

FACTORS RELATED TO CREATIVITY

by

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CERTIFICATE

This is to certify that the thesis outlined, "Factors Related to Creativity" being submitted by Kusum Sharma to the Indian Institute of Technology, Delhi for the award of the degree of Doctor of Philosophy, is a record of bonafide research work carried out by her. Kusum Sharma has worked under my guidance and supervision and has fulfilled the requirement for the submission of this thesis, which to my knowledge, has reached the requisite standard.

The results contained in this thesis have not been submitted in part or in full, to any other University or Institute for the award of any degree or diploma.

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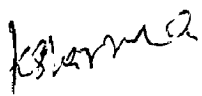
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ABSTRACT

The present investigation was carried out to explore the relationship of creativity with certain background, psychological and organisational factors among students of 9th grade of higher secondary schools of Delhi, India. The study is based on the theory of creativity by Guilford.

Altogether sixteen factors; five of them classified as background, eight as psychological and three organisational variables were included in the investigation.

The sample consisted of 481 students (230 boys and 251 girls) from twenty different government, private aided, public and central schools of Delhi. 184 teachers were administered a questionnaire to find out the climate of the school in the second instance. The selection of the two samples was done on the basis of two-stage stratified proportionate simple random sampling method. Data were collected through a set of twelve tests and inventories and analysed using various univariate, bivariate and multivariate statistical techniques.

A set of four hypotheses were tested and interpreted under 3 broad groups of variables which tested the (i) relation of background variables with creativity scores, (ii) the relation of psychological variables with creativity scores and (iii) the relation between organisational variables and creativity scores.

On the basis of these findings, it was concluded that creativity was significantly related to various background variables such as sex, number of siblings, type of family and socio-economic background; to psychological variables like achievement, intelligence, teacher behaviour as perceived by students, social desirability, some of the characteristics preferred by parents like conformity, independence and social desirability; and to organisational variables like management of school.

A causal model of creativity has been developed and suggestions for further research have been made.

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