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## DIGITAL TRANSFORMATION PLATFORMS SYSTEM LUMINATES LIGHTS FOR EDUCATION SECTOR

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### Abstract

The digital transformation of teaching processes is lead the way and supported by the use of technological, human, organizational and pedagogical drivers in an overall. Education objective to equip students with cognitive, social, interpersonal, technical skills, among others, in the face of the needs of the Fourth Industrial Revolution and global challenges, such as mitigating the causes and effects of climate change based on people's awareness. This work presents the development and experimentation of a method, called TADEO – acronym in Portuguese language to Transformacao Digital an Education (digital transformation in education), to guide the design and application of teaching and learning experiences from groups of drivers of the digital transformation in education, aiming to achieve Education objectives. The future of such a transition looks promising. However, transitioning from one mode of education to another is not easy. Historically, when educators adopt new tools, learning still continues in the conventional manner. Based on the responses of 50 students, this paper studies the Difficulties of Digital transformation in the Education sector. The research is extremely beneficial in evaluating the scope of societal opposition to change.

**Keywords-** Digital, teaching, online, Education, e- learning, system, SWAYAM

**Preparing for the Research-**According to the Future of Jobs 2020 report (WEF, 2020b), the development and improvement of human skills and capabilities through education, learning and work are the main operator of economic success, individual well-being and social unity.

India, a nation with a rich cultural heritage and a speedily growing economy, is hold digital transformation as a key driver of progress and development. The government has applied a series of policy initiatives aimed at building a strong digital infrastructure and fostering a vibrant technology ecosystem. India's digital infrastructure, including internet connectivity, data centers, computer software and cloud computing services, is speedily expanding, providing the structure for a digitally enabled society (IBEF, 2023). These initiatives hold immense promise for revolutionizing many sectors, including education, healthcare, agriculture, and governance.

**Introduction-**Education was one of the first sectors to experience the effect of COVID-19. to address this issue institutions of higher, secondary and primary education have changed to an online communication platform, setting up a new quality structure and revisiting the profile of learning for coming generations. The outbreak has fastened the restructuring of higher education, propelling it further toward Education. Additionally, NEP 2020 includes several reformative measures that are a step in the correct direction. The NEP demonstrates an overall predisposition



toward innovative approaches by addressing issues of equity, inclusion, accessibility, exploratory, and experimental learning, all of which are necessary components for transitioning into Education and beyond. Education's future may be a synthesis of transformations prompted by Education, NEP 2020, current pandemics, rising student requirements, and the latest technology. This research paper has attempted to examine some of the most important issues in higher, secondary and primary education in today's era and tried to make pertinent recommendations.

### Objectives of the study

1. To study the concept of digital transformation
2. To study the concept of MOOCS
3. To study the concept of SWAYAM
4. To study the Government of Maharashtra e learning system

**Research Methodology** -The article is based on secondary data collected from various journals, newspapers and websites. The methodology consists of a conceptual discussion on the highlights of the digital transformation and the focus of this article is on the current digital transformation system in educational policy of India the research was extensively qualitative in nature and relied mostly on in-depth and open- ended interviews.

**To study the concept of digital transformation-** Digital transformation is the process of using digital technologies to transform existing traditional and non-digital business processes and services, or creating new ones, to meet with the evolving market and customer expectations, thus completely altering the way businesses are managed and operated, and how value is delivered to customers. Digital transformation is the integration of digital technology into all areas of a business, fundamentally changing how you operate and deliver value to customers. It's also a cultural change that requires organizations to continually challenge the status quo, experiment, and get comfortable with failure.

**Digital Marketing Platforms** 1) Google Ads: A popular platform for targeted advertising, offering features like search ads, display ads, and video ads 2) Facebook: With over 2.9 billion active users, Facebook is an ideal platform for businesses to reach their target audience 3) LinkedIn: A professional networking platform with over 810 million users, ideal for B2B marketing and recruitment 4) YouTube: A video-sharing platform with over 14 billion visits every month, suitable for businesses to promote their products or services through video ads 5) Amazon: A leading e-commerce platform with over 2.2 billion monthly visitors, offering advertising options for businesses to reach their target audience

**Digital Platforms Government Initiatives-**1) Digitize India Platform (DIP): An initiative by the Government of India to provide digitization services for scanned document images or physical documents 2) Digital India: A program aimed at transforming India into a digitally empowered society, with initiatives like Aadhar, UPI, and CoWIN

**Other Digital Platforms-**1) Twitter: A social media platform with over 2.4 billion sessions recorded in 2021, suitable for businesses to promote their products or services 2) Pinterest: A visual discovery and planning website with over 7 million users, ideal for businesses to showcase their products or services



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### **To study concept of MOOCS:**

In a layman's term, MOOCs is a concept of free of cost education available for all from anywhere at any time. It is an online programmer platform where all the world renowned universities provide their courses online on several disciplines by demand as well as charging a nominal fee. Usually, MOOCs contains a series of 10-20 minute lectures followed by built-in test, weekly online assignments and professor/instructor moderated discussion forums. It is quite a new concept in India although it has already reached to larger masses seeking higher education. According to the data from some of the major MOOCs added' edX, Udacity, Coursera, Udemy and Futurelearn, India is currently the second largest market after US for online courses. From a recent study, MOOCs has reached about 12 million students globally since it began in 2008. This could also be seen as a disruptive force that could threaten the old system

**MOOCS IN INDIA:** Distance education and open universities as we know gave new area to achieving academic hunger to young people. Those who were bound due to geographical areas, finance fund discrimination by society received an advantage to touch new heights. Many initiatives have been taken by the Indian government to provide and support concept of open education. The idea of online courses came into play and India started to work for this. In 2013, government launched e-PG Pataskala run especially for postgraduate course and it is managed by INFLIBNET of UGC. Many universities, government organizations such as IITs, IISc, IIMs, INFLIBNET, ERNET, IGNOU, KC, NISO, WHO etc have taken various initiatives to contribute towards the national goal of MOOCs.

### **To study the concept of SWAYAM:**

SWAYAM stands for "Study Webs of Active Learning for Young Aspiring Minds". SWAYAM is a programme initiated by Government of India and designed to achieve the three cardinal principles of Education Policy viz., access, equity and quality. The objective of this effort is to take the best teaching learning resources to all, including the most disadvantaged. SWAYAM seeks to bridge the digital divide for students who have hitherto remained untouched by the digital revolution and have not been able to join the mainstream of the knowledge economy

**4.To study the Government of Maharashtra e learning system-**The Government of Maharashtra has implemented several e-learning initiatives to enhance education in the state. Here are some key e-learning systems and platforms: 1) *E-Samarth*: A digital platform designed to enhance communication, collaboration, and learning in higher education. It provides a custom-built Enterprise Resource Planning (ERP) system for universities, streamlining administrative processes and improving operational efficiency 2) *Maharashtra Higher Education ATLAS*: A Geographical Information System (GIS) based platform that provides information on colleges, courses, and facilities across the state. It helps students and administrators access essential information and make informed decisions 3) *Academic Bank of Credit (ABC)*: A centralized repository that enables students to accumulate and transfer academic credits earned across different colleges and universities. This promotes flexibility and student-centric learning 4) *E-Class*: An innovative educational content platform for students of Maharashtra State Board, offering resources for 1st to 10th standards in various subjects and mediums 5) *Digital Library*



*and Online Resources:* The government has also initiated various digital library projects and online resources, such as the National Digital Library of India and online courses through platforms like SWAYAM

Sr.No	Statements	Yes	No	Total	Score	Weighted Average
	Benefits of digital transformation in Edu.	2	1			
A						
1	Save of cost	48	02	50	98	1.96
2	Save of time	44	06	50	94	1.88
3	Quality programme	47	03	50	97	1.94
4	Increase a knowledge	46	04	50	96	1.92
5	Open participates all	49	01	50	99	1.98
6	Open axes	50	00	50	100	2.00

Sr.No	Statements	Yes	No	Total	Score	Weighted Average
	problems of digital transformation system	2	1			
B						
1	Internet network shortly	45	05	50	95	1.9
2	Network issu	47	03	50	97	1.94
3	Costly internet recharge	47	03	50	97	1.94
4	Costly technical device	42	08	50	92	1.84
5	Cyber attack	49	01	50	99	1.98
6	No technical knowledge	40	10	50	90	1.8

**Conclusion** Quality education is the foundation for a prosperous and progressive society. By accept a digital ecosystem and optimizing resource allotment, educational systems can unlock new dimensions of learning, improve accessibility, and cater to the diverse needs of students. Empowering educators and students with advanced tools and technologies will pave the way for a brighter future, fostering innovation, critical thinking, and creativity in the leaders of tomorrow.

In the age of 21st century, India has witnessed colossal increase of enrollment in the Massive Open Online Course (MOOC). Looking to feedback, response and enrollment in various course, India has started various projects offering MOOCs to satisfy the need of education. NPTEL, moist, spoken lesson, Virtual Laboratory, IITBX, and SWAYAM are major successful e-Learning projects in India. The present paper will discuss about the E-Learning, MOOCs and various digital initiatives in India. It will also elaborate the usage of various platform

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