

**Programme Project Report (PPR) of
Ph.D. in Education (Face to Face Mode)**

a. Programmes Mission & Objectives:

The mission of the programme is to conduct high quality research on the subject and disseminate it to scholars and other stakeholders.

The objectives of research programme are to prepare a competent researcher who can conduct independent research and to equip the researchers with the latest developments and techniques in the field of research in their respective fields.

b. Relevance of the program with HELs Mission and Goals: One of the missions of Higher Education Institution is to contribute towards research and academic development, therefore, the department has proposed to initiate Ph.D. Programme in the subject. Ph.D. programme of Uttarakhand Open University are designed to accomplish local and regional aspirations, fulfill national obligations and honor international commitments through high quality research in various disciplines. Further, it will also create more opportunities for the learners who wish to pursue research on the subject areas. Additionally, it will also help the faculty member working in Open and Distance Learning Institutions to contribute towards academic excellence through guidance in research programme.

c. Nature of prospective target group of learners: The students who wish to join Ph. D. programme are required to have a master degree in education (M.Ed./ M.A. Education) from recognized institution/university. Those learners who wish to contribute through research in the field of education will be the target group of learners. Further, working professionals in Govt. Organisations and Community Based Organisations or other Institutions may also comprise of the target group of learners.

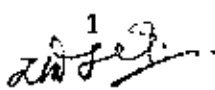
d. Appropriateness of programme to be conducted in Open and Distance Learning mode to acquire specific skills and competence: As per the letter of UGC to Uttarakhand Open University about to conduct Ph.D. programme. the Ph.D. Programme will be conducted as per UGC Rules and Regulations 2016 [UGC (minimum standards and procedure for award of M.Phil. / Ph.D. Degrees) Regulations, 2016 (F.1-2/2009 (EC/PS) V (I) dt. 05.05.2016] under face to face mode (not in Open and Distance Mode).

e. Instructional Design:

Duration of the programme: Minimum duration of course work is six months and minimum duration of programme is three (03) years including course work and maximum duration will be six (06) years (As per UGC Regulation 2016).

The programme will be divided in two phases:

Phase I: Course Work of Six Months (The details are attached herewith as ANNEXURE I)


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Phase II: Research Work (The details are attached herewith as Ph.D. Ordinance of Uttarakhand Open University- ANNEXURE II)

f. Procedure for admissions, curriculum transaction and evaluation:

Eligibility for admission

1. Students who have passed the M.Ed./ M.A. (Education) from a recognized institution
2. Fulfill eligibility criteria as per UGC Rules and Regulations 2016 [UGC (minimum standards and procedure for award of M.Phil. / Ph.D. Degrees) Regulations, 2016 (F.1-2/2009 (EC/PS) V (I) dt. 05.05.2016].

Procedure for admissions, curriculum transaction and evaluation: As per Ph.D. Ordinance of Uttarakhand Open University 2016 (Attached as ANNEXURE II)

Fee Structure

| Fee Details | Fee | Total |
|----------------------------------|--------------------|------------------|
| Entrance Fee | Rs. 1000 | Rs. 1000 |
| Registration and Course Work Fee | Rs. 6500 | Rs. 6500 |
| Course Work Exam Fee | Rs. 750 + Rs. 1000 | Rs. 1750 |
| I Year Fee | Rs. 6500 | Rs. 6500 |
| II Year Fee | Rs. 6500 | Rs. 6500 |
| III Year Fee | Rs. 6500 | Rs. 6500 |
| Thesis Evaluation Fee | Rs. 5000 | Rs. 5000 |
| Total | | Rs. 33750 |

Note: For additional year/years Rs. 6500 per year will be charged.

g. Requirement of the laboratory support and Library Resources:

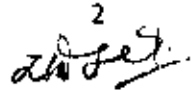
Laboratory support is not required for the concerned programme. Library resources are required in order to provide wide learning experience to the students.

h. Cost estimate of the programme and the provisions: Since programme will be conducted in regular mode as per UGC norms, therefore, financial requirement will be for conducting expert committee and BOS. The estimated amount will be Rs. 100,000/- only.

i. Quality assurance mechanism and expected programme outcomes: The programme will help in the development of professionally skilled human resource. In order to maintain the quality of the programme, it will be conducted in regular mode as per UGC Regulations 2016 [UGC (minimum standards and procedure for award of M.Phil. / Ph.D. Degrees) Regulations, 2016 (F.1-2/2009 (EC/PS) V (I) dt. 05.05.2016].

Expected Programme outcomes:

- Professionally- sound indigenous human resource will be evolved with interdisciplinary perspective for Academic or Corporate or Professional services.
- It will result in bridging the research gaps and ensure flow of information on the subject for better decision making, planning and policy development.

2

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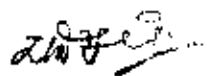
Directorate of Research and Innovation

Uttarakhand Open University

Ph. D. Course Work Structure (One Semester: 06 Months)

Total 06 Modules, each of 03 Credits (Total Credit = 18; 18×30 = 360 Hours)

| Sl. No. | Module Name | Total Credit | Total Marks Assigned (100) | | | To be administered by |
|---------|--|--------------|----------------------------|----------------------|--|--|
| | | | Evaluation (Theory) | Evaluation (Assign.) | Evaluation (Project) | |
| 1. | Module I: Introduction of Research | 03 | 70 | 30 | - | Directorate of Research & Innovation |
| 2. | Module II: Tools and techniques for data collection | 03 | 70 | 30 | - | Directorate of Research & Innovation |
| 3. | Module III: Research Writing and Technological Inputs in Research | 03 | 70 | 30 | - | Directorate of Research & Innovation |
| 4. | Module IV: Discipline Specific Research Methodologies | 03 | 70 | 30 | - | Concerned Department |
| 5. | Module V: Emerging Trends and Major Thrust areas in Discipline Specific Research Approaches | 03 | 70 | 30 | - | Concerned Department |
| 6. | Module VI: Formulating a Research Proposal | 03 | - | - | 100 (Project Evaluation -50) Presentation and Viva - 50) | Concerned Department (with the help of Directorate of Research and Innovation) |


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Module I: Introduction of Research

(03 Credits: 90 Hrs.)

- Research: Meaning and Characteristics. Why Research? Areas of Research.
- Objectives of Research: Exploration, Description, Explanation, Prediction, Influence.
- Research Paradigms/Approaches: Quantitative and Qualitative, Logical Positivist and Phenomenological.
- Research Method, Methodology & Designs.
- **General Kinds of Research (Brief Introduction):-**
 - Basic/Fundamental Research, Applied Research, Action Research; Orientational Research;
 - **Quantitative Research:**
 - Experimental Research (True and Quasi): Concept, Types, Internal & External Validity, Experimental Designs.
 - Non Experimental Research/Descriptive Study
 - Assessment Research
 - Evaluation Research
 - Descriptive Research
 - (a) Interrelationship Study: Ex-Post Facto Research/Causal Comparative Study,
 - (b) Co-relational Study
 - (c) Developmental Study
 - (i) Growth Study- Longitudinal and Cross Sectional Study
 - (ii) Trend Developmental Study
 - **Qualitative Research: Concept, Characteristics & Types**
 - Historical Research: Concept, Resources, Facts & Evidence, Criticism in Historical Researches
 - Philosophical Research
 - Case Study
 - Grounded Theory
 - Phenomenological Research
 - Ethnographical Research
 - Ethno-methodological Research
 - Symbolic Interactionism
 - **Mixed Research: Concept, Characteristics & Types**
- Epistemology, Knowledge and its Sources (Tenacity, Authority/Expert Opinion, Intuition, Empiricism (Experience), Rationalism (Reasoning- Inductive & Deductive), Scientific Approach: Basic Assumptions of Science, Scientific Methods- Exploratory and Confirmatory)
- Epistemology in Indian Tradition: Knowledge (*Jñāna*), Cognition (*Buddhi*), Apprehension (*Upalabधि*) & Consciousness (*Anubhava*); Valid Means (*Pramāṇa*) of Knowledge (*Jñāna*):-

4

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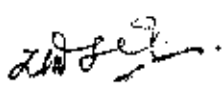
Perception (*Pratyakṣa*), Inference (*Anumāna*), Comparison (*Upamāna*), Verbal Testimony (*śabda*), Postulation (*Arthāpatti*), Non-cognition (*Anupalabdi*) & Logic (*Tarka*).

- Forms of Knowledge: Information & Facts; Concepts and Constructs; Hypotheses, Theories & Laws; Rules, Principles and Generalisation; Assumptions.
- Hypothesis: Concept, Characteristics of good Hypothesis, Types of Hypothesis (Research Hypothesis: Directional & Non-directional, Null Hypothesis, Alternative Hypothesis; Simple & Complex Hypothesis; Causal & Descriptive Hypothesis), Hypothesis Testing, Area of Acceptance, Area of Rejection, Level of Significance, Level of Confidence, Confidence Interval, Type I Error, Type II Error.
- Variables: Qualitative Variables (Organismic or Attribute Variables), Quantitative Variables (Continuous and Discrete Variables); Independent/Experimental Variables (Treatment/E-Type Variables, Attribute/S-Type Variables) Dependent Variables, Intervening Variables (Confounding Variables and Extraneous Variables).
- Universe, Population (Homogeneous & Heterogeneous, Finite & Infinite, Existent & Hypothetical), Sample, Sampling Units, Sampling Frame, Sample Units, Sampling Fraction, Response Rate, Sampling Method, Inferential Statistical Methods, Statistical Inferences, Parameters & Statistics, Sampling Distribution, Standard Error, Central Limit Theorem, Types of Sampling: Probability/Random (Unrestricted/Simple Random, Restricted: Systematic, Cluster, Stratified, Multistage), Non Probability/ Non Random (Incidental/Accidental/Convenience, Quota, Purposive/Judgmental, Snowball); Sampling in Qualitative Research: Basis of determining the Sample Size.
- Contemporary issues and Research. Politics of Research, Media and Research
- Paradigm shifts in the field of Research: Structuralism, Modernism, Scientism, Romanticism, Positivism, Post-structuralism, Post-modernism.
- Intra-disciplinary, Interdisciplinary, Multidisciplinary, Trans-disciplinary and Cross- disciplinary approaches in Research.
- Ethical issues in Research.

Module II: Tools and techniques for data collection

(03 Credits: 90 Hrs.)

- Concept of Measurement, Evaluation, Assessment & Appraisal; Scales of Measurement: Nominal, Ordinal, Interval and Ratio.
- Data: Concept and its types (Qualitative & Quantitative, Parametric & Nonparametric)
- Connotation of Tools and Techniques.
- Techniques for data collection: Observation Technique, Self Reporting Technique, Testing Technique, Sociometry Technique, Projective Technique.
- Tools for data collection: Objective & Subjective Tools. Continuum of Objectivity in context of tools.
- Different tools and their developmental procedures: Questionnaires, Schedules, Inventories, Interviews, Check Lists, Rating Scales (Numerical, Graphical, Ordering, Position, Forced

5

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Choice), Projective Tools (TAT, CAT, Ink Blot Test, Sentence Completion, Word/Picture/Sentence/Free Association Test, Psycho-drama), Sociometry (Sociometric Matrix, Sociogram, Sociometric Index), Observation, Tests, Test Battery, Attitude Scales (Thurston, Likert), Q-Short Method, Semantic Differential Scale, Cumulative Record, Anecdotal Record, Content Analysis.

- Characteristics of good research tools: Objectivity, Reliability, Validity, Norms & Usability.

Module III: Research Writing and Technological Inputs in Research

(03 Credits: 90 Hrs.)

(A) Review, Research Proposal and Research Paper Writing

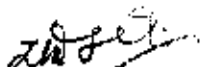
- Role of library in Research process
- Literature survey & review writing
- Techniques of Research Paper Review
- Techniques of Article Review
- Techniques of Book Review
- Basic Principles of Writing Research Paper
- Basic Principles of Abstract Writing
- Brief introduction about Seminar, Conference, Convention, Symposium, Workshop, Training Programme & Brain Storming Session
- Synopsis: Meaning, Significance, Components and Structure
- Research Proposals of Minor & Major Projects

(B) Writing Research Report

- Research report writing and dissemination of research findings.
- Structure of Doctoral Dissertation (Thesis)
- Basic technicalities of Report Writing
- Documentation, styles of documentation, use of Footnotes or Endnote
- Citation styles; Style guides with examples (APA, MLA & Chicago)
- How to write References and Bibliography

(C) The application of Information and Communication Technologies in Research

- Introduction to computers and Internet
- Role of computer in knowledge management
- Open Education Resources and Research
- Plagiarism and ICT in Research
- Introduction to Windows XP/Vista
- Introduction to operating systems– handling different operating systems PC / Mac etc.


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6



- Role of web media for Literature survey
- Using word processing software – MS Word / Latex / others,
- Data analysis and Computer
- Drawing graphs and diagrams through computer
- Microsoft Power point presentation
- Microsoft Excel
- Microsoft Publisher
- SPSS

Module IV: Discipline Specific Research Methodologies

(03 Credits: 90 Hrs.)

(Education)

- Nature of Educational Research
- Scopes /concerns/ priorities of Educational Research
- Types of Studies in Educational Research (Qualitative-Descriptive, Historical, Philosophical; Quantitative-Experimental) (Experimental Designs, Ways of Controlling Extraneous Variables), Quasi Experimental, Causal comparative, Co relational Research)
- Research Paradigm: Quantitative Research and Qualitative Research
- Methods of the Educational Research
- Philosophical Research, Historical Research, Descriptive Research, Experimental Research, Causal-comparative Research (Ex-post Facto Research), Correlation Research, and Action Research
- Limitations of Educational Research

Module V: Emerging Trends and Major Thrust areas in Discipline Specific Research Approaches

(03 Credits: 90 Hrs.)

(Education)

- Emerging Trends in Educational Research
- Major Thrust areas in Educational Research

Note: The nature of this paper is dynamic, hence the paper has not fixed syllabus. It will be decided by the school for every batch.

Module VI: Formulating a Research Proposal

(03 Credits: 90 Hrs.)

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