



# UDAYAN



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# Digital literacy and skills for online education

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Abstract:-

Digital literacy refers to the skills required to effectively search, evaluate, utilize and communicate using digital technology. It includes abilities ranging from basic tasks like sending email or browsing the internet to more complex activities or tasks like coding or digital content creation. At present, digital literacy and skills are very important for online education. In this type of education, people are studying in a digital environment. At present, smart phones, social media, e-commerce, critical thinking, problem solving and cyber security awareness are becoming a necessity for people.

As we are entering the digital age, we have started understanding their utility and importance and it is becoming a fundamental need. It is a fundamental skill that empowers us to move forward in the digital age. Digital literacy is not just a skill but a necessity. Today, to promote digital literacy and skills, students are being provided education from school level itself, along with workshops and training are being provided from time to time, online resources are being made available.

Today, through online education, information about all things can be obtained in a short time while sitting at home. Digital literacy and skills are essential for people to participate in technologically informed society, have educational success, good career in the future, and employment prospects. Digital literacy and skills empower individuals to access information, communicate effectively, secure employment, think critically, solve problems, and navigate the digital landscape responsibly.

Key words: - Digital, Technology, Literacy, Resources, Smartphone, Social media, Cyber security

# Use of Technology and Online Resources in Teaching Learning Process

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## Abstract:-

Undoubtedly the use of technology, during and after the Covid-19 lockdown period has increased dramatically not only in the field of teaching and learning but also in every field of human activity. All the aspects of our life are impacted, including education. In an age determined to get new paths to quality education, ICT brings forward countless of advantages, enabling children with the proper skill and outlook to remain ahead in the increasingly aggressive rat race. Digital technology and marketing not only change the perception of learning and teaching, but also change their attitude towards the utilization of online resources or cyber resources.

There is great need of digital infrastructure and safe platform, better internet connectivity, and well equipped cyber professional in developing countries like India Educational institutions is evident with the increasing use of cyber resources for better and effective use of teaching material in teaching and learning process This is why variety of faculties is increasingly integrating ICT in their grade school education system. Through this unique pedagogies, student gain a genuine learning experience, collaboratively constructing their own knowledge and applying their learning's during a real-world context.

Keywords: Outlook, aggressive, uncomplicated, cyber resources, Digital.

# **Role of digital literacy in improving teaching competency: A study on Indian secondary education**

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Abstract:-

Teaching as a profession has changed to meet society's budding needs, goals, and realities. To achieve best learning outcomes, instructors must possess a variety of skills, including classroom management, resource management, and the ability to observe behavioral changes in pupils. The significance of a teacher as a builder of future generations requires the most capable, digitally efficient, motivational and creatively crafty individuals be accepted into this noble profession. Technology has facilitated the creation of pre-service and in-service teacher education programs.

As there is a growing need for competent teachers at all levels of education, and teacher education programs that claim to generate competent teachers must be evaluated based on how well they develop the competencies, skills, and attitudes required for successful teacher functioning. This article tries to identify the need for digital literacy training for teachers in Indian schools. It also examines the importance of technological adaption among instructors in order to increase their ability. The study is descriptive in nature which is relying on analysis of the secondary data for investigation. This study would seek to discover how instructors might improve technologically in order to satisfy their upcoming teaching obligations.

Keywords: - Teaching competency, digital literacy, training need, opportunities

# Digital Technology and School Education in the National Education Policy-2020

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Abstract:-

After a lengthy wait NEP 2020 is the long-awaited policy that follows 1986. The NEP's dependence on educational technology is commendable, and the policy brings about a dramatic change in every facet of education. The enactment of the New Education Policy (NEP) by the Union Cabinet of India on 29 July 2020 stands as a very significant policy in the 21st century. The approach places significant emphasis on several educational components, including the integration of digital technology, therefore demonstrating its transformative scope. The use of digital resources in educational settings has shown significant growth in the twenty-first century. Digital technology is crucial in transforming the global economy by facilitating the transition from a reliance on obsolete techniques and technologies to one that relies on cutting-edge digital advancements. In order to safeguard and optimise the potential offered by a system that is substantiated by evidence and technology, it is imperative to give precedence to universal foundational education and eradicate disparities in digital accessibility and utilisation. This post will mostly concentrate on the technology components and execution of the policy.

The use of digital technology in the classroom may enhance students' readiness for both their personal and professional endeavours. In order to effectively disseminate information and skills and address global educational demands, it is imperative to acknowledge the significance of digital technology as a phenomenon in education teaching. Important components of educational technology include platforms and tools that provide instructors with new methods to disseminate material and involve students in active learning. The educational system's capacity to empower and produce desired results will be greatly enhanced by digital technology.

Keywords: Digital Technology, Higher Education, Transformative and Emphasis.

# Teaching and Learning Method for Smart Education

Abstract:-

In the era of smart technology, the landscape of education is rapidly evolving to embrace innovative teaching and learning methods. This paper explores the integration of technology into education through a comprehensive approach aimed at enhancing student engagement, collaboration, and knowledge retention. The methodology involves the use of interactive multimedia tools, personalized learning platforms, and adaptive assessment strategies to cater to diverse learning styles and preferences. By leveraging the capabilities of smart devices and artificial intelligence, educators can create dynamic learning environments that foster critical thinking, creativity, and lifelong learning skills. Furthermore, the paper discusses the importance of teacher training and professional development to effectively implement these methods and maximize their impact on student outcomes. Overall, the proposed teaching and learning method for smart education represents a paradigm shift towards more efficient, effective, and inclusive educational practices in the digital age.

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# Digital Skills: Increasing Teacher's Digital Literacy

Abstract:-

Digital literacy is commonly known as an individual's ability to find valuable content, evaluate it thoroughly and communicate it virtually or digitally with other people. It can also be defined as knowledge and awareness about the digital world. In the 21st century, the importance, value and need of digital literacy cannot be sidelined, especially for teachers. The world of education is now running online, students are more comfortable in continuing their studies online. In order to fulfil the educational needs of the students, teachers need to keep themselves updated with the latest technology and teaching trends.

As education systems and ministries worldwide continue to adapt to the pandemic and its aftermath, it's clear that digital education technology is now embedded in mainstream education. Teachers often struggle to implement educational technology in their classroom, which has been exacerbated by the sudden need to use multiple platforms, interfaces and modalities. This is especially true within classroom setting, where its often blended with traditional, paper-based method.

The challenge is to increase digital literacy across the teaching profession to embedded digital skills within professional development rather than as an added requirement.

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