DEPARTMENT OF EDUCATION

RANI DURGAWATI VISHWAVIDAYALAYA
JABALPUR (M.P.)

Pre. Ph.D. Course Work Syllabus (CBCS)

Session 2022 Onward

FACULTY OF EDUCATION
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Pre Ph.D. COURSE WORK - EDUCATION

(Revised in light of the University Grants Commission minimum standard and procedure for award of Ph.D. degree regulation 2016 published in Gazette of India and revised again on 5th July 2016.

After having been admitted each Ph.D. student shall be required to undertake course work of 16 credits/300 marks One Semester. The course work shall be treated as Pre Ph.D. Preparation. The examination scheme of credit/marks is as approved by the university. The course work comprise of :-

PART A THEORY

PAPER I	Research Methodology	4credits/100 marks
PAPER-II	Computer Application	3 credits/50 marks
PAPER-III	Advance Course in Monitoring the Quality of Research in Education	3 credits/50 marks

PART B PRACTICAL

PAPER-IV Review of Published Research in the relevant field	3 credit/50 marks
PAPER-V Comprehensive Viva-Voce	3 credits/50 Marks

OBJECTIVES OF Pre Ph.D. COURSE WORK

- Explains and compare humanistic, scientific and policy research in Education.
- Equip the research students with different innovative modes of research methods and use of computer.
- Use and apply advanced statistical procedure in analyzing data.
- Inter research findings.
- Monitor the quality of research in Education.
- Understand the implication of quality research in the field of Education.
- Prepare synopsis.

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Scheme of Examination of Pre-Ph.D Course Work
One Semester (Six Months)

Course Code	Course Title	Theory	Practical (Assignment, Attendence & Seminar)	Credits	Total Marks	Time
PPE - 101	Research Methodology	80	20	5	100	3hrs.
PPE - 102	Computer Application	40	10	3	50	2hrs.
PPE - 103	Advance Course in Monitoring the Quality of Research in Education	40	10	3	50	2hrs.
PPE - 104	Review of Literature	-	50	3	50	-
PPE - 105	Comprehensive Viva	-	50	4	50	-
Total Credits			50	18	300	

- Candidates are required to submit one project related to Paper I, Paper II and Paper III in front of the Departmental Committee through power point.
- Each scholar is required to present and attend, two seminars in each paper which will be attended and evaluated by all the faculty member of the Department.
- Likewise, the scholars will be required to submit one assignment each in Ist IInd & IIIrd paper which will be evaluated by the concerned teachers. Marks will be alloted for attendance.
- At the end of the semester the candidate has to submit a brief report on the review of literature for evaluation, which will be done by two examiners (one internal and one external) appointed by the Examination Committee of Education.

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SYLLABUS
Pre Ph. D. Course Work
PART - A
PAPER –I
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.

<u>OBJECTIVES</u>

- 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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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 Source of problems/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 for 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 & characteristics of sampling.

4.4 Probability and non-probability sample.

UNIT - V Research Proposal and Synopsis.

5.1 Data Collection.

5.2 Analysis of Data.

5.3 Findings and Interpretation.

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REFERENCES :-

- Ary, D., Jacobs, LC. and Razanch, Asghan, Introduction to Research in Education. New York. Holt Rinehart, 1972.

- Best. J.W.: Research in Education. New Delhi Prentice Hall of India Pvt. Ltd.

- Buch, M.B. (Ed.): A Survey of Research in Education in India. Baroda: Centre of Advance Study in Education, M. S. University of Baroda, 1974.

- Buch. M.B. (Ed.): Second Survey of Research in Education (1972-1978). Baroda:

- Furlong, Nancy E. and Others: Research Methods and Statistics an Integrated Approach. Fort Worth: Harcourt College Publishers, 2000.

- Gay, L.R.: Educational Research- Competencies for Analysis and Application. New Jersey: Prentice-Hall, Inc., 19 6.

- Gage, N.L.: Handbook of Research on Teaching. Chicago: Rand McNelly and Co., 1963.

- Ghosh, B. B.: Scientific Method and Social Research. New Delhi: Sterling Publishers Pvt. Ltd., 1982.

- Good, C.V.: Essential of Educational: Methodology and Design. New York: Appleton Century Crofts, 1941.

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PAPER –II

COMPUTER APPLICATION

Course Code - PPE 102

CREDIT- 03

MAX MARKS - 50 Marks

EXTERNAL 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.
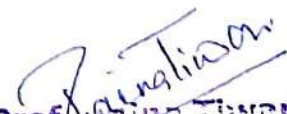
CONTENT

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.

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

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 a 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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REFERENCES :-

- Adam, D.M. Computers and Teacher Training. A Practical guide, The Haworth Pren, Inc., N.Y., 1995.
- Conrad, Kerri. Instructional Design for Web-Based Training HRD Press, 2001. Flynn. Meredith and Rutkosky, Nita: Advanced Microsoft Office 2000. New Delhi: Publications, 2000.
- Harvest Douglas: Excel 4 for Windows: Instant Reference. Singapore; Publications PTE Ltd. 1992.
- Man, David: Multimedia Technology and Applications. New York: Delmar lishers,
- Horton, W. Designing web-based Training, John Wiley & Sons, 2001.
- Thews, Martin: Windows 95 Power Tools: New York: Random se Electronic Publishing. 1995.
- Asi, Mark; Christiansen. Eric & Shapar, Kristina Expert Guide Windows 98. San Francisco: Sybex, 1998.

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PAPER –III

Advance Course in Monitoring the Quality of Research in Education

Course Code - PPE 103

CREDIT- 03
MAX MARKS - 50 Marks
EXTERNAL Marks - 40
INTERNAL Marks- 10
MIN. MARKS - 25

OBJECTIVES

- Monitor the quality of research in Education
- Understand the implication of quality research in the field of Education Prepare synopsis.
- Applying findings and conclusions of research for improvement of quality of teaching in Education.

CONTENT

UNIT- I

1.1 The Concept of Quality
1.2 Quality Control in Research QCR)
1.3 Quality Control and Quality
1.4 Assurance (QC and QA) in research
1.5 Indicators of quality in educational research

UNIT - II

2.1 Monitoring the quality of research in education.

2.2 Constraints in monitoring the quality of research in education. Managing quality of research in education.

2.3 Total Quality Management (TQM) in educational research.

UNIT - III

3.1 Factors affecting the quality of research in education. Limitations of educational research.

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3.2 Ethical issues in Research.

UNIT - IV

4.1 Interpretating results and conclusions of research.

4.2 Practicability of educational research.

4.3 Applying findings and conclusions of research for improvement of quality of instruction in general and teacher education in particular

UNIT - V

5. 1 Global trends in educational research.

5.2 Globlization Vs Localization of educational research.

5.3 Need based research in education.

5.4 Emerging fields in educational research.

INTERNAL ASSESSMENT

Development of a Research Tool.

REFERENCES :-

- Furlong, Nancy E. and Others: Research Methods and Statistics an Integrated Approach. Fort Worth: Harcourt College Publishers, 2000.
- Gay, L.R.: Educational Research- Competencies for Analysis and Application. New Jersey: Prentice-Hall, Inc., 19 6.
- Gage, N.L.: Handbook of Research on Teaching. Chicago: Rand McNelly and Co., 1963. Ary, D., Jacobs, LC. and Razanch, Asghan, Introduction to Research in Education. New York. Holt Rinehart, 1972.
- Best. J.W.: Research in Education. New Delhi Prentice Hall of India Pvt. Ltd.
- Buch, M.B. (Ed.): A Survey of Research in Education in India. Baroda: Centre of Advance Study in Education, M. S. University of Baroda, 1974.
- Buch. M.B. (Ed.): Second Survey of Research in Education (1972-1978). Baroda:
- Ghosh, B. B.: Scientific Method and Social Research. New Delhi: Sterling Publishers Pvt. Ltd., 1982.
- Good, C.V.: Essential of Educational: Methodology and Design. New York: Appleton Century Crofts, 1941.

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PART - B
PAPER –IV

REVIEW OF PUBLISHED RESEARCH IN

RELEVENT FIELD

Course Code - PPE 104

CREDIT- 03

MAX MARKS - 50 Marks

EXTERNAL Marks - 40

INTERNAL Marks- 10

MIN. MARKS - 25

As per ordinance 16 (Revised 26th 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 –V

COMPREHENSIVE VIVA-VOCE

Course Code - PPE 105

CREDIT- 03

MAX MARKS - 50 Marks

EXTERNAL Marks - 40

INTERNAL Marks- 10

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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