

# Digital Age Education and its Applications in Higher Education

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## Abstract

In today's digital age, education is in the age of knowledge (knowledge age) with the acceleration of extraordinary knowledge improvement. The acceleration of knowledge improvement is supported by the application of digital media and technology called information super highway. Education is becoming increasingly important to ensure students have learning skills, innovation, creativity, entrepreneurship as well as technology and information media skills and can work, and survive by using life skills. 21st century skills are (1) life and career skills, (2) learning and innovation skills, and (3) Information media and technology skills. The three skills are summarized in a scheme called rainbow 21st century knowledge-skills rainbow. The scheme was adapted by the nonprofit P21 which developed the 21st century education framework worldwide through a [www.p21.org](http://www.p21.org) site based in the Us state of Tuscon. The improvement of teacher professionalism starts from individuals studying teacher education or equivalent to undergraduate education. At this stage, they are equipped with knowledge and skills in the field of scientific substance and pedagogical substance. The implementation of teacher education must have a large portion in terms of pedagogical practice, which involves the ability to master material, chase, and technology. Higher education must now be able to facilitate all of these things and have an obligation to organize education in the direction needed. Innovations in the implementation of education have been widely done, from self-competency oriented to the development of learning infrastructure. The digital age has become a necessity of the community so that higher education must be able to adjust the learning process needed today. The general goal is to build motivation, engagement, and achievement in learners. If this can be realized, then the internal motivation of the individual to become a professional graduate is no longer limited to wishful thinking

## Keywords

Digital Age, Higher Education, Learning process, Skills, Human Resources