

# शैक्षणिक अध्ययन में कोविड-19 महामारी के दौरान ईआरपी मॉड्यूल की प्रभावशीलता और ऑनलाइन अध्ययन का उपयोग-एक अनुभवजन्य अध्ययन

## EFFECTIVENESS OF ERP MODULES AND USE OF ONLINE STUDY DURING COVID -19 PANDEMIC IN ACADEMIC STUDIES-AN EMPIRICAL STUDY

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### सार

यह शोध पत्र मेरे द्वारा ईआरपी मॉड्यूल की प्रभावशीलता और शैक्षणिक अध्ययनों में COVID -19 महामारी के दौरान ऑनलाइन अध्ययन के उपयोग को जानने के लिए तैयार किया गया है, साथ ही शैक्षिक परीक्षाओं में डिजिटलीकरण और ऑनलाइन प्रवेश की सुविधा, क्योंकि हम महसूस करते हैं कि वर्तमान अवधि नवाचार की है आधारित इसलिए नवाचार का उपयोग कदम दर कदम विस्तार कर रहा है। क्या डिजिटलीकरण और ऑनलाइन गेटवे के उपयोग ने विद्वानों के ढांचे को आसानी से चलाया है या नहीं यह इस शोध के माध्यम से जाना जाता है। यह शोध शैक्षिक शैक्षणिक संस्थानों से मतदान प्रश्रावली सर्वेक्षण रणनीति का उपयोग करके निम्नलिखित समान पैमाने का उपयोग करके जानकारी एकत्र करने के लिए नेतृत्व किया गया है और परिणाम को मानक विचलन और माध्य के तरीकों द्वारा एकत्रित जानकारी के आधार पर संसाधित किया गया है। परिणाम बताते हैं कि डिजिटलाइजेशन और ऑनलाइन प्रविष्टियों ने कन्वेंशन इंस्ट्रक्शन फ्रेमवर्क को बदल दिया है और इसके अलावा छात्रों और छात्रों के लिए किसी भी समय कहीं भी अपनी पढ़ाई पर ध्यान केंद्रित करना व्यावहारिक बना दिया है। उत्तरदाताओं के 52 से एकत्रित जानकारी से पता चलता है कि डिजिटलीकरण और ऑनलाइन गेटवे ने बड़े सुधार के साथ पारंपरिक निर्देश ढांचे को पुनर्वर्गीकृत किया है। यह जांच न केवल यह बताती है कि COVID-19 महामारी के बीच वेब-आधारित शिक्षा स्वीकार्य है, बल्कि वेब की पहुंच, बजटीय मुद्दे और इंटरनेट सीखने के निष्पादन पर प्रकाश का भी पता चला है। परिणाम इस बात की पुष्टि करते हैं कि ऑनलाइन प्रकार के निर्देश में तेजी से प्रगति प्रभावी हुई और बाद में प्राप्त अनुभव का उपयोग किया जा सकता है। अनुभव और अध्ययन विभिन्न राष्ट्रों के लिए सहायक हो सकते हैं जिन्होंने अभी तक प्रगति के तरीकों की खोज नहीं की है। यह पत्र तदनुसार ऑनलाइन उन्नत शिक्षा के उच्च प्रभाव

अभ्यास मानकों को पहचानता है और तुलनात्मक परिस्थितियों में वेब निर्देश पर अग्रणी होने के बारे में सोचने के लिए कॉलेजों में सहयोगियों को एक प्रासंगिक जांच देता है।

### Abstract

This research paper is framed by me to know the effectiveness of ERP modules and use of online study during COVID -19 pandemic in academic studies also handiness of digitalization and online entrances in scholastic examinations, as we realize that the current period is of innovation based so the utilization of innovation has been expanding step by step. Does the digitalization and online gateways use has made the scholarly framework run easily or not is known through this research. This research is led by gathering the information from the scholastic academic institutions by utilizing poll questionnaire survey strategy by using following Likert scale and result has been processed on the base of the gathered information by methods for standard deviation and mean. Results show that digitalization and online entries have changed convention instruction framework and furthermore make it workable for understudies & students to concentrate on their studies at anyplace whenever. Information gathered from the 52 respondent's shows that digitalization and online gateways has reclassified the conventional instruction framework with rolling out huge improvement. This investigation not just report that web-based learning is acceptable amidst COVID-19 pandemic yet in addition detected the light on the accessibility of web get to, budgetary issue, and internet learning execution. Results affirm that the fast progress to the online type of instruction went effective and picked up experience can be utilized later on. The experience and studies can be helpful for different nations that have not discovered the methods of progress yet. This paper accordingly recognizes the high-impact practice standards of online advanced education and gives a contextual investigation to associates at colleges to think about leading on the web instruction in comparative conditions.

**मुख्य शब्द:** ईआरपी मॉड्यूल, कोविड-19, ऑनलाइन स्टडी, डिजिटलाइजेशन

**Keywords:** ERP Modules, COVID -19, Online Study, Digitalization

1. परिचय: आधुनिक युग में प्रौद्योगिकी का उपयोग अत्यधिक बढ़ रहा है जिसके परिणामस्वरूप ऑनलाइन पोर्टलों का डिजिटलीकरण और उपयोग हुआ है। 21वीं सदी में सब कुछ डिजिटल हो गया है। प्रत्येक कार्य को करने के

लिए हमें ऑनलाइन पोर्टल पर कार्य करने के लिए इंटरनेट का उपयोग करना पड़ता है। व्यवसाय जैसे जीवन के प्रत्येक क्षेत्र में डिजिटलीकरण का उपयोग किया गया है। और साथ ही, अकादमिक अध्ययन में भी ऑनलाइन पोर्टलों का डिजिटलीकरण और उपयोग शुरू किया गया है।

अकादमिक अध्ययन में प्रत्येक कार्य को डिजिटल किया जाता है और डिजिटल अवधारणा के उपयोग ने अकादमिक अध्ययन से संबंधित कार्य को बहुत आसान और त्वरित बना दिया है। कोई भी व्यक्ति किसी भी स्थान से केवल उस विशेष पोर्टल में लॉग इन सुनिश्चित करके महत्वपूर्ण जानकारी प्राप्त कर सकता है। शैक्षणिक संस्थानों या विश्वविद्यालयों द्वारा अपने स्वयं के ऑनलाइन पोर्टल विकसित किए गए हैं जिनका उपयोग कई कार्यों के लिए किया जाता है जैसे कि प्रवेश, पंजीकरण, परीक्षा फॉर्म भरने और परीक्षा रोल नंबर लेने और अन्य कार्यों के लिए। इन ऑनलाइन पोर्टलों में सेवा से संबंधित जानकारी होती है जिसके लिए इन्हें विकसित किया गया है।

डिजिटलाइजेशन: डिजिटलाइजेशन का अर्थ है तकनीकी आधारित कंप्यूटरों का उपयोग करके किए गए कार्य को करना। दूसरे शब्दों में, हम कह सकते हैं कि डिजिटलीकरण का अर्थ है डिजिटल प्रारूप में छवियों, ध्वनियों, वीडियो और ग्रंथों की बातचीत जो शून्य है और एक जिसे कंप्यूटर द्वारा समझा जा सकता है और फिर इन सामग्रियों को उनके समझने योग्य प्रारूप / भाषा में उपयोग के माध्यम से व्यक्तिगत रूप से परोसना है। कुछ साधनों जैसे कंप्यूटर, स्कैनर, स्मार्ट फोन, प्रोजेक्टर आदि।

ऑनलाइन पोर्टल्स: ऑनलाइन पोर्टल्स का अर्थ है कि वे वेबसाइटें जो एक विशिष्ट कार्य के लिए बनाई गई हैं जो शैक्षणिक, व्यवसाय, नौकरी की रिक्तियां और भर्ती उद्देश्य हो सकती हैं। सिम्पली: पोर्टल्स का अर्थ है कि वे वेबसाइटें जिनका उपयोग प्रासंगिक व्यक्तियों को किसी प्रकार की सेवाएं प्रदान करने के लिए किया जाता है ताकि काम को आसानी से संसाधित किया जा सके। (मेस्बाही एट अल।, 2014)

**1. Introduction:** In modern era the use of technology has been increasing immensely that resulted in digitalization and use of online portals. In 21 centuries, everything has been become digitalized. For doing each work we have to use internet to work on online portals. Digitalization has been expended in each sphere of life like business. And also, like that the digitalization and use of online portals has been also been started in Academic studies.

In academic studies each work is done digitalized and the use of digital concept has made the work related to academic studies very easy and quick. One can access to pivotal information from any place just by ensuring log in that particular portal. By the educational

institutions or universities their own online portals have been developed that are used for a number of works i.e. For admissions, registrations, filling examination forms and taking examination roll numbers and for other works. These online portals consist information related to service for which these have been developed.

**Digitalization:** Digitalization means to make the work done by using the technological based computers. In other words, we can say that digitalization means conversation of images, sounds, videos and texts in digital format that is zero and one which is understandable by the computer and then serving these contents to individual beings in their understandable format/language through the use of some means like computers, scanners, smart phones, projectors etc.

**Online portals:** Online portals means that websites which are created for one specific work which can be academic, business, job vacancies and recruitment purpose. Simply: portals means that websites which are used to provide some kind of services to relevant individuals to make work easily process able. (Mesbahi et al., 2014)

2. अध्ययन के पीछे तर्क: यह अध्ययन यह जानने के लिए किया गया था कि डिजिटलीकरण और ऑनलाइन पोर्टल अकादमिक अध्ययन में उपयोगी हैं या नहीं। अगर उपयोगी हैं तो किस हद तक।

**2.Rational behind the study:** This study was conducted to know that whether the digitalization and online portals are useful in academic studies or not. If are useful then at what extent.

### 3. Literature Review:

Kushwaha.S.et,all: According to my view point this study reveals the usefulness of the Digital India in each sphere of life. The government of India has introduced the digital India concept for the purpose of digitalizing the working of the country which also affects the higher education. The main aim is to work in less cost and time. The various schemes run under the digital India is not still fully known and used by the students and researchers so the main focus should be given towards implementation of these schemes instead of launching new schemes in dark. The government should treat equally the central and state universities while implementing these schemes and the youth must take initiative to adopt the modern technology and use the schemes under the digital India concept. (Goel et al., 2013)

Jha.P.et,all: According to my perception this study focused towards making the digital education a hope not hype for the government or other agencies. Previously the education system was

traditional having Gurukuls system. But with the help of the advancement of technology everything becomes easy to taught and easy to learn even at distance places. But there are some difficulties in Indian education system like having low accessibility power of users to use technology. So, the purpose of digital education system must be to ensure that whether the technology is working effectively to make the learners aware about the concepts and to make the online education system successful in India we need to modify the teaching way and mind-set of the learners to adopt the new digital concept by focusing on hybrid model of learning. (Davis, 2007)

Jadhav.Dr.et,all: According to my perception this study shows that with the help of digitalization the old school system is successfully converted in the new school system. Digitalization has been proved a boon for the education sector because with the advancement of the technology the conversation of data, images, pictures in digital language is possible that helps in storing and keeping the data in electronic devices like computer for long time use and reducing handwritten paper work. With the help of digitalization, the establishment of E-libraries is possible. The students have aces to global information and the online studying system is become possible where the physical presence of the student is not required, they can easily make a meet with their teachers through the means of internet which helped in improving the education system of India and make it modernised according to global development. (Mloza-Banda & Scholtz, 2017)

Gond.R.et,all: According to my perception in this study digitalization is seen as changing point in education system, with the help of which teachers are able to taught students with visual presentation. India has become second market for digital education after the U.S with having 1.4 million schools and 227 million students. In India to expand digitalization a number of new strategies are on way to implement. Tata trust is starting web based free learning portal to provide free digital education and also Ignis careers and seed are working to provide low-cost digital education. Cisco system plans to investUS\$100 million in India for digitalizing education. Score of digitalization is good but along with this it has some challenges like language related problem due to having a number of languages in India. In rural area there is lack of professionally trained teachers who doesn't give intention to digital study. Lack of funds and poor connectivity

system in rural area is another challenge in India in digital education transformation system. (Botta-Genoulaz& Millet, 2006)

Naciyegulizugur: According to my viewpoint in this study author found that digitalization has become an inseparable part of modern education system. With the digitalization modern classroom concepts have been emerged by replacing traditional method of study. Author used observation, in-depth review and open-ended questionnaire method to have answers. Students and instructors have different viewpoint on diverse concepts. Instructors believe that students must develop analytical approach for analysing the reliability of online content. On the other hand, usage of blogs among students is not at that professional level. Just few students having edited/customised blogs but on other hand some even don't having good knowledge of these blogs. Both instructor and student while discussion; gave name of Facebook regarding social media usage. But each of them has different usage purpose of this media. All data should be used further for maintenance of program that seeks to incorporate digital tools and digital literacy into teaching and learning. (González et al., 2012)

Neelam Rani: According to my perception in this study author found that digitalization made the Indian education system modern education system. It helps in changing the way of study in India and made the education available at less cost at everywhere. There are a number of tools that are used for making the study digital but there are a number of challenges that are here in front of India and required a deep study to tackle with these problems/ challenges. Modern education system has redefined the modern education system and as well as teachers. So, the main focus should be on now making efforts to tackle with these challenges in near future. (Noaman& Ahmed, 2015)

#### **4.Objective of the study Results:**

To know the successful usage of digitalization and online portals by students.

To know the error and success points in using online portals and in digitalization.

#### **5.Hypothesis**

H0: There is significance difference between the successful usage of digitalization and online portals by students.

H1: There is no significance difference between the successful usage of digitalization and online portals by students.

H0: There is significance difference between the error and success points in using online portals and in digitalization.

H1: There is no difference between the error and success points in using online portals and in digitalization.

## **6. Research Methodology:**

This study is done through the primary and secondary data. For primary data I used Likert scale for questionnaire method and convenience sampling is also followed in this survey. 52 samples are received fully filled from students and used for further processes.

### **6.1 Calculations and observations:**

There I got all the data from the questionnaire method by using mean and standard deviation. Total number of the respondents is 52 who have responded.

- Data shows that digitalization put immense positive impact on the working of educational sector.
- With this the online educational system is doing well and even the students are able to attend the classes of their missed lectures online.
- It has reduced the burden of physical presence and paper work for doing works.
- But in some cases, the dissatisfactory results have come in light and urgent requirement of improvement is the first priority.
- Portal system has been proved beneficial for the students as well as their professors. Sometimes users found error during working on these portals which result delay in their planned work.
- These portals are not easily accessible in some cases.

**Item Statistics**

	Mean	Std. Deviation	N
Portal Visit	3.52	1.732	52
These portals contains sufficient history and information about the educational institutions	1.56	.895	52
Awareness regarding the usage of digitalization and use of online portals exists	1.52	.779	52
Portal system used in your educational institutes is not easily accessible	2.83	1.216	52
A number of errors occur while working on these portals	2.54	1.244	52
Time of availing any service through portals is reasonable	1.94	1.056	52
Growth pace of digitalization is not satisfactory	2.94	1.474	52
Procedures for managing one's account on these portals are approachable	1.65	1.027	52
Information regarding admissions is timely updated	1.67	1.061	52
Information concerning courses and their syllabus is not timely updated	3.08	1.370	52
All the information regarding any change in fees structure is timely updated	1.96	1.137	52
Information regarding introducing new courses is timely updated	1.65	.837	52
Information concerning exam datasheet is not timely updated	2.94	1.378	52

**7.Scope behind the study:**

This study is concerned with the educational sector which is conducted to know the effectiveness of digitalization and use of online portals. The purpose of this study is to measure the impact of digitalization and online portals on the life of students. This paper can be further used for the research work in the area of modern technology to know its effectiveness on educational sector.



## 8.निष्कर्ष:

डिजिटलीकरण और पोर्टल प्रणाली दोनों का शैक्षिक क्षेत्र पर बहुत सकारात्मक प्रभाव पड़ता है। कोई भी कभी भी कहीं भी अध्ययन कर सकता है, यहां तक कि विदेशी लेखकों की अध्ययन सामग्री भी आसानी से प्राप्त कर सकता है ताकि उनके ज्ञान को बढ़ाया जा सके। यहां तक कि ऑनलाइन पोर्टल सिस्टम भी छात्रों के लिए अपने डीएमसी, रोल नंबर और फीस संरचना और उनके सम्मानित शैक्षणिक संस्थानों/विश्वविद्यालयों द्वारा अद्यतन अन्य महत्वपूर्ण जानकारी के बारे में समय पर पहुंच को आसान बनाते हैं। लेकिन इन पोर्टलों का उपयोग करते समय त्रुटियों और पहुंच की समस्या को कम करने के लिए कुछ प्रयासों की आवश्यकता है।

### 8.1 सिफारिशें:

- सम्मानित शैक्षिक प्राधिकरण को इन पोर्टलों की पहुंच सुनिश्चित करनी चाहिए।
- किसी के खाते को बनाए रखने और सुरक्षित करने की प्रक्रियाओं को स्पष्ट रूप से परिभाषित किया जाना चाहिए।
- इन पोर्टलों का उपयोग करते समय किसी भी प्रकार की त्रुटि होने के कारणों का पता होना चाहिए और इस तरह की समस्या से निपटने के प्रयास किए जाने चाहिए।
- प्रत्येक छात्र के लिए एक निश्चित अंतराल के बाद अपने पोर्टल पर जाना अनिवार्य बनाए रखा जाना चाहिए ताकि प्रत्येक को अपने पोर्टल सिस्टम पर नए परिवर्तनों के साथ सूचित किया जाना चाहिए।

## 8.Conclusion:

Digitalization and portal system both have great positive impact on educational sector. One can do study at anywhere at any time even that one can easily access the study material of foreign authors too for enhancing his/her knowledge. Even the online portal systems make it easy for students to have timely accessibility on their DMCs, roll number and about fees structure and other important information updated by their respected educational institutions/universities. But some efforts are needed to reduce errors and accessibility problem while using these portals.

### 8.1 Recommendations:

- Respected educational authority must ensure accessibility of these portals.
- Procedures to maintain and secure one's account should be clearly defined.
- Reasons for occurrence of any kind of error while using these portals must be known and efforts should be made to tackle with this kind of problem.

- It must be maintained compulsory for every student to visit their portals after a fixed interval so that each must be informed with new changes on their portal system.

## 9. Bibliography

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