

Impact of Personal and Professional Characteristics of Teachers on Students Creative Ability

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ABSTRACT

Creativity has been understood differently by different works and it is new field. It is said to be cognitive function of the total personality, although it seems that cognition may be means of expression of creativity, while the emotional factors might appear to be impelling forces. In any case, creativity could be understood as the urge or capacity for producing something new in the realm of ideas, concepts, and things or are creations Present researchers wanted to find out the impact of personal and professional characteristics of teachers on students creative ability. To establish the hypothesis 300 higher secondary English medium school students were selected randomly from four Districts, which are located in southern part of west Bengal. The tools used the present study one is standardized scale that is Passi test of creativity(PTC-p) and another is self made test that is personal and professional characteristics of teachers through students perceptions. The main objectives of this study that is find out the impact of both Teachers' Personal and Professional characteristics on the Creative ability of the students of Higher Secondary School level. On the basis of scores obtained, Calculation was done by using statistics named, t-test, Person's Correlation Coefficient test and One-way ANOVA test. The analysis of results indicates that there is a significant prediction of creative ability of students with the help of personal and professional characteristic of teachers.

Keywords: Creativity, Personal Characteristics, Professional Characteristics, Impact, Students Perception

Introduction-

Creativity is a required ability of a student from which the society is largely benefitted. But the studies related to creativity in India are very less. The studies conducted by T.J.M.S. Raju , Saima Siddiqi and others. No such study has been conducted especially in West Bengal to depict the impact of teachers' personal and professional characteristics on the students' creative ability. Hence it would be a noble attempt by the researcher if relationship between teachers' characteristics and students' creative ability could be empirically found. So the researcher extends his interest to find out whether teachers' personal and professional characteristics positively influence in enhancing creative ability of students'. For this purpose the present study is entitled "**Impact of Personal and Professional Characteristics of Teachers on Students' Creative Ability**" is stated for investigation.

Creativity-

Creativity means to make a form out of what is formless. In other words, creativity means to bring into existence that which never existed before. It always refers to some original, uncommon, unconventional and unusual mode of behaviour, creation or product. Osborn says the mortal man can never know and explore out the secrecy behind one's creativity. It is a secret deeper than the secret of life itself. Therefore, Cyril Burt the famous British psychologist said that man's brain can extend itself to unfold the mysteries of the universe. It may go even beyond the cosmos. Creative imagination is priceless effort of all the individuals. Every individual is creative in nature, but the difference lies in degree and kind. The term creativity is extremely fuzzy. It is impossible to spell out completely what we mean by creativity in a manner is as difficult as defining electricity.

Teacher's Personal and Professional Characteristics' of teachers-

'Teacher's Personal and Professional Characteristics' was constructed by the present researcher to identify and measure the personal and professional characteristics of Teachers through student's perception, which has played a pivotal role in developing creative ability in their creativity.

Research Question-

- a) Whether 'Teacher's Personal and Professional characteristics' both play any important role in the development of Creative Ability of the students?
- b) Whether the Personal Characteristics of the Teachers play a pivotal role in the development of Creative Ability of the students?

c) Whether Creative Ability of the students are inspired and influenced by the Professional Characteristics of the Teachers?

Objective-

- 1) To find out the correlation of Personal Characteristics of the teachers’ on the Creative Ability of the students’ of Higher Secondary School level.
- 2) To find out the Creative Ability of the students of Higher Secondary School level as inspired and influenced by the Professional Characteristics of the Teachers.
- 3) To find out the impact of both Teachers’ Personal and Professional characteristics on the Creative ability of the students of Higher Secondary School level.

Hypothesis-

Ho₁- There is no significant correlation between the students’ creativity and teachers’ personal characteristics.

Ho₂- There is no significant correlation between the students’ creativity and teachers’ professional characteristics.

Ho₃- There is no significant prediction of creative ability as criterion variable with the help of personal and professional characteristics as predictor variables.

Methodology-

Descriptive survey method used here. **Population-** The population for the present study includes highersecondary students from English medium back ground of four district i.e.-Purba Medinipur, Paschim Medinipur, Howrah, North24 Pgs. **Sample-** The data thus were collected from a sample group of 300 students (N = 300: 150= Boys and 150 Girls) from four districts of West Bengal. These informants are the students of class XI and class XII of different Government and Private English Medium Schools located in the urban areas of Purba- Medinipur, Paschim Medinipur, Howrah and North 24 Parganas of West Bengal. **Tools-** 1.A self made standardized questionnaire was used which measure ‘Teacher’s Personal and Professional Characteristics’, entitled ‘Test on Personal and Professional characteristics of Teacher. 2.‘Passi Tests of Creativity’ (PTC) was adapted after B.K. Passi (2005) supplied by the National Psychological Corporation, Agra, India for measuring Creative Ability of the respondents. The PTC was developed for the purpose of measuring creativity in school Children. **Techniques-** person’s correlation coefficient and One-way ANOVA test was used to analyse the raw data.

Results and Discussion-

Ho₁: There is no significant correlation between the students’ creativity and teachers’ personal characteristics.

Table 1: Correlation Matrix of Students Creativity and Teachers Personal Characteristics

		Students’ Creativity	Teachers’ Personality
Students’ Creativity	Pearson’s Correlation	1.000	0.206**
	sign(2-tailed)000
	N	300	300
Teachers’ Personality	Pearson’s Correlation	0.206**	1.000
	sign(2-tailed)	.000
	N	300	300

**** Correlation is significant at the 0.05 level (2- tailed)**

The analysis in the table no-1 shows that, correlation coefficient i.e. ‘r’ between the students creativity and teachers personal characteristics is 0.206. Since it is a positive vale it means that as one variable increase in value, the second variable also increases in value. Similarly as one variable decrease in value, the second variable also decreases in value. In the present study we can say if students creativity be increase then the teacher personal characteristics increase and vice versa i.e. if teachers personal characteristics increase then the students creativity increase. Similarly this is true for decreasing. In the present study inter correlation the significant value 2-tailed (p=0.000) is less than 0.05. It means there is a significant correlation between students’ creativity and teacher’s personal characteristics.

Hence the hypothesis Ho₁ is rejected. Therefore it can be said that, there exist positive and significant relationship between the score of students' creativity and teachers' personal characteristics.

Ho₂: There is no significant correlation between the students' creativity and teachers' professional characteristics.

Table2: Correlation Matrix of Students Creativity and Teachers Professional Characteristics

		Students' Creativity	Teachers' Professional characteristics
Students' Creativity	Pearson's Correlation	1.000	0.200**
	sign(2-tailed)001
	N	300	300
Teachers' professional characteristics	Pearson's Correlation	0.200**	1.000
	sign(2-tailed)	.001
	N	300	300

** Correlation is significant at the 0.05 level (2- tailed)

The analysis in the table no-2 shows that, correlation coefficient i.e. 'r' between the students creativity and teachers professional characteristics is 0.200. Since it is a positive vale it means that as one variable increase in value, the second variable also increases in value. Similarly as one variable decrease in value, the second variable also decreases in value. In the present study we can say if students creativity be increase then the teacher professional characteristics increase and vice versa i.e. if teachers professional characteristics increase then the students creativity increase. Similarly this is true for decreasing. In the present study inter correlation the significant value 2-tailed (p=0.000) is less than 0.05. It means there is a significant correlation between students' creativity and teachers' professional characteristics.

Hence the hypothesis Ho₂ is rejected. Therefore it can be said that, there exist positive and significant relationship between the score of students' creativity and teachers' professional characteristics.

Ho₃- The creative ability as criterion variable cannot be predicated from personal and professional characteristics as predictor variables.

In this study the predictor variables are personal and professional characteristics. Which are independent variables. To study our objective "to find out the impact of both teachers' personal and professional characteristics on the creative ability of the students of higher secondary school level" the researcher has used the multiple regression statistics in SPSS.

Table No- 3: Descriptive Statistics table

	Mean	Std. Deviation	N
Creative Ability of Students	148.063	13.2397	300
Personal Characteristics of Teachers	153.320	9.4510	300
Professional characteristics of Teachers	104.310	5.0370	300

Table-3 Observed that mean and S.D. value of creative ability of students are 148.063 & 13.23 respectively, teachers' personal characteristic are 153.320 & 9.45 respectively and professional characteristics of teachers are 104.310 & 5.03 respectively. There is a high mean value i.e. 153.320, for personal characteristics of teachers and low mean value i.e.104.310, for professional characteristics of teachers.

Table 4: ANOVA^a for model fit of the Creative ability of the students.

ANOVA ^a						
Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	2906.130	2	1453.065	8.717	.000 ^b
	Residual	49505.667	297	166.686		
	Total	52411.797	299			

a. Dependent Variable: Creative Ability of Students

b. Predictors: (Constant), Professional characteristics of Teachers, Personal Characteristics of Teachers

Our Regression model summary (Table-4) shoes that the collective effect of the two independent variables(Teachers’ Personal and Professional Characteristic) in predicting Creative ability of the students, the multiple regression analysis yielded a coefficient of $R^2=.550$ which means that 55% of the total variance of the students creative ability can be explained by this two independent variables. (Table -4) the result of One-way ANNOVA produced $F=8.717$ and $p=0.000(<0.05)$ for the prediction and this is significant i.e. there has a collective effect of this independent variables and can be used to predict the students creative ability of the secondary school level.

Table No 5: Coefficients^a for Regression Model of the students Creative Ability
Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta(β)		
1 (Constant)	81.715	16.335		5.002	.000
Personal Characteristics of Teachers	.199	.091	.142	2.200	.009
Professional characteristics of Teachers	.343	.170	.131	2.020	.004

a. Dependent Variable: Creative Ability of Students

Here to find the relative strength of the predictors’ variables by Professional characteristics of Teachers and Personal Characteristics of Teachers with creative ability of students. Table-5 gives the (β) values. These values are standardized value (β) whose range between 0 to 1 and give common metric which can be compared across all the explanatory variables. The impact of teachers’ personal characteristics on students’ creative ability is larger to impact of teachers’ professional characteristic on students’ creative ability, as can be seen by the relative difference in (β) values in terms of magnitude (0.142 versus 0.132). More over the sign of (β) value only indicates the direction whether the explanatory variables is associated with an increasing or decrease in outcome score.

The t-test and ‘sign’ values of the table-5 in the last two columns indicates that the $p=0.009(p<0.05)$ of personal characteristics of teachers on students creative ability and $P=0.004(p<0.05)$ of personal characteristic of teachers on students creative ability. So the predictive variables (personal characteristic and professional characteristic of teachers) make statistical significant contribution to the predictive power of students’ creative ability.

Hence the hypothesis Ho3 is rejected i.e. there is a significant prediction of creative ability of students with the help of personal and professional characteristic of teachers.

Conclusion:

Results revealed that the correlation of personal characteristics of teachers and students creativity (**Ho₁**) is significant indicating 0.206. As per **Ho₂** it confirms that the correlation of professional characteristics of teachers should positive effectiveness on students’ creativity. The personal characteristics and professional characteristics (**Ho₃**) are taken together than also the results mirrored to a significant effect on students’ creativity.

The up gradation of students’ knowledge and creative ability always influence by the teachers’ in all the aspects. The results showed that the personal characteristics of teachers’ are mostly impactful in formulation of students’ behavior, attitude, cognition, thinking process, mental set and cultural ethical uses. So far as, professional characteristics are concerned teachers played a prominent role in the form of ideal human resource to deal with difference profession aspects which influence the students as well as society with a miniature form.

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