotional development and solutions that improve life in society.**

All social spheres – like work, industry, and health – have come to understand that technology can (and should) be favourable to life. And it couldn't be any different with education, which is the basis of people's upbringing. Learn here what Education 5.0 is, how educational institutions can prepare themselves, and the differences between Education 4.0 and 5.0.

Conceptual Definition: Education 5.0 is the **use of**

new technologies to provide more humanized teaching, with a focus on students' social and emotional development and solutions that improve life in society.

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Objectives:

1. To explain conceptual meaning of Education 5.0
2. To explain study areas of the Education 5.0
3. To explain relationship between Education 5.0 and Society 5.0
4. To Interpret role of the teacher in Education 5.0

Tools of Data Collection:

Researcher has collected information of the present study by literature review from different websites related to Education 5.0, Education 4.0 and Future ready classroom. Researcher has also referred library literature available on Education 4.0 and 5.0. Researcher is also teaching to the PG and UG students of the Education on same subject area. Opinion of PG students are also consider to interpret the information

Tools of Data Analysis:

Researcher has collected information for present study from literature used content analysis technique for data analysis. Researcher has developed content analysis chart as per the objectives of present study & expert's opinion. Narrative notes of expert opinions is prepared & written in chart. Data is code & main points is consider for data interpretation.

Research Methodology:

Present study is completed by Qualitative research. Present research uses the data which is descriptive in nature. Tools that researchers used in present study are observations, conducting interviews, conducting document analysis, and analyzing participant products such as diaries, images of certificates. Present study comes under the Descriptive research methods & Applied Research category. From Qualitative research methods researcher has selected Narrative Study Method for present study. Own experience of researcher is also added in qualitative inquiry in given study.

Core Principles of Education 5.0 :

Education 5.0 basically stands on the principles of the individual approach of lifelong learning, student's centric learning, and practical approach of the learning with the positive support of the technologies. Following are the few major principles of the Education 5.0

- **Personalized Learning:** Tailoring education to individual needs and learning styles.

- **Lifelong Learning:** Encouraging continuous learning and development throughout one's career.
- **Flexibility:** Adapting to different learning environments and paces.
- **Human-Centricity:** Prioritizing the development of social and emotional skills alongside technical skills.
- **Technology Integration:** Leveraging technology to enhance learning and make it more accessible.

Key Features of Education 5.0

- **Focus on Skills for the Future:** Equipping learners with the skills needed for emerging industries and challenges.
- **Emphasis on Collaboration and Innovation:** Promoting teamwork and creative problem-solving.
- **Accessibility and Inclusivity:** Ensuring that education is available to everyone, regardless of background or ability.
- **Digital Literacy:** Developing proficiency in using digital tools and technologies.
- **Examples of Technologies Used:**
- **Augmented and Virtual Reality:** Creating immersive learning experiences.
- **Artificial Intelligence:** Personalizing learning paths and providing adaptive feedback.
- **Online Learning Platforms:** Providing access to a wide range of courses and resources.

Benefits of Education 5.0:

- **Enhanced Learning Outcomes:** Personalized and engaging learning experiences lead to better understanding and retention.
- **Improved Employability:** Graduates are better prepared for the demands of the modern workforce.

- **Increased Innovation and Creativity:** A focus on problem-solving and critical thinking fosters innovation.
- **Greater Social Impact:** Education 5.0 can help to create a more equitable and sustainable society.

Difference between Education 4.0 and 5.0:

Even while we were talking about Education 4.0, the 5.0 chain arrived quickly, overwriting these concepts.

In 4.0's proposition, the role of technology in education is to promote speed, accuracy, and knowledge in instruction. The main idea is to insert **Industry 4.0 technologies** – the Internet of Things (IoT), artificial intelligence, **machine learning**, gamification, and others – into learning and educational institutions.

The goal is to bring education closer to technological advances already in use by society and companies, as well as to create more direct communication with new generations, who no longer can live without technology.

Education 5.0 is the **outgrowth of this idea**. It doesn't discard the proposals of Education 4.0, but it adds a more human perspective to learning, including social and emotional abilities in order to promote lesser environmental impact with greater health and safety.

Benefits of Education 5.0:

If baby boomers and Generations X and Y had an education based on technical knowledge for professional training, **Generation Z now has access to Education 5.0.**

Educational establishments that can introduce this aspect to their teaching philosophy and management processes can develop, in addition to technical knowledge, skills like:

- Collaborative work
- Better interpersonal relations, empathy, and tolerance of diversity
- Creativity
- Conflict management
- More fluid communication

All of these real skills are essential to survive in Society 5.0.

Relation between Education 5.0 and Society 5.0

Education 5.0 and **Society 5.0** are two distinct concepts, but they are interconnected and complementary in their approach to shaping the future of human development and societal progress.

Let's explore how these two concepts intersect and influence each other:

Mutual Enhancement:
Education Enhances Society:

Education 5.0 focuses on preparing individuals with the skills, mind-set, and adaptability needed to thrive in a rapidly evolving world. By nurturing critical thinking, creativity, and interdisciplinary problem-solving abilities, Education 5.0 contributes to the overall advancement of Society 5.0's goals, such as sustainable development and technological integration.

Society Enhances Education:

Society 5.0's emphasis on integrating technology, data, and human welfare directly impacts education. The availability of advanced technologies, data-driven insights, and immersive learning experiences enriches the educational process, enabling Education 5.0's principles of personalized, holistic, and continuous learning.

Holistic Development:
Education's Role in Holistic Development:

Education 5.0 emphasizes the development of well-rounded individuals with not only cognitive skills but also emotional intelligence, social awareness, and ethical values. This holistic development aligns with Society 5.0's focus on human-centric solutions that promote well-being, inclusivity, and ethical considerations.

Society's Impact on Holistic Development:

Society 5.0's aim to enhance overall human welfare encourages education systems to address broader societal challenges. This means that Education 5.0

curricula can integrate topics related to sustainability, ethics, social justice, and responsible technology use, aligning with Society 5.0's principles.

Technology Integration:

Education and Technology:

Education 5.0 leverages technological advancements to personalize learning experiences, offer interactive content, and facilitate lifelong learning. This mirrors Society 5.0's vision of technology as an enabler for improved quality of life and societal progress.

Society and Technology:

Society 5.0's tech-driven approach requires a population skilled in utilizing and innovating with emerging technologies. Education 5.0 plays a vital role in equipping individuals with the digital literacy and technical proficiency needed to actively participate in and contribute to Society 5.0's advancements.

Collaboration and Synergy:

Collaborative Ecosystem:

Both concepts promote collaboration between various stakeholders, including governments, industries, educational institutions, and citizens. Education 5.0 encourages interdisciplinary learning and collaboration, while Society 5.0 thrives on partnerships for technological and societal progress.

Synergistic Growth:

As Education 5.0 prepares individuals with the skills to engage effectively in a technology-driven society, Society 5.0 provides a platform for these individuals to apply their skills and contribute meaningfully to advancing societal goals.

In summary, Education 5.0 and Society 5.0 are intertwined in their efforts to shape a future that combines technological innovation, human well-being, and sustainable development.

Education 5.0 equips individuals with the skills and mindset needed for active participation in Society 5.0's tech-enhanced ecosystem, while Society 5.0 provides a

context where those skills can thrive and contribute to a more prosperous and inclusive society.

Application of Education 5.0 in Educational Institutions:

Education 5.0 can also be applied to other types of institutions, both public and private, from basic education to graduate degrees. Furthermore, not only distance learning will benefit from this, but also in-person institutions. It's important to know that putting Education 5.0 into practice is much more than just distance learning. It also requires:

Investment in educational technologies:

Many educational establishments are stuck in time when it comes to technology. Even when they have management software, these platforms aren't always integrated and pedagogic and administrative processes are kept separate.

Teacher training:

And it's not only the educational establishments that are behind the times. Many professionals are left behind and still teach the way they learned at the beginning of their careers. To turn viewpoints to Education 5.0, it's essential for **instructors to be trained in this new outlook**.

If before the focus was to develop technical abilities in students, now it is to concentrate on soft skills.

Role of an Teacher in Education 5.0:

In that regard, a new platform for education management plays an essential part. Its primary function is to unify instructional and pedagogical processes with academic operations as a whole. An integrated platform can **collect, process, and analyse data** on all processes and provide a unified cloud management accessible to all in:

- Student selection
- Enrollment
- **Marketing** and public relations
- **Document and data management**
- **HR management**

- **Financial management**
- IT management

Integrated operations make it possible to **look after the health of your institution's financial management**, make operations more agile, leaner, and less bureaucratic, and improve students' experience via digital and more personalized communication. And, of course, it also improves instruction. A digital transformation like this is an essential step for learning to be always enhanced and adapted to new social demands.

Characteristics of the Teacher in Education 5.0:

Teacher need to make some positive changes in our teaching and learning pattern. Following characteristics need to adopt by the teacher

- Enterpeunalar
- Risk Taker
- Short Attention Span
- Multitasking
- Digital Native
- Online Learners
- Visionary

Different Methods of Active and Participative Learning :

- Teaching through Social Media
- Website, Blog, Content Writer
- Podcast
- High Topical Article Writing
- TV, Print Media Participation
- Google Footprint
- Book Writing and ghost writers
- You tube channel, vlogger

Conclusion:

Need for transition to Education 5.0 The shift to Education 5.0 is driven by a strong need to match education standards in India to those of a fast-changing global economy. In this views on education can help us to understand this shift and its impact on economic productivity and stability. Concentrating on the value

of education is essential to achieving national success. According to him, a well-educated workforce boosts productivity, fosters innovation and ensures long-term growth. 2 Furthermore, the growth of education directly influences the economic prosperity of the country. Education 5.0 will play a key role in: Boosting economic productivity: Education 5.0 uses new-age advanced technologies to enhance productivity by fostering skill development and innovation. Anticipating technological disruption: Education 5.0 equips students to effectively navigate and keep pace with changing technological trends. Promoting global competitiveness: Investments in Education 5.0 prepare a workforce capable of competing globally.

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