

## ANALYSIS ON ORIGINALITY AND CREATIVITY OF TEACHERS-STUDENTS OF PUNJAB THROUGH ICT PEDAGOGY

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### Abstract

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*Education may be the greatest piece of triumphant foundation to emerge from the modern age. Twentieth century nations have prospered for the clarification that they recognized and used practical methods for guidance and work of the comprehensive local area. The world is developing. Advancement makes us more splendid. In today's informative technique, advancement isn't only an instrument, yet moreover a resource for getting to information. For a surprisingly long time, new ways have been used to advancement into learning measure. This paper deals with the fundamental effect on imagination with showing technique through information and correspondence development instruments.*



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### I. Introduction

The overall mark of this assessment work is to explore the accessibility and drawing in nature of different sorts of information and communication technology (ICT) apparatuses in training. This survey depicts the different means wherein data and correspondence innovation (ICT) apparatuses impacts on getting the hang of, learning climate, understudies and instructors. This review begins with an establishment of use of PC and it's periphery as an enlightening gadget, then tends to the thinking for informative advancement, followed by discussion on revelations of stream research on open and worldwide level on the impact of information and communication technology (ICT) instruments in instructive area. This prompts overview the impact of information and communication technology (ICT) instruments on imaginativeness and achievement limit of the understudies. This overview hopes to assess and appreciate the method used by experts to inspect the impact of information and communication technology (ICT) on learning. The revelations from these assessment studies will help with surveying the reasonability of information and

communication technology (ICT) on creative mind and achievement of the understudies. Schooling establishes the framework for the satisfaction of an individual's fantasies and goals. It is the most common way of acquiring information, teaching types of legitimate direct and obtaining specialized competency,'Cultivate' and 'socialize' are equivalents to the word 'educate'[1].

The PCs give an intelligent general media through power point introductions and liveliness programming's. The special visualizations given by liveliness and show programming, improves the interest of the understudies. Then again, web is an immense data base. Web is reforming education,[2] The web, a worldwide organization associating a great many PCs and PC clients, is another asset of teachers. Globalization is an overall wonders by which the world meets up to share the data. In instructive globalization, web gives upto date data of an assortment of homeroom related points inaccessible from different sources [3]. The first step of creativity is an interest in the unknown, the novel, and the different [4][8]. Torrance defined creativity as “the process of sensing problems or gaps in information, forming ideas of hypotheses, testing, and modifying these hypotheses, and communicating the results” [5]. Creative activity as an expression of both emotional and intellectual experience is not a spontaneous process, and it may become a lifestyle only through encouragement and guidance [6][7].

## II. Literature Survey

According to *Kumar V. et.al. (2003)* examines about the commercialization of new innovations in India. This paper presents discoveries of field research attempted by the creators to concentrate on the new innovation commercialization in India. The emphasis was on the boundaries that affected the choice with respect to commercialization of new innovations in the country. *Kaushilk P.D. et.al. (2004)* expounds the commitment of data innovation for expansive scholastic turn of events. Two continuous activities mean to give data innovation based administrations to rustic populace in India were talked about. *Devi L.P. et.al. (2008)* examines about the pertinence, difficulties and extremist change with the utilization of data and correspondence innovation (ICT) in instruction. This paper presents the studies wherein the information and communication technology (ICT) fosters another skyline in learning conditions for educators and understudies. *Kharade J. et.al. (2011)* examines the advanced separation situation, different information and communication technology (ICT) drives and the significant difficulties and the critical arrangements in spanning the computerized partition in India.

### III. ANALYSIS AND INTERPRETATIONS

#### **Bar Chart of flexibility of perspective teachers and students of technical education of Punjab**

It is inferred from the bar chart that 198 students came under the category of high achievers (HA), 208 students came under the category of medium achievers (MA) and 96 students came under the category of low achievers (LA) out of 502 students of controlled group comprising of nmj perspective teachers and students of technical education of Punjab. On the divergent side, 19 students came under the category of high achievers (HA), 28 students came under the category of medium achievers (MA) and 49 students came under the category of low achievers (LA) out of 96 students of uncontrolled group comprising of perspective teachers and students of technical education of Punjab.

**Originality:** The analysis of Originality of the perspective teachers and students of technical education of Punjab shows that the 25% of the respondents of controlled group (n=502) come under the category of high achievers (HA), whereas only 15% of the respondents of uncontrolled group (n=96) come under the category of high achievers (HA). The 42% of the respondents of controlled group come under the category of medium achievers (MA), and 28% of the respondents of uncontrolled group come under the category of medium achievers (MA). Only 32% of the respondents of controlled group come under the category of low achievers (LA), whereas 56% of the respondents of uncontrolled group come under the category of low achievers (LA). It is inferred from the computed results that the use of information and communication technologies (ICT) plays a key role in improving the Originality of the perspective teachers and students of technical education of Punjab State. The calculated values of Chi-Square analysis (Chi-Square=20, Table Value=5 and df=2) has demonstrated that the use of information and communication technologies (ICT) has a significant effect on Originality of the perspec

**Table 1.1 Chi-Square Cross tabulation of Originality of the perspective teachers and students of technical education of Punjab**

		ACHIEVEMENT			Total
		1_HIGH	2_MEDIU M	3_LOW	
GROUP CONTROLLED	Count	126	214	162	502
	Expected Count	118.4	202.3	181.3	502.0
UNCONTROLL ED	Count	15	27	54	96
	Expected Count	22.6	38.7	34.7	96.0
Total	Count	141	241	216	598
	Expected Count	141.0	241.0	216.0	598.0

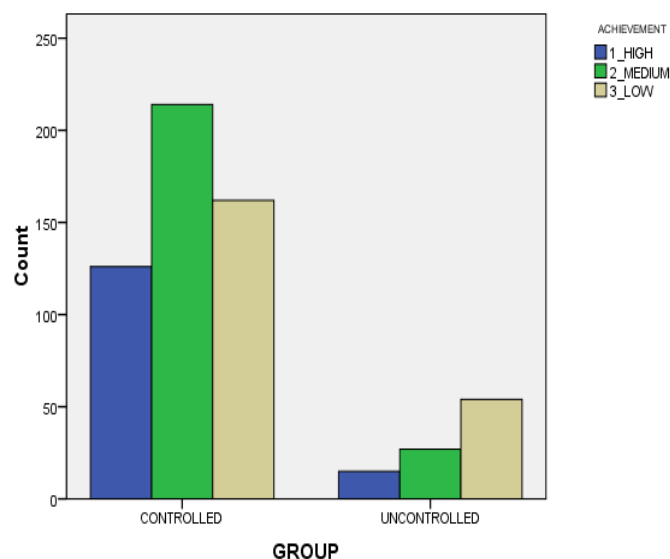
teachers and students of technical education of Punjab State. Table 1.1 shows the cross tabulation of Originality of the perspective teachers and students of technical education of Punjab State. Table 1.2 shows the results of Chi square analysis analyzed through statistical package for the social sciences (SPSS) 16.0.

**Table 1.2 Chi-Square Analysis of Originality of the perspective teachers and students of technical education of Punjab**

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	20.104 <sup>a</sup>	2	.000
Likelihood Ratio	19.351	2	.000
N of Valid Cases	598		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 22.64.

Figure 1.1 shows the graphical response of information and communication technology (ICT) on Originality of perspective teachers and students of technical education of Punjab for controlled and uncontrolled group comprising of 502 and 96 students respectively.



**Figure 1.1 Bar Chart of Originality of the perspective teachers and students of technical education of Punjab**

It is inferred from the bar chart that 126 students came under the category of high achievers (HA), 214 students came under the category of medium achievers (MA) and 162 students came under the category of low achievers (LA) out of 502 students of controlled group comprising of perspective teachers and students of technical education of Punjab. On the divergent side, 15 students came under the category of high achievers (HA), 27 students came under the category of medium achievers (MA) and 54 students came under the category of low achievers (LA) out of 96 students of uncontrolled group comprising of perspective teachers and students of technical education of Punjab.

**Creativity:** The analysis of Creativity of the perspective teachers and students of technical education of Punjab shows that the 29% of the respondents of controlled group (n=502) come under the category of high achievers (HA), whereas only 10% of the respondents of uncontrolled group (n=96) come under the category of high achievers (HA). The 52 % of the respondents of controlled group come under the category of medium achievers (MA), and 36% of the respondents of uncontrolled group come under the category of medium achievers (MA). Only 18% of the respondents of controlled group come under the category of low achievers (LA), whereas 53% of the respondents of uncontrolled group come under the category of low achievers (LA). It is inferred from the computed results that the use of information and communication technologies (ICT) plays a key role in improving the Creativity of the perspective teachers and students of technical education of Punjab State. The

calculated values of Chi-Square analysis (Chi-Square=55, Table Value=5 and df=2) has demonstrated that the use of information and communication technologies (ICT) has a significant effect on Creativity of the perspective-

**Table 1.3 Chi-Square Cross tabulation of Creativity of the perspective teachers and students of technical education of Punjab**

		ACHIEVEMENT			Total
		1_HIGH	2_MEDIU M	3_LOW	
GROUP CONTROLLED	Count	147	262	93	502
	Expected Count	131.8	249.3	120.9	502.0
UNCONTROLLED	Count	10	35	51	96
	Expected Count	25.2	47.7	23.1	96.0
Total	Count	157	297	144	598
	Expected Count	157.0	297.0	144.0	598.0

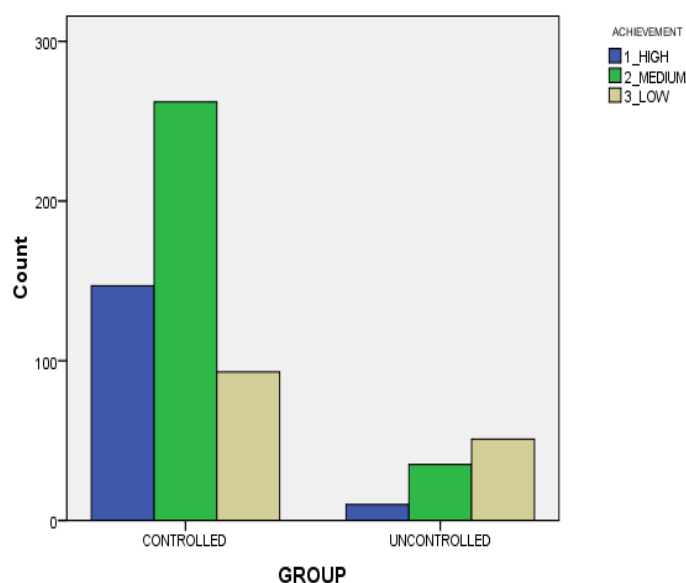
-ive teachers and students of technical education of Punjab State. Table 1.3 shows the crosstabulation of Creativity of the perspective teachers and students of technical education of Punjab State. Table 1.4 shows the results of Chi square analysis analyzed through statistical package for the social sciences (SPSS) 16.0. Figure 1.2 shows the bar chart indicating the response of High, Medium and Low achievement groups in Creativity of the perspective teachers and students of technical education for uncontrolled and controlled group of Punjab state.

**Table 1.4 Chi-Square Analysis of Creativity of the perspective teachers and students of technical education of Punjab**

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	55.005 <sup>a</sup>	2	.000
Likelihood Ratio	49.896	2	.000
N of Valid Cases	598		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 23.12.

Figure 1.2 shows the graphical response of information and communication technology (ICT) on Creativity of perspective teachers and students of technical education of Punjab for controlled and uncontrolled group comprising of 502 and 96 students respectively.



**Figure 1.2 Bar Chart of Creativity of the perspective teachers and students of technical education of Punjab**

It is inferred from the bar chart that 147 students came under the category of high achievers (HA), 262 students came under the category of medium achievers (MA) and 93 students came under the category of low achievers (LA) out of 502 students of controlled group comprising of perspective teachers and students of technical education of Punjab. On the divergent side, 10 students came under the category of high achievers (HA), 35 students came under the category of medium achievers (MA) and 51 students came under the category of low achievers (LA) out of 96 students of uncontrolled group comprising of perspective teachers and students of technical education of Punjab.

#### IV. Conclusion

Information and communication technology (ICT) expects a huge part in updating the individual fulfillment, including tutoring. This assessment work is a huge repercussion to give a proof to the incredible usage of Information and communication technology (ICT) gadgets for enlightening seasons. The Chi-Square bits of knowledge produce the evidence of the incredible usage of Information and correspondence. Information and communication technology (ICT) in overhauling the creative mind of the perspective teachers and understudies of specific tutoring.

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