



## गोंडवाना विद्यापीठ, गडचिरोली.

महाराष्ट्र शासन अधिसूचना क्रमांक २००७/(३२२/०७)विशी-४ महाराष्ट्र अधिनियम १९९४ (१९९४ चा महा. ३५)  
चा कलम ३ च्या पोटकलम(२) अन्वये दिनांक २७ सप्टेंबर २०११ रोजी स्थापित व महाराष्ट्र सार्वजनिक विद्यापीठ अधिनियम, २०१६ (सत्र २०१७ चा महाराष्ट्र  
विद्यापीठ अधिनियम क्रमांक ६) द्वारा संचालित राज्य विद्यापीठ)

(पीएच.डी. विभाग )

एम.आय.डी.सी. रोड कॉम्प्लेक्स गडचिरोली - ४४२६०५ फोन:०७१३२ - २१६५५४, २२३१०४, २२३३२०  
जा.क्र./गोविग/पीएच.डी. १५१३ / २०२१ दिनांक : ३० / १२ / २०२१

### अधिसूचना

गोंडवाना विद्यापीठा अंतर्गत आचार्य पदवी पुर्व परीक्षा (PET) मध्ये उत्तीर्ण झालेल्या विद्यार्थ्यांना सुचित करण्यात येते की, विद्यापीठाद्वारे लवकरच आयोजित करण्यात येणाऱ्या कोर्सवर्क करीता अभ्यासक्रम व इतर माहिती सोबत संलग्नित करण्यात आलेली आहे. दि. १३ जुलै, २०२१ रोजी संपन्न झालेल्या विद्वत परिषद सभेतील बाब क्र. ५५ अन्वये कोर्सवर्क अहवालातील मुद्दा क्र. ४.० (३) मधील Online पध्दतीने आयोजित होणाऱ्या कोर्सवर्क करीता विद्यार्थी क्षमता शिथिल करण्यात आलेली आहे याची नोंद घ्यावी.

(डॉ. अनिल झेड. चिताडे)

संचालक

परीक्षा व मुल्यमापन मंडळ,  
गोंडवाना विद्यापीठ, गडचिरोली.

#### प्रतिलिपी :-

१. मा. कुलगुरु महोदयांचे कार्यालय, गोंडवाना विद्यापीठ, गडचिरोली.
२. मा. प्र-कुलगुरु महोदयांचे कार्यालय, गोंडवाना विद्यापीठ, गडचिरोली.
३. मा. कुलसचिव महोदयांचे कार्यालय, गोंडवाना विद्यापीठ, गडचिरोली.
४. मा. परिक्षा नियंत्रक, गोंडवाना विद्यापीठ, गडचिरोली.
५. संलग्नित सर्व संशोधन केंद्र, गोंडवाना विद्यापीठ, गडचिरोली.
६. सिस्टीम अॅनालिस्ट, संगणक विभाग, गोंडवाना विद्यापीठ, गडचिरोली.



**GONDWANA UNIVERSITY, GADCHIROLI**  
(Established by Government of Maharashtra vide Notification No. MISC -2010/ (252/10) UNI-4, Dated 27th Sept. 2011 as State University, Governed by the Maharashtra Universities Act, 1994)  
(Academic Section)

## **Ph.D. COURSE WORK DETAILS**

*(This REGULATION is to be read with the relevant Direction governing PhD Course Work in various faculties of the GONDWANA UNIVERSITY. GADCHIROLI.)*

**(For those research scholars who registered after dated 30 Sep 2019)**

### **Draft Committee:**

- 1) Dr. N. S. Kokode (Chairman)
- 2) Dr. Sudhir Akojwar -
- 3) Dr. S. B. Kishor
- 4) Shri. Devesh Kamble

*Handwritten signatures and dates:*  
25/3/2021  
S.B. Kishor  
D/Minw.

## 1.0 INTRODUCTION

The students registered as PhD Scholars in this University, in accordance with the provisions of governing Direction/ Ordinance shall be required to successfully complete their Course Work, as has been made mandatory by the University Grant Commission published in the Gazette of India, dated 9<sup>th</sup> Aug. 2019. The Course Work shall be called as 'PhD Course Work' (PCW).

As per governing provisions, no candidate shall be allowed to submit his/ her thesis without PCW Completion Certificate and Consolidated Memo of Marks (CMM) by this University.

## 2.0 DURATION

A Ph.D. Course work, which will be consider as external component, should be of Min. 90 hours (60 Hours Theory + 30 Hours Practical) either Online or Offline or in Hybrid mode. A detail scheme (Refer Point no. 6) and syllabus is given in Annexure 1. A research scholars must complete the course in the 1<sup>st</sup> year after registration.

## 3.0 EXEMPTION FROM COURSE WORK

1. The Candidates who have completed their PhD either from this University or any other University recognized by the UGC from time to time shall be exempted from passing PCW examination to the extent of Papers I and II only.
2. The Course shall be mandatory for all the students pursuing PhD/ME(By Research) from this University, except exempted under above paragraph. And will be approved by course Equivalence Committee for this purpose. A committee compromise of following members
  1. Dean of concern faculty
  2. Chairman of BOS of concern subject of faculty
  3. One person who is excellence in research nominated by Pro-VC.
3. The Candidate seeking exemption shall submit application in prescribed format along with the relevant documents to the A.R. (PhD Cell). All the documents MUST be self-attested by the Candidate himself/ herself.
4. The Consolidated memo of Marks will show equivalent marks, granted by the Course Coordination Committee CCC, in the Paper(s) in which the exemptions are granted by the University, with award of respective credits. These marks in Paper I, II and III shall be

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generated as per equivalence scheme approved by the University and the marks secured by the candidate in Paper IV and V shall be basis for that. However, it is to be noted that as the Paper IV and Paper V by CHLR (Center for Higher Learning and Research)/ IHLRSS(Institutions of Higher Learning, Research and Specialized Studies) are specific research topic related Papers; all the candidates have to clear these papers.

#### 4.0 CONDUCT OF PhD COURSE WORK

1. A PCW (Ph.D. Course Work) shall be conducted by the university. However, if necessary the Vice-Chancellor may allocate the work to specific CHLR/IHLRSS center affiliated to Gondwana University, Gadchiroli.
2. A research scholars can complete the Ph.D. course work from the University or following agencies,

UGC-HRDC, NPTEL, SWAYAM, IIT Spoken Tutorial, Teaching Learning Centre (TLC), Ministry of Education sponsored Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT)

3. A Teacher from the University Department/ Conducted College/ Affiliated College havin CHLR/IHLRSS should be appointed by the course organizing committee (Vice-Chancellor / Principal) by issuing a Notification. The Vice –Chancellor /Principal shall appoint two other Teachers as the Members in the Course Coordination Committee (CCC), in consultation with the Course Coordinator. The CCC shall chalk out Ph.D. Course Work (PCW) program, in respect of

- Admission to the Program (to be displayed on website)
- Display of Admitted students list on the website
- The Intake to the PCW program shall be limited to sixty only. The CCC shall have discretion increase the number of batches, if required with the prior permission of authority.
- Display of Time Table for conduct of PCW
- Arrangement of Resource Faculty for conduct of Program
- Identification of Hall for conduct of Course Classes with necessary teaching aides
- Attendance Monitoring (Min. 75% attendance)

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- Certificate of satisfactory completion of PCW shall be issued by the Course Coordinator to the concerned candidates.
4. A University or CHLR/IHLRSS Center can charge a fees Rs. 4000/- towards conducting a Ph.D. course work from research scholars.
  5. CHLR/IHLRSS will pay Rs. 1500/- for each session of 90 minutes as a remuneration to Resource person.

## 5.0 PCW Examination

### 1. Internal Components (Evaluated by CHLR/IHLRSS)

Research scholars will perform following activities which will be consider as Internal component

- a) Will perform following activities during 1st semester
  - i. Will submit Min. 10 review of literature paper based on his/her topic.
  - ii. Summarize all paper and will list the pros and cons of papers
- b) Progress Report: A student will present Progress report viva at CHLR/IHLRSS as notified date by CHLR/IHLRSS center.
- c) Attendance and/or participation in Conference/Seminar at CHLR/IHLRSS center.
- d) Paper 4 - Research Philosophy and Foundation and Paper 5 - Specific Domain Research and Seminar which the necessary preliminary part and assessment shall be carried out at the level of respective research centre continuously throughout the Ph.D. duration. The Head of Institution of Research Center must submit a marks memo of this two papers upon successful completion of Pre-Ph.D. viva by Research scholars at research center to university immediately.

### 2. External Components (Evaluated by University)

Ph.D. Course work as an external component, should be of Min. 90 hours (60 Hours Theory + 30 Hours Practical) either Online or Offline or in Hybrid mode. It will cover following papers,

- Paper 1 : Research Methodology including Subject/discipline Related Tools and Evaluation
- Paper 2 : Computer Application
- Paper 3: Research Publication and Ethics

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3. Upon successful completion of Ph.D. course work from University/CHLR/IHLRSS, students need to undergo PCW examination conducted by University as notified by it by Director, Board of Examination and Evaluation.
4. Those research scholars who have completed the Ph.D. Course work from agencies (UGC-HRDC, NPTEL, SWAYAM, IIT Spoken Tutorial, TLC) must submit passing certificate along with marks memo to CHLR/IHLRSS & University in order to get the final mark sheet from university.
5. The Controller of Examinations shall prepare & display examination time table, conduct of examinations, execute valuation of answer books and declare results, in consultation with the CCC. After receipt of Internal Assessment marks from the respective research center of paper 4 and Paper 5 Consolidated Memo of Marks (CMM) shall be issued by the University within a week to CHLR/IHLRSS center.
6. PCW examination Fees: A student need to submit a PCW examination fees of Rs. 1000/-

## 6.0 SCHEME OF TEACHING & EXAMINATIONS

1. The scheme of teaching and examinations is mentioned below and is self-explanatory

### TEACHING & EXAMINATION SCHEME

Paper	Paper Title	Marks		Credits	Exam Duration	Exam Conducting Agency
		MAX	PASS			
1	RESEARCH METHODOLOGY	100	50	4	1.5 Hrs.	UNIVERSITY
2	COMPUTER APPLICATIONS	50	25	2	45 Min	UNIVERSITY
3	RESEARCH PUBLICATION AND ETHICS	50	25	2	45 min	UNIVERSITY
4	RESEARCH PHILOSOPHY & FOUNDATION	100	50	4	--	CHLR/IHLRSS
5	SPECIFIC DOMAIN RESEARCH & SEMINAR	100	50	4	--	CHLR/IHLRSS
<b>Total</b>		400	200	16		

**Note: Aggregate students must score 55% passing marks.**

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2. Paper 4 and 5 shall be supervised & evaluated by the concerned Supervisor/ Co-Supervisor at the respective research centre only. In Paper 4, the philosophy behind the proposed work, hypothesis and research methods to be adopted in the work shall be studied. Various academic activities like preliminary field visit/site visit/industry visit may be taken and comprehensive report shall be submitted by the candidate. However, the Paper 5 shall concentrate on exhaustive survey of literature in the specific domain area and preparation of a Review Paper. A seminar also shall be delivered by the candidate on Paper 5 work.
3. The Marks so obtained in Paper 4 and 5 shall be submitted to the A. R. (Confidential), in soft-copy as well as hardcopy, in the prescribed format only.
4. The examinations for the Papers 1, 2 and 3 shall be conducted by the University atleast twice in a year.
5. The Panel of Examiners shall be recommended by the CCC with the approval of Hon'ble Vice-Chancellor. The question paper of Paper 1 (Research Methodology) shall be in English & Marathi languages while paper 2 & 3 will be in English only.
6. The result in Consolidated Memo of Marks (CMM) shall be shown as PASS or FAIL with total aggregate 55%. Only subject wise marks (that too if not exempted) shall be shown in CMM and total marks shall not be printed. There will be no revaluation.
7. The PCW Registration Form shall be available on University Website. The Candidates can fill & submit it online with the prescribed fee. Else, the PCW Registration Form may be downloaded from the website and duly filled hard copy may be submitted along with the prescribed fee through their respective research centre.
8. The Examination shall be conducted as per schedule circulated by the University.
9. The CMM shall be passed on to the Candidates, through their respective research centre.
10. The PCW Paper 1, 2 and 3 exempted candidates shall be exempted from payment of University prescribed Course fee.
11. The Candidates shall be allowed to undertake six attempts to clear external papers i.e. Paper 1, 2 and 3.
12. However, Candidates shall pay re-examination fee prescribed by the University, irrespective of the number of exempted Papers.
13. No Candidate shall be allowed to submit the thesis unless CMM or PhD Course Completion Certificate is attached.

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*Dr. S. S. Patil*

*Dr. S. S. Patil*

Annexure – I

**Ph.D. Course Work Syllabus**

**PAPER – I : RESEARCH METHODOLOGY (CODE- RM)**

**MAX MARKS : 100**

**CREDITS: 04**

Unit	Contents	Teaching Hours
I	INTRODUCTION - Definition of Research, Meaning, Types, Objectives of Research, Research Process, Significance and Scope of Research, Criteria of Good Research, Tools used in respective subjects. RESEARCH PROBLEM & HYPOTHESIS - Identification of Research Problem, Research Question, Formulation of Research Proposal, Hypothesis – Null and Alternative Hypothesis, Testing of Hypothesis	10
II	RESEARCH DESIGN & PLAN - Meaning of Research Design, Concept of Research Design, Characteristics of good research design, Use of advanced technology in Research Design	08
III	SAMPLING DATA COLLECTION & ANALYSIS - Meaning and definition of Sampling, Sampling Design, and Probability & Non-probability Sampling. Collection of Primary & Secondary Data, Methods of Data collection - Observation, Questionnaire, Survey, interviews, brainstorming, scales and Tests etc., Validity and Reliability, Analysis of quantitative data based on various tools and its presentation with tables and graphs, Statistical Tools and techniques of data analysis.	08
IV	REPORT WRITING & EVALUATION - Principles of Report writing and guidelines according to style manuals, Contents of Report, Writing & Presentation of preliminary part, main body and reference section of the Report, Writing research abstract, Writing research paper, Evaluation of Research Report	10
	<b>Total Hours</b>	<b>36</b>

**REFERENCES**

1. Y. K. SINGH, Fundamental of Research Methodology & Statistics, New Age International Publisher, ND
2. C. R. KOTHARI, Research Methodology, Methods & Techniques, New Age International (P)
3. Salkind, Neil K, Explring Research, Prentice- Hall
4. G. C. RAMAMOORTHY, Research Methodology, Dream Tech Press India Private Limited
5. R. PANNEERSELVAM, Research Methodology, PI Learning,

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**PAPER - II : COMPUTER APPLICATIONS (CODE- CA)****MAX MARKS : 50****CREDITS: 02**

Unit	Contents	Teaching Hours
I	OPERATING SYSTEMS & Mailing - Types of Operating Systems, Windows Explorer, Creating and Managing Files and Folders, Understanding Copy, Cut, Paste functions. Email: Compose (To, CC, Bcc), Reply, Forward, Formatting, Attachments, Use of Google Drive	02
II	<b>MS-WORD</b> - Creating New Document, Save, Insert, Page Layout, Tab Setting, Inserting Picture/Charts, Header & Footer, and Printing option (paper Size, Margin Layout, Selected text, Save Preview, Printing selected pages, range of pages, number of copies, Collate options) References (Citation and Bibliography), Inserting Table of Contents, Table of Figure/Equation, Review (Comments, Tracking, Compare), Converting .doc to .PDF, Using spell check, Saving documents in different version, its conversion technique.	06
III	<b>MS-EXCEL</b> - Understanding Power of Excel, Cell reference, formulas and functions, Using data validation, Understanding Worksheet and Workbooks, Cell Properties settings (Number, Alignment, Fonts, Border etc.), Research Topic Tools like (Spelling, Auto Correct, Option settings), Formatting(Cells, Row, Column, Auto format, Conditional Format), Creating Graphs, Filtering data, Understanding Paste Special tool, Printing Worksheet and Workbook	08
IV	<b>MS-POWER POINT</b> - Creating Presentation, Slide Design, Slide, Background, Applying slide transitions and Animation, Slide Sorter View, Printing (Slides, Handouts, Notes pages, Outline View), Converting Presentation into Image Slide and Video Format.	08
	<b>Total Hours</b>	<b>24</b>

**Note: 15 hours should be spent on Practical components out of 24 hours.****REFEREENCES**

1. Microsoft Office, Publisher: Computer World Publication;
2. Ms Office 2000 for Everyone by Sanjay Saxena
3. Microsoft Word 2016 Step By Step, by Joan Lambert
4. Ms-Office with Office Automation, Dr. S. B. Kishor, Das Ganu Praksshan, ISBN 978-93-81660-67-6

**PAPER - III : RESEARCH AND PUBLICATION ETHICS (CODE- RPE)**

**MAX MARKS : 50**

**CREDITS: 02**

Unit	Contents	Teaching Hours
I	PHILOSOPHY AND ETHICS: - Introduction to philosophy: definition, nature and scope, concept, branches. <b>Ethics:</b> definition, moral philosophy, nature of moral judgements and reactions. SCIENTIFIC CONDUCT: - Ethics with respect to science and research, Intellectual honest and research integrity, Scientific misconducts: falsification, fabrication, and plagiarism, <b>Redundant publications:</b> duplicate and overlapping publications, salami slicing, Selective reporting and misrepresentation of data.	8
II	PUBLICATION ETHICS: Publication ethics: definition, introduction and importance. Best practices/standards setting initiatives and guidelines: COPE, WAME, etc., Conflicts of interest, Publication misconduct: definition, concept, problems that lead to unethical behavior and vice versa, types, Violation of publication ethics, authorship and contributor ship, Identification of publication misconduct, complaints and appeals, Predatory publishers and journals	7
III	<b>PRACTICAL:</b> <b>A) OPEN ACCESS PUBLISHING</b> 1. Open access publications and initiatives 2. SHERPA ROMEO online resource to check publisher copyright and self-archiving policies. 3. Software tool to identify predatory publications developed by SPPU 4. Journal finder/ journal suggestion tools viz. JANE, Elsevier Journal Finder, Springer Journal, etc. <b>B) PUBLICATION MISCONDUCT</b> <b>i) Group Discussions</b> 1. Subject specific ethical issues, FFP, authorship 2. Conflicts of interest 3. Complaints and appeals: examples and fraud from India and abroad <b>ii). Software tools</b> Use of plagiarism software like Turnitin, Urkund and other open source software tools.	8
IV	<b>PRACTICAL:</b> <b>DATABASES AND RESEARCH METRICS</b> <b>A. Databases</b> 1. Indexing databases 2. Citation databases: Web of Science, Scopus, etc. <b>B. Research Metrics</b> Impact Factor of journal as per journal citation report, SNIP, SJR, IPP, Cite Score. <b>Metrics:</b> h-index, g index, i10 index	7
<b>Total Hours</b>		<b>30</b>

**References:**

1. Ethical Choice in Research, Harries Cooper, Aditya Books, ISBN 9781433821684
2. The Student's Guide To Research Ethics, Paul Oliver, McGraw Hill
3. Research and publication Ethics by Santosh Kumar Yadav, ANE Books Pvt. Ltd

**PAPER- IV : FOUNDATION & PHILOSOPHY OF RESEARCH (CODE- FP)**

**MAX MARKS : 100**

**CREDITS: 04**

The assessment of this paper shall comprise of following activities undertaken by the Candidate in consultation with his/ her Supervisor

1. Survey of literature of the earlier work carried out and submission of its comprehensive report & presentation.
2. Reading and taking notes from the important concerned books, research papers and articles and submitting 'CONCEPT NOTE' on the concerned research topic and giving its presentation.
3. Visit to Research Laboratories/ Institutes/ Organizations and submitting its report.
4. Experimental/ Laboratory Field work and submitting its report
5. Comprehensive Viva-Voce

**PAPER -V : SPECIFIC DOMAIN RESEARCH & SEMINAR (CODE-RS)**

**MAX MARKS : 100**

**CREDITS: 04**

The following points shall be considered while assessment of this paper

- i. Attending at least TWO Seminars/Conferences of International/ National level related to subject (Must Attach Certificates)
- ii. Presentation of at least 2 Poster or Abstract Seminar/ Conference in the National/International (Submit Certificates)
- iii. Attending TWO National/International Workshops related to subject (Submit Certificates)
- iv. Training in National/International Research Laboratory/ Organization for not less than TWO WEEKS and give viva voce (Submit Certificate)
- v. Six Seminars (Preferably half yearly) on 'Progress of research work' which will be attended by 'Expert from External Organization/ Institution' to be appointed by the Head of the Institution and submission of its report signed by the concerned persons.

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- vi. Preparing Research Papers (minimum two) for publication on the research work and their publication in the UGC-CARE list Journal/Scopus Journal of International/ National level. However, a Candidate acquiring International/ National **Patent** shall be exempted from the research paper publications.

**Important**

- It is to be noted that conditions mentioned above in (v) and (vi) are mandatory. However, the students have to fulfill any TWO from the first four conditions.
- The Head of the Institution shall submit the marks in consultation with the concerned Supervisor/ Head of the Department/ research Head at the research center level. The Head shall judiciously ensure all necessary steps to maintain high quality of research at his/ her research centre.

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### Course Fees to be charge by CHLR/IELRSS

The following course fees need to be charge by CHLR/IELRSS according to faculty and subject based on whether research scholars need to use Equipment/practical at research center or not.

Faculty	Equipment/Practical based Subjects	Fees per semester to be charge by CHLR Center	Thesis Submission Fees	
			CHLR	University
Faculty of Humanities	Home Economics, Geography Languages (Marathi, Hindi, English, Pali, etc.), Economics, History, Political Science, Sociology, LLM	1000/-	2000/-	10000/-
Science Technology	Bio-Chemistry, Bio-Technology, Botany, Chemistry, Electronics, Environment Science, Geology, Physics, Microbiology, Zoology, Mathematics, Computer Science MFD	1500/-	3000/-	10000/-
	All Engineering Courses	7500/-	5000/-	10000/-
Commerce and Management	Commerce and Management	1000/-	2000/-	10000/-
Interdisciplinary Studies	Social work, Mass Communication, MLib.	1000/-	2000/-	10000/-

- **Progress Report:** After every six month, research scholars need to submit a progress report about his/her work in the prescribed format along with fees of Rs. 1500/- as retention fees at university.