

EDUCATION 4.0: FUTURE OF LEARNING

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Abstract

Education 4.0 will be an evolutionary need to cater to the Industrial Revolution 4.0 and the New-Age Society in general. Usage of technologies such as Internet of Things, Big Data, and Artificial Intelligence are evident in all walks of life today including industries, jobs and education institutions. This will require educational institutions to prepare students to work in this technologically transformed era. It will also require the existing workforce to continually upgrade their skills and knowledge to match these newly created job roles and their requirements. For this, appropriate changes in education system are essential to enable people worldwide to harness the opportunities created by the advent of these technologies. Education 4.0 with e-learning tools and applications will provide opportunities for remote, self-paced learning. The role of classrooms will change wherein majority of theoretical knowledge will be imparted online while practical knowledge will be imparted on physical mode. Education 4.0 will also have flexibility of technology and devices to be used by students to gain education. Techniques like blended learning, Bring Your Own Device, flipped classrooms etc. can be used to attain this objective. Education 4.0 will also enable personalised learning for students depending on their capabilities and interests. It will enable students to learn at their pace and focus on their interest areas resulting in better understanding of the concepts. It will also help teachers identify the strengths and weaknesses of students and guide them accordingly. Education 4.0 will change the teaching-learning process with incorporation of innovative tools and techniques in classroom. Adaptation of technology for diversity of learners present in the classroom will help the teachers to understand them better. Education 4.0 will prepare learners as responsible citizens, and their contribution will help for the betterment of society, nation and world. This paper discusses tools and techniques for enabling future learning, steps for implementation and suitability in specific scenarios.

Keywords: Education 4.0, Personalised Learning, Blended Learning, E-Learning, Technology.

Introduction-

Every child is gifted with potential in certain areas. She comes with a "right to earn a successful life" and the education system must enable her to do so. The basic purpose of education is to empower an individual to lead a successful life and contribute to family, society and nation. Education 4.0 is a desired approach to learning that aligns itself with the emerging forth Industrial revolution. This industrial revolution focuses on smart technology, artificial intelligence, and robotics. Usage of these impact our everyday lives.

Evolution from Education 1.0 to Education 4.0 -