



# IMPLEMENTATION OF ICT SKILLS FOR THE STUDENTS OF THEIR EMPLOYMENT IN SKILL BASED JOBS



TRAINING



LEARNING



KNOWLEDGE



SKILL



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DEVELOPMENT

Volume 2



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## IMPACT ON DIGITAL LEARNING AND ONLINE EXAMINATION SYSTEM

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### ABSTRACT

This article explores the use of digital transformation in the educational System and information technology, this article focuses on the important role of digital literacy and students skills to use new technology, which is increasing in integration. The level of students' literacy and development of their digital competence are important to improve the effectiveness and efficiency of the learning process and to adopt students to the changing labour market. In order to interpret the result, a structured questionnaire was designed for a sample of 156 respondents of the research area. Tools such as simple percentage, chi-square value and rank analysis are used to find the result of this research. The finding shows that when digital literacy and testing are used thoughtfully, digital possibilities cannot only change, but also shape students future progress.

**Keywords:** digital transformation in education system -digital learning behaviour-effectiveness and efficiency -impact on online exam.

### Introduction

Due to the safety lockdown and other preventive measures taken control the global lockdown due to the spread and pandemic of the Covid-19 pandemic, the educational process in several teaching disciplines has been largely disrupted of Department of higher education system. Many institutes have stated implementing digitalization through online admission, e-attendance, online teaching learning and examination information

management system. Though this system is newly adapted for traditional courses, professional management courses are using this system for past many years. Management students have always been taught the importance of applying the management principals in every aspect of life. Along with academic capabilities the emotional quotient of an individual is given due importance in current times. COVID 19 pandemic has taught everybody the importance of adaptability, flexibility, efficiency and also multitasking. Since management education is an integral part of everyday life management students' do not require separate skills and training studies. This survey is aimed towards understanding the attitude of undergraduate management students; towards rapidly introduce online examination system during this pandemic of COVID 19.

Online teaching education will continue to be critical for the world's universities to remain competitive and economically viable. As online teaching and learning become more widespread, the focus on online assessment increases. Face to face leaning and e learning, the recently popular blended learning, is a broad product is changing the approach to teaching and learning. Although this method is newly adopted to traditional courses, professional management courses have been using this method for many years. Management student are always taught the importance of applying management principles in every aspect of life. Along with academic skills, the emotional component of an individual is also given due importance in present times.

The survey aims to understand the attitude and behaviour of students towards the rapid introduction of online examination system during this covid 19 pandemic

### **Literature Review**

**Pranati Tilak et al. (2020)** made a study on "**A survey on online examination during COVID-19 pandemic: Perception of Management students**". The primary objectives of the study to find out management students apprehensions regarding online examination. The primary data were used for this study. 134 respondents were collected for this study by using descriptive method. The statistical tools such as simple percentage, chi square will be used to analysis the data. The study revealed that online examination system will not only reduce the time but also gives fast and accurate results. **Yasar Ozden et al. (2004)** made a study on "**Students perception of online Assessments: A case study**".

The primary objective of this study was to investigate student's perceptions of the use of CAA and to investigate the potential for using student feedback in the validation of assessment. The primary data were used for this study. 40 respondents were collected for this study by descriptive sampling method. The statistical tools such as simple percentage will be used to analysis the data. The study revealed that using online assessments requires close cooperation of academic and technical units. **Mohd Azrul Sulaiman et al. (2000)** made a study on "**Literature Review on online Testing method**". The primary objectives of this study to identify the online examination system is more flexible and easier to use. 60 respondents were collected for this study simple random sampling method. The primary data were used for this study. The study revealed the effectiveness of the use of online Testing system, further studies should be carried out to see effect of its use on students' academic achievement.

**Lana et al. (2021)** made a study on "**Medical Faculty's and Student's Perceptions toward pediatric Electronic OSCE during the COVID-19 Pandemic in Saudi Arabia**". The primary objectives of this study was to explore the perceptions of faculty and the students of an electronic structured clinical examination. The primary data were used for this study. 73 respondents were collected for this study by using simple random sampling method. The statistical tools such as simple percentage will be used to analysis the data. The study revealed that should guide the future direction and decisions toward the optimization.

**Nusaila Ali Almousa et al. (2020)** made a study on "**Psychometric properties of the Attitudes Scale towards Electronic tests among Graduate Students**". The primary objectives of this study significance lied in providing a valid and reliable scale, as well as demonstrating of electronic tests. The primary data were used for this study. 690 respondents were collected for this study by using available sampling method. The statistical tools such as simple percentage will be used to analysis the data. The study revealed that students have a moderately positive attitude towards electronic tests, which implies that they would agree to mode of education.

**Sahlam et al. (2021)** made a study on "**The effects of modes of test administration on test scores: A study in an Indonesian school**". The primary

objectives of this study the effect of gender and the interaction effect between gender and mode of testing on test scores were significant. The primary and secondary data were used for this study. 234 respondents were collected for this study by using simple Random sampling method. The statistical tools such as simple percentage will be used to analysis the data. The study revealed that indicated that neither gender, mode of test administration nor the interaction between gender and mode students anxiety levels.

**Pranati Tilak et al. (2021)** made a study on "**Physiotherapy Student's preference for learning during COVID- 19 Pandemic**". The primary objectives of this study to traditional learning, online learning and Blended learning. The primary data were used for this study. 138 respondents were collected for this study by using descriptive sampling method. The statistical tools such as simple percentage, chi square will be used to analysis the data. The study revealed that adopting formats which students prefer and comply with is the new norm for a successful teaching and learning experience.

### **Statement of Problem**

Assessment is an important part of the leaning process. This is done to obtain information about the learning outcomes of each student. The use of reliable assessment method can improve the effectiveness of educational practices and help students distinguish whether they have achieved the required educational goals. Due to the importance of online assessment at this stage of the current pandemic, e-test are currently being used to assess student performance. Many students have to be evaluated in several courses in universities within a certain time through midterms and final exams.

### **Objectives**

The following are the primary objectives of the study

- To identify measures for enhanced version of online education in future.
- To apply critical thinking skills to their students action, behaviour and social engagement on digital platform
- To identify all the necessary consideration required for the successful Implementation of the online examination system in higher education institutions.

## Research Methodology

The research design depends on the purpose of the study. This study uses a quantitative approach carried out using a survey method. The survey method is appropriate for the research management of the study because the reviews to be conducted will focus on use ability online testing system and based on the questions submitted. In addition, it involves data collection and information from the respondent involved only.

## Sampling Method

Primary data are collected through convenience sampling technique, for getting the real picture of this study.

## Sampling Area

The samples are chosen for conducting the study is Pollachi taluk only.

## Sampling Size

In order to know the customers attitude towards impact of online exam mode. Out of 156 respondents collected from Google forms and are taken for analysis. Convenient sampling method is adopted to select the sample users.

## Data Source

The data collected research primary data was generated through Google forms. The tool for collecting primary data is questionnaire. Respondents filled Google forms anonymously Secondary data have been collected from magazines, journals, catalogues and web portals.

## Framework and Analysis

**Table 1**

<b>Variable</b>	<b>Number of Respondents</b>	<b>Percentage</b>
Age: Under 20 years	68	55.76
21- 30 years	87	43.58
31-40 years	1	0.66
<b>Total</b>	<b>156</b>	<b>100</b>

<b>Variable</b>	<b>Number of Respondents</b>	<b>Percentage</b>
Area: Rural	98	62.82
Semi -urban	13	28.84
Urban	45	8.33
<b>Total</b>	<b>156</b>	<b>100</b>
Gender: Male	37	23.71
Female	119	76.28
Total	156	100
Marital status: Married	12	7.69
Unmarried	144	92.30
<b>Total</b>	<b>156</b>	<b>100</b>
Educational qualification:		
up to HSC	11	53.20
UG	83	37.17
PG	58	7.05
Others	4	0.64
<b>Total</b>	<b>156</b>	<b>100</b>
Occupation: Agriculture	22	73.07
Salaried Person	16	13.46
Labour	5	10.25
Business	113	3.20
<b>Total</b>	<b>156</b>	<b>100</b>

Data: Primary data

From the above table shows that Majority of the respondents are age group between 21-30 years. Most of the respondents are rural area. Majority (76.28%) of the respondents are gender in female. Majority (92.30%) of the respondents are marital status in unmarried. Majority (53.20%) of the respondents are educational qualifications UG level. Majority (73.07%) of the respondents are Occupation level in Students.

### Chi Square Test

Chi square value 5% @Satisfaction on online exam and demographic profile

**Table 2**

S. No	Particulars	DF	Chi square Value	Table value	Result
1	Age	4	10.316	9.488	Rejected
2	Area	2	9.375	5.991	Rejected
3	Education qualification	6	11.069	12.592	Accepted

Source; Primary data

From the above table found that respondents calculated chi-square is higher than table value at five percent level, there are significant association between the demographic variables and level of satisfaction. Null hypothesis rejected.

### Ranking Analysis

**Table 3**

S. No	Reasons	1	2	3	4	5	Total	Rank
1	Environmentally Friendly	43	146	84	40	10	<b>323</b>	<b>III</b>
2	Save you money	41	146	63	64	25	<b>339</b>	<b>I</b>
3	Save time, big time	48	142	78	40	5	<b>313</b>	<b>V</b>
4	Plugged into technology	43	152	87	16	20	<b>318</b>	<b>IV</b>
5	More secure	43	138	102	36	15	<b>334</b>	<b>II</b>
6	Its convenient	47	138	81	32	25	<b>323</b>	<b>III</b>

In the ranking system, it is observed from the above table analysis that among the several reasons for preferring online exam mode, the respondents ranked security as the highest reason for preferring online exam mode followed by environmentally friendly, save you money, save time, big time, plugged into technology, more secure and its convenient,

### **Scope for Further the Study**

1. To study the students 'perception towards online education in psychoanalysis field during Covid 19 pandemic.
2. To evaluate the contentment Level of Current Online education in physiotherapy field during Covid 19 pandemic.
3. To identify measures for enhanced version of online education in future.

### **Limitations**

Some of the limitations of the study are as follows:

1. The area of the study is limited to Pollachi taluk.
2. The data provided by the respondents may be biased due to the confidential nature of the information sort.
3. The result arrived application only to the study period and the findings of the study in applicable only in Pollachi and other area.

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