



CHAPTER - III
RESEARCH
METHODOLOGY

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Research Methodology

3.1 Introduction

Research methodology involves the systematic procedure by which the researcher starts from initial identification of the problem to its final conclusion. The role of methodology is to carry on the research work in scientific and valid manner. This chapter deals with method employed to achieve the objectives of the study.

In this chapter the methodological steps such as selection of the sample variable of the study, design of the study, administration of tool, and statistical techniques used for data analysis have been included the study of implementation of continuous and comprehensive Evaluation in scholastic and co-scholastic area in Jawahar Navodaya Vidyalaya.

On the basis of this research finding certain generalization can be made which will provide insight towards the effective implementation of continuous and comprehensive evaluation.

3.2 Selection of the Sample

A sample is a small proportion of the population that is selected for observation and analysis. Sampling is a process by which a relatively small number of individuals or measures of individuals, object or event is selected and analyzed in order to find out something about the entire the population from which it was selected. Sampling procedures provides generalization on the basis of relatively small proportion of the population.

Proper selection of the sample and its size by using correct techniques increases the authenticity of research findings. Therefore, keeping the time, objectives and hypothesis of the present study in mind, a purposive sample, was selected in Navodaya Vidyalaya of Pune Region.

Out of 100 teachers were selected from five Navodaya Vidhyalaya having sample size is presented as following table.

Table 3.1

Details of sample pertaining to the present study

Sr. No.	Jawahar Navodaya Vidyalaya (Pune Region)	No. of Teacher
1	Jawahar Navodaya Vidyalaya Bhusawal Dist. Jalgoan	20
2	Jawahar Navodaya Vidyalaya Bharuch	20
3	Jawahar Navodaya Vidyalaya Nandur bar	20
4	Jawahar Navodaya Vidyalaya Nashik	20
5	Jawahar Navodaya Vidyalaya Dhule.	20
Total		100

3.3 Variable of the study

Variables are the conditions or characteristics that the experimenter manipulates, controls or observes.

Independent Variables- The independent variables are the conditions or characteristics that the experimenter manipulates or controls in his or her attempt to ascertain their relationship to observed phenomena.

Dependent Variables- The dependent variables are the conditions or characteristics that appear, disappear or change as the experimenter introduces, remove or change independent variable. The dependent variables gets its name because it depends on what researcher does with the independent variables.

In the present study following independent & dependent variables have been used.

- **Independent Variable**

Five Jawahar Navodaya Vidyalaya of Pune Region.

- **Dependent Variable**

Implementation of continuous and comprehensive evaluation.
Selected component of Scholastic & Co-Scholastic area.

3.4 Design of the Study:

“A Research design is a specification of operations for the testing of hypothesis under a given set of condition.” - Tuckman

The present study is descriptive in nature & falls under the broad category called Descriptive research. The method used study of implementation of continuous and comprehensive evaluation in Pune Region of Navodaya Vidyalaya will be assessed using survey method.

3.5 Tool Used

As the major purpose of the researcher was to find out the implementation of continuous and comprehensive Evaluation in scholastic and co- scholastic area in Navodaya Vidyalaya, hence to measure Implementation of continuous and comprehensive Evaluation a self made tool named as, “Implementation of continuous & comprehensive Evaluation Teacher Questionnaire”, was used. The tool is prepared to assess the five component of scholastic and co-scholastic area under CCE –

1 Diagnosis of Weaknesses.

2 Remedial Teaching

3 Supervision.

4 Problem Solving

5 Grading.

This study encourages to find out the implementation of CCE practices in Navodaya Vidyalaya.

The tool used in this study were self made questionnaire & related to implementation of CCE. The questionnaire was prepared for the teaching keeping in view of implementation of CCE, on the Five component under CCE. This questionnaire comprises 30 questions which have two option i.e, Yes and No. Some questions have descriptive types having opinion regarding with implementation of CCE has been given. The positive responses of Yes or No types question awarding one mark each and negative responses will be given zero marking. The teachers were requested to write their judgment according to their own opinion related to the implementation of C.C.E. has been given.

3.6 Construction and Development of Test

A Researcher require a appropriate tool which is suitable for the collection of certain type of information. In this study the researcher made self constructed tool which relates the identification of the problem related to implementation of the CCE. In this study the researcher identified the five component of CCE which find out main dimension related to the implementation. While making or constructing this tool the researcher took consult from his guide.

According to criteria and dimension of this study researcher make thirty question items. In five component of CCE researcher prepared six question in each component related to this study. This test consisted in two form of questions like Yes or No type and some questions were descriptive in nature.

To analyze the items in terms of their clarity, time, duration and appropriateness, the tryout of this test was taken in DMS school, this school was different from selected for the main study. The test score of

adopted by the teachers. This sample questions were discussed with the teacher, staff and experts of the school and according to their suggestion the necessary changes were made in the questionnaire. The self made teachers questionnaire related with implementation contain 30 items on which it has Yes /No type and descriptive answer type and each correct response carry one mark and incorrect response carry zero mark.

3.7 Administrations of the Test

The Researcher personally took the permission of the principal of Jawahar Navodaya Vidyalaya and get acquainted with the study concerned and establish rapport with the teachers and for conducting this test time schedule was fixed. Prior to administration, it was insured that the test should be taken place in a quiet free atmosphere. Before conducting this test the teachers were given instructions properly and they were asked weather they have understood the instructions clearly or not. This study was conducted on both male and female teachers. The decided time limit for answering questionnaire was kept 30 minutes. Finally the questionnaire were collected after ensuring that no items was remained unanswered. Free atmosphere created at the beginning and during this test situation and the rapport achieved between teacher and researcher. Finally researcher expressed gratitude to the teachers for their cooperation.

3.8 Statistical techniques used

In order to study the implementation of continuous & comprehensive Evaluation the analysis of data, raw scores was classified and tabulated in different component of CCE with respect to scholastic & co-scholastic area.

The data so collected was subjected to statistical analysis such as student 't' test, Karl Pearson coefficient correlation, mean and standard deviation.