

**DEPARTMENT OF EDUCATION**  
**RANI DURGAVATI VISHWAVIDALAYA**  
**JABALPUR, M.P.**



**Pre Ph.D Course Work Syllabus [CBCS]**

**Session 2022 Onwards**

**FACULTY OF EDUCATION**

**Rani Durgavati Vishwavidyalaya**  
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**RANI DURGAWATI UNIVERSITY  
FACULTY OF EDUCATION**

**SYLLABUS FOR PRE PH.D. COURSE WORK IN EDUCATION  
AS PER ORDINANCE 16**

- (1) Every student admitted to Ph.D. Programme in the Faculty of Education shall be required to pass a "Course Work" of minimum 15 credits.
- (2) Semester for Ph.D. course work shall start from the academic session May and will be of 15 credits.
- (3) The 15 credits shall be distributed as follows:

Course Code	Course Title	Credits	Total Marks
PPE-101	Research Methodology	5	100
PPE-102	Computer Application	3	50
PPE-103	Review of Literature	3	50
PPE-104	Comprehensive Viva	4	50
<b>TOTAL CREDITS</b>		<b>15</b>	<b>250</b>

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**SYLLABUS**  
**Pre Ph.D. Course Work**  
**PART-I**  
**PAPER -1**  
**RESEARCH METHODOLOGY**

Course Code - PPE-101

**Credit 05**  
**Max. Marks - 100 marks**  
**External Marks – 80**  
**Internal Marks – 20**  
**Min. Marks - 50**

Research Methodology paper will be of 100 marks. The theory paper will be of 100 marks. The main objective of this paper is to acquaint the students of Education with the methods of research.

This paper is expected to provide the basic knowledge of Research techniques, selection, collection and interpretation of data and also to promote Educational research and reforms in Education. It will facilitate the students to develop a scientific approach towards Educational problems. The following shall be the course of the paper.

**OBJECTIVES**

- To make researcher aware about research in education.
- To make them familiar with the nature of research in education.
- To impart them concepts of Scientific Method, Scientific Inquiry, Paradigm, Theory and their implications for educational research.
- To help researcher to understand the characteristics of positivist and non-positivist research paradigms as they apply to educational research.
- To make researcher learn the reasoning and its use in educational research. To train students in selecting the suitable problem.
- To make researcher familiarize with the steps of research proposal and train them in formulating research proposal.

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 Prerna Tiwari  
 Chairman, Board of Studies

## CONTENT

### Unit – I Basics of Educational Research

- 1.1 Educational Research as a scientific process: Meaning , need and nature of Educational Research .
- 1.2 Types of Educational Research : Historical, experimental and descriptive .
- 1.3 Sources of problem/topics of educational research (criteria for selection and identification of problem.)
- 1.4 Redefining the problem /topic.
- 1.5 Stating the objectives of research.

### Unit – II Review of Related Literature :-

- 2.1 Role of related literature in educational research .
- 2.2 References and resources of educational research.
- 2.3 Types Research strategies on the internet or computer data base.

### Unit – III Formulation of Hypothesis :-

- 3.1 Hypothesis its classification.
- 3.2 Statement of hypothesis.
- 3.3 Characteristics of hypothesis.
- 3.4 Writing research proposal.

### Unit – IV Sampling:-

- 4.1 Meaning and Nature.
- 4.2 Steps in sampling design.
- 4.3 Types and characteristics of sampling.
- 4.4 Probability and non – Probability sampling.

### Unit – V Research Proposal and Synopsis :-

- 5.1 Data Collection.
- 5.2 Analysis of Data.
- 5.3 Finding and Interpretation.

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PAPER -II

**COMPUTER APPLICATION**

Course Code - PPE102

Credit 03

MAX. MARKS- 50 marks

INTERNAL MARKS -40

INTERNAL MARKS- 10

MIN. MARKS- 25

**OBJECTIVES**

- To enable researcher to understand the scope of ICT and its pedagogic applications.
- To help researcher to understand the meaning of ICT integration in research.
- To acquaint researcher with basics of Computer System and their functions.
- To familiarize researcher with the computer software and hardware approaches in education.
- To help them acquire instructional applications of Internet and web resources.

**CONTENT**

**UNIT I: INTRODUCTION TO COMPUTER SYSTEM**

1.1 Parts of Computer and their functions, Input and Output Devices uses in Research Process, Memory, Modern Components of different Hardware like laptop, tablet, smart mobiles.

**UNIT II: OPERATING SYSTEMS**

2.1 WINDOWS: Concept and Features, Creating folders, Shortcuts and their application. Internet Explorer.

2.2 ANDROID: Basic features- Interface, Application (Apps), Memory Management (RAM, ROM) Security and Privacy, Uses of Smartphone and Tablet, and their applications

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### UNIT III: MS OFFICE

3.1 MS Word: Different Menus and ribbon: Home, Insert, Page Layout, References, Mailings and Review, Functions of Office button, Customize Quick Access Toolbar.

3.2 power point: Different Menus and ribbons. making shapes. Custom Slide Show.

3.3 MS-Excel: Different Menus and ribbon, Charts and their Functions in the field of Education, Application of Function Library.

### UNIT IV: INTERNET

4.1 Online Surfing, Online Conferencing, Creation & Use of e-mail, Chat, Use of Search Engines, Use of Online Dictionaries, Translator, Plagiarism Software, UGC -INFONET, INFLIBNET and ERNE field of Education.

4.2 World Wide Web - Access information, reliability of information. Web Page and Home Page. Down loading Information.

### UNIT V: USES AND APPLICATIONS

5.1 Use of computer for Data Analysis – knowledge of software for statistical analysis such as SPSS, EXCEL.

5.2 Evaluation internet resources Authority Accuracy and objectivity.

5.3 Brief note on E book and virtual Library.

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PART - II  
PAPER - III

**REVIEW OF PUBLISHED RESEARCH IN  
RELEVANT FIELD**

**Course Code - PPE103**

**Credit 03**  
**MAX. MARKS 50 marks**  
**MIN. MARKS 25**

As per ordinance 16 (Revised 26<sup>th</sup> April 2016) PART-II of Ph.D course work is Review of Literature. In this part the candidate have to submit Ten (10) National and Ten (10) International reviews related to the relevant topics.

PAPER - IV

**COMPREHENSIVE VIVA-VOCE**

**Course Code - PPE104**

**Credit 04**  
**MAX. MARKS- 50 marks**  
**MIN. MARKS- 25**

The candidate is expected to face a vive-voce on their review of Literature, research plan, tentative area and research work.

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