CHAPTER III
METHODOLOGY OF THE STUDY

3.1 INTRODUCTION

"To plan is to act with purpose, to choose the right alternative out of many and choice is the essence of any educational activity. If one fails to plan, one plans to fail." – L. Robbins

Having reviewed the related literature that helps in identifying the present study and its methodology the next step is to plan out the present study. The present chapter on the methodology of the study includes the Research Design, Tools used, Data collection Procedure and Data Analysis techniques.

3.2 METHODOLOGY OF THE STUDY

The methodology adopted in the present study is mentioned in the following sections.

3.2.1 DESIGN OF THE STUDY

The present study was a descriptive kind of study where the researcher attempts to find out the trend of Educational Research carried out at the School of Education, Devi Ahilya Vishwavidyalaya during 1964-2014.

3.2.2 TOOL FOR THE PRESENT STUDY

For the study, to collect the required data, an Educational Research Information and Review Schedule (Appendix —B) was developed by the researcher. The researcher had ensured the Face validity of the tool by referring the same to a team of experts in the field of Educational Research (Appendix —A). These experts carefully reviewed the developed tool, and then made a judgment concerning how well items represent the intended area i.e. the Educational Research trend analysis and review. For this purpose, a comparison was also made between what ought to be included in the tool, given its intended purpose, and what is actually included. Based on the comparison and incorporating the suggestions given by the experts, the tool was finalized. The components of the tool in the final version are mentioned in Table 3.1.

Table 3.1
Components of the Educational Research Information and Review schedule

S.N.	Component	Number of Items
i.	Basic information about the Research	5
ii.	Physical information of the Research	6
iii.	Area of the research	3
iv.	Reviewed Literature	5
v.	Methodology of the research	5
vi.	Type/Method of research	3
vii.	Sampling technique used	4
viii.	Tools used	5
ix.	Data analysis technique used	3
x.	Reference styles used	4
xi.	Final Output of the Research	1
	Total	**44**

3.2.3   PROCEDURE OF THE STUDY

In the present study 'Trend analysis of the Educational research at the School of Education, Devi Ahilya Vishwavidyalaya, Indore', both tasks of identifying Research trends and Synthesis of the research findings were carried out. This was done by following a methodology vis-a-vis to the objectives of the study in the following manner—

❑ First of all, requisite information about the researches carried out at the School of Education, Devi Ahilya Vishwavidyalaya, Indore during 1964-2014 was collected. Out of 161 Ph.D., 131 M.Phil., and 27 Research Projects studies during the time span of 1964-2014, only 149 Ph.D. studies, 124 M.Phil. Studies and 17 Research Projects using could be located using primary and secondary sources. Then, Abstracts for 290 (149 Ph.D., 124 M.Phil. and 17 Research Projects) studies were prepared.

❑ Secondly, each study was reviewed and necessary information was noted down in the *Educational Information and Review Schedule (Appendix—B)* for the realization of the second and third objectives of the study. Classification and categorization of the studies were done and review was

carried out with respect to the 11 identified components viz. Basic information about the Research, Physical information of the research, Area of the research, Reviewed Literature, Type of research, Method of the research, Data analysis technique used, Sampling technique used, Tools used, Reference styles used and Final output of the Research.

❒ Thirdly, the research trends were identified with respect to the identified 11 components over the period of 1964-2014 by employing suitable data analysis techniques.

❒ Fourthly, after realizing research trends on the 11 components mentioned aforesaid, to realize the fourth objective of the study, the synthesis of the findings of Educational researches based on the variables studied in the Educational Researches conducted at the School of Education, Devi Ahilya Vishwavidyalaya Indore, was performed using the Vote-count Method. (the detailed process of synthesizing research findings is given in chapter 5, under section 5.2.1)

❒ Lastly, after the Trend analysis and synthesis of research findings, Implications and suggestions were chalked out.

3.2.4 DATA COLLECTION PROCEDURE

During 2013-16, the required data was collected from Primary sources like the School of Education's Departmental library, University Central Library and Personal Copies hold by the researchers/Guides. But, many Ph.D., M. Phil. and project reports were found missing. Thus, secondary sources like the reports of Passi (1978), Pal (1984), Singh (1987) and Educational Research Surveys (I-VI) were utilized to collect the necessary data. The required information from these studies was filled in the Educational Research Information and Review Schedule (Appendix—A).

After collecting the data it was further analyzed "Objective Wise" with suitable data analysis techniques (Table 3.2).

3.2.5 DATA ANALYSIS

The following techniques were used to analyze the data.

For Objective—1, Content Analysis was used to prepare the abstracts of the studies.

For Objective—2 and Objective—3, Classification & Categorization of the educational Researches and trend Analysis were done by the Frequency Count, Percentage, Mean, Content analysis (Inducto-Deductive method and Analetico-Synthetic method) was used.

For Objective—4, the Vote Counting Method of Meta-Analysis was used to synthesize the research findings. The synoptic view of Objective-wise data analysis techniques used is detailed in Table 3.2.

Table 3.2

Data Analysis techniques used

Objective	Data Analysis techniques	Software Used
Objective—1	Content Analysis	MS Word, MS Excel and Statistical Package for Social Sciences (SPSS) ver. 21
Objective—2	Frequency Count, Percentage, Mean, Content analysis (Inducto-Deductive method and Analetico-Synthetic method)	
Objective—3		
Objective—4	Vote Counting Method	

The present chapter dealt with the Methodological aspect of the research. The outcome of the employed data analysis techniques is being presented in the next chapter.