

# **An Editorial**

## **New Education, New Development and Sustainability using Education 4.0**

Education 4.0 is lies on forth industrial revolution and it is responsible in advancing education systems. Since the inception of ICT the scenario of traditional education has been changed drastically and it has direct impact on educational pedagogy supported by various technologies and systems including automation. Education 4.0 is depends on creativity and emphasized basic requirement of IT and computing for a paradigm shifting with futuristic concepts. In Education 4.0 proper skill sets as well as adhering technology is must and it should be concentrate on leadership and other managerial skills. To reach this stage of 'Education 4.0', it has already crossed three previous phases and flexible and personalized learning. According to the educationalist and policy makers Education 4.0 is requires following for its complete attention.

- Diversity, Time and Place
- Personalized Learning and Education
- Free Learning Experiences
- Digital Education and Project Based Systems
- Field Experience, Education 4.0 and Digital Education
- Efficient Exam, and Evaluation Process with Student Centric Approaches
- Sophisticated Mentoring Systems & Remote Learning
- The surplus of educational and skill development tools
- Data at the fingertips

Gradually the philosophy of Education 4.0 has been changed and adopted in different institutions and organizations. Education Technology is the main technology and tool in promoting Education 4.0 and dedicated in enhancing Education 4.0 in real sense. Today it is very important that each organization as well as institutions are offering content timely and accurately and for this automation is treated as valuable using Education 4.0. Today all the stakeholders are adopting latest skill in different educational formats, including higher educational institutions for implementing Education 4.0. Thus revising as well

as remodeling of curriculum should be considered as important for launching new age and futuristic subjects. As there are shortage in skill development thus it is the need of the hour to introduce skill based curriculum for overall and complete development. Up-skilling and making curriculum is very much essential course of action in Education 4.0. Digital and Technology Skill is also required in advancing and realizing Education 4.0 for the students, faculty and staffs.

The entire education system has been changed drastically after the development of the Technologies and it is reflecting it society and different sectors. The Education 1.0 has been transformed memoristic education where traditional contents playing an important role with aspects in deliver of knowledge. Though the development of Computer Systems gave the birth of Education 2.0 integrated with technologies with proper educational process and delivery. Later the growth and development in Networking Technologies and its impact in Education Technology results Education 3.0. Later, More Advanced and Intelligent IT and Computing helps and promotes Education 4.0 which believes more personalized education with pure and healthy flexibility. Today modern world is changing drastically with learning activities and the educational model also been changing with the development of the education system. Skill is vital for complete development and Education 4.0 are responsible in bringing of such educational ambience. Digital Education including E Learning, Educational Informatics, Online Education etc. are positively impacting and changing entire higher educational scenario.

### **Editor(s) in Chief**

**Dr. P.K. Paul**, *D.Sc. (IST)- UA Mexico, PhD (IST), PDFC (EIS), FAU (Mexico), FBSS, FLARA Executive Director (MCIS Program) & Asst. Professor (IST), Head/ Coordinator, Dept. of CIS and Information Scientist (Offg.)*

**Raiganj State University, West Bengal, India**  
*Hony. Secretary, International Centre for Interdisciplinary Studies (ICIS)*

**Chaitanya Deemed University, Hyderanad, India**  
*Chief Advisor, (Innovative Program & Research Planning)*

**Srinivas University, Mangalore, India**  
*Honorary Professor, Logos University Int., Louisiana, USA*

**Dr. Ricardo Saavedra Hidalgo**, *M.Ed. M.Sc. PhD, FISROSET Director & Chair International Programs Azteca University Palma No. 61, Barrio San Antonio México, North America*