

A VALIDATION STUDY OF KRATHWOHL'S MODEL OF
AFFECTIVE PROCESSES

by

SWADESH MOHAN (nee JUNEJA)

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C E R T I F I C A T E

This is to certify that the thesis entitled "A Validation Study of Krathwohl et al's Model of Affective Processes" being submitted by Mrs. Swadesh Mohan for the award of Doctor of Philosophy to the Indian Institute of Technology, Delhi, is a record of bonafide research work carried out by her under our supervision. The results obtained in this thesis have not been submitted to any other University for award of any degree or diploma.

Purnima Mathur

Dr. Purnima Mathur
Professor,
Deptt. of Humanities &
Social Sciences,
Indian Institute of
Technology,
DELHI.

P.M. Patel

Dr. P.M. Patel
Professor,
Personnel Selection
Services,
National Institute of
Bank Management,
BOMBAY.

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SWADESH MOHAN

ABSTRACT

The present research is an attempt to study validity of the "Taxonomy of Educational Objectives : Affective Domain". More specifically, the inquiry was focussed on finding correspondence between the theoretical model and the available empirical evidence, empirical validity of the hierarchical order of constructs, the internal consistency of the system, and some properties of the 'continuum of internalization' which underlies the constructs of the model at various levels.

The techniques adopted for the validation study were some verbal measures of affective behaviour in four different value-domains viz., Justice, Religion, Literature, and Science. These measures elicited information about the affective behaviour at all the thirteen taxonomic levels of internalization into which the affective educational objectives have been classified. The main tools of the study were constructed, for which a tryout study on 158 students was carried out.

The main study was conducted on 356 Senior Secondary students belonging to 13 schools of Delhi, selected on the basis of Multi-stage Stratified Sampling. Both boys and girls were included in the sample.

A number of statistical techniques were utilized to test the hypotheses regarding descriptive, structural, and functional validity of the model. The analyses included an a priori method comprising judges' ratings, and empirical methods of data analysis consisting of Ordering-Theoretic Data Analysis, Coefficients of Correlation, Factor Analysis, and Scalogram Analysis.

The findings were interpreted across four values measured, with deciding factor being the similarity of results obtained in at least three of the four measures in relation to the respective hypotheses. The main conclusions arrived at were: (1) The constructs of the model at various stages are unambiguous and describable in behavioural terms, (2) In general, the logically derived constructs of the model correspond to their empirical referents in their hierarchical sequence, (3) The lower level constructs (categories) show prerequisite relationships among themselves, and with higher level constructs, (4) The system of constructs is internally consistent, (5) Categories Nos. 2.1 and 5.1 do not show an invariant sequence, and (6) The continuum of internalization is multidimensional.

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