



Shri Govind Guru University, Godhra
(Established Vide Gujarat Act No. 24/2015)

શ્રી ગોવિંદ ગુરુ યુનિવર્સિટી, ગોધરા

(ગુજરાત એક્ટ નં.૨૪ દ્વારા સ્થાપિત)

સરકારી પોલીટેકનિક કેમ્પસ, ગદુકકપુર, ગોધરા, જિ.પંચમહાલ-૩૮૮૦૦૧

નં./એકેડેમિક/ ૩૩૦૮ /૨૦૨૧

તા. ૦૪/૦૨/૨૦૨૧

પરિપત્ર: ૨૩૨૩

શ્રી ગોવિંદ ગુરુ યુનિવર્સિટી દ્વારા તા.૦૩/૦૨/૨૦૨૧ ના રોજ પ્રસિદ્ધ કરવામાં આવેલ પીએચ.ડી. ના મેરીટમાં સમાવિષ્ટ તમામ ઉમેદવારોને જણાવવાનું કે, પીએચ.ડી. કોર્સવર્કનો અભ્યાસક્રમ અને કાર્યક્રમ સૂચી આ સાથે સામેલ છે. જે ધ્યાને લઈ તમામ ઉમેદવારોને તેમના કો-ઓર્ડિનેટર સાથે સંકલનમાં રહીને કાર્યક્રમ સૂચીમાં જણાવેલ તારીખે સમયસર ઓનલાઈન ઉપસ્થિત રહેવા આથી જણાવવામાં આવે છે.

કા.કુલસચિવ

શ્રી ગોવિંદ ગુરુ યુનિવર્સિટી

ગોધરા

પ્રતિ,

- શ્રી ગોવિંદ ગુરુ યુનિવર્સિટી દ્વારા તા.૦૩/૦૨/૨૦૨૧ ના રોજ પ્રસિદ્ધ કરવામાં આવેલ પીએચ.ડી.ના મેરીટમાં સમાવિષ્ટ તમામ ઉમેદવારો તરફ જાણ સારું.

Ph. D. Course Work
2020 - 2021
(As Per UGC Guideline)



SHRI GOVIND GURU UNIVERSITY
GODHRA (GUJARAT)



PREAMBLE:

Shri Govind Guru University of Godhra, offers Ph. D. Programmes in Humanities, Social Science and Science. Hence the programme is inter-disciplinary in nature and carried in a comparative perspective. Keeping the importance of research in present scenario and to enhance the quality of research the syllabus for the Course Work as a prerequisite to continue with the programme. The programme aims at facilitating research students joining the programme from the current academic year (2020-2021) in many ways, which are essential in any kind of quality research.

The course further aims at familiarizing the perspectives, pedagogy and their implications in various areas of investigations. Preamble As per the university ordinance and new guidelines, the research scholars who are provisionally registered under the Ph. D. Programme will have to undergo a Ph. D Coursework as per UGC M.Phil/ Ph.D Regulation 2018.

- **Admission to the Programme: As per Shri Govind Guru University, Godhra Ordinance.**
- **Number of Seats: As per the vacancy every year**
- **The course aims at developing the following skills:**
 - Investigation
 - Evaluation
 - Reasoning
 - Comprehension
 - Analysis
 - Writing
 - Editing, proof reading and designing etc.

PROGRAMME STRUCTURE

The Ph. D. course work shall comprise of 10 credits including 3 subjects as under:

Sr. No.	Name of Paper	Theory	Internal Assessment (Seminar)	Max Marks
1	Research Methodology	80*	20	100
2	Advanced Research Tools and Computer Application	80*	20	100
3	Research Training in Concern Area and Literature Review	80*	20	100

* 80 Marks = 50 Marks for two assignments each carry 25 marks and 30 marks for Exam.

- The minimum attendance required during the Course work period is 80% of the total classes.
- The student shall be evaluated at the end of course work. Total marks for course work 300 (Course I- 100 marks, Course II- 100 marks and Course III- 100 marks). Pass marks is 55% in each paper in the course work in order to be eligible to continue in the programme. If a student is not able to complete a course with 55% marks, the student shall be allowed to reappear only once in the examination in the subsequent academic year.
- It is mandatory that each research scholar will do a paper presentation

COURSE – 1: RESEARCH METHODOLOGY

Unit	Content
1	INTRODUCTION OF RESEARCH: Concept of Research and Business Research, Objectives and Motivational factors for Research, Research Process, Types of Research Business Research, Identification and Formulation of Research Problem, Major Problems in the Area of Business Research – Finance, Production, Marketing and Personnel-. Importance of Research in Managerial Decisions, Components of an Ideal Research Design.
2	METHODS AND TECHNIQUES OF DATA COLLECTION: Types of Data, Methods and Techniques of Collecting Data, Major Sources of Data, Sampling Design, Attitude Measurement and Scaling Techniques, Processing – Analysis and Interpretation of Data.
3	HYPOTHESIS AND BASIC STATISTICAL MEASURES Concept, Types of Hypothesis, Errors in Hypothesis Testing, Levels of Significance, Basic Review of Measures of Central Tendency, Variation, and Skewness, Simple, Partial and Multiple Correlation and Regression; Coefficient of Association and Analysis of Time Series.
4	STATISTICAL ANALYSIS AND INTERPRETATION OF DATA Concept and Application of Parametric Tests for testing Hypothesis. Concept and Application of Non-Parametric Tests for testing Hypothesis.
5	REPORT WRITING & PRESENTATION Introduction, Types of Report, Major Divisions of an Ideal M. Phil - Ph.D. level Research Report, Method of Giving Footnotes, References, Precautions for writing the Research Report.

READING:

1. Becker, H. S. *Writing for Social Scientists: How to Start and finish Your Thesis*, Chicago; University of Chicago Press, 1986.
2. Kothari C. R. *Research Methodology – Methods and Techniques* New Age International Publishers
3. Flyvbjerg, Bent. *Making Social Science Matter: Why Social Inquiry Fails and How it can Succeed Again*, UK: Cambridge University Press, 2001
4. Gilbert, Nigel. *Researching Social life*, New Delhi: Sage Publication, 1993
5. Henn, Matt; Mark Weinstein and Nick Foard, *A Short Introduction to Social Research*, New Delhi: Vistaar Publications, 2006
6. Hunt, Morton, *Profiles of Social Research: The Scientific Study of Human Interactions*, Bombay: Popular Prakashan, 1989
7. Krishnaswami, O. R. *Research Methodology in Social Sciences*, Delhi: Himalaya Publications, 2000
8. Kumar, Renjith. *Research Methodology: A Step by Step Guide for Research*, Delhi: Pearson Education, 2009
9. *MLA Style Sheet* Latest Edition

COURSE – 2: ADVANCED RESEARCH TOOLS AND COMPUTER APPLICATION

Unit	Content
1	BASIC KNOWLEDGE OF COMPUTER
2	USE OF COMPUTER IN RESEARCH
3	USE OF TECHNOLOGY AND OTHER EQUIPMENTS IN RESEARCH
4	DATA ANALYSIS SOFTWARES AND ANALYSIS TECHNIQUES: <ul style="list-style-type: none">• Use of MS Office• Use of multimedia tools• Preparation of Power Point Presentations• Use of Internet for Research Purpose• Introduction to UGC info net, INFLIBNET and ERNET etc..
5	PRACTICAL WORK (as required under the above units)

COURSE – 3: RESEARCH TRAINING IN CONCERN AREA AND LITERATURE REVIEW

Unit	Content
1	WRITING A RESEARCH PAPER <ul style="list-style-type: none">• Choosing a Topic• Preparing a Working Bibliography• Outlining and need to write a Research Paper
2	INVESTIGATION AND TRAINING IN THE RESEARCH AREA Practical Training: Summary, Paraphrasing, Transcription
3	PRACTICAL TRAINING UNDER THE COURSE Write a research paper in concern area
4	Review of literature Concept, Meaning, Process, Data Source and methods of literature
5	Review of literature Literature review for the specific research area

Note: University can change as per need of the subject.





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(ગુજરાત એક્ટ નં. ૨૪/૨૦૧૫ દ્વારા સ્થાપિત)

સરકારી પોલીટેકનીક કેમ્પસ, ગદુકપુર, ગોધરા. જિ.પંચમહાલ-૩૮૯૦૦૧

PH. D. COURSE WORK PROGRAMME SCHEDULE (2020-2021)

SR. NO.	DATE	TIME	TOPIC
1	05/02/2021	10.00 to 12.00	Concept of Research and Business Research, characteristics of Research, Objectives and Motivational factors for Research
2		12.00 to 02.00	Types of Research, Research methods & Techniques, Case survey, Experimental - field investigation - evaluation - laboratory -business game - focus group discussion
3		02.30 to 04.30	Computer Application
4	06/02/2021	10.00 to 12.00	Types of Research, Research methods & Techniques, Case survey, Experimental - field investigation - evaluation - laboratory -business game - focus group discussion
5		12.00 to 02.00	Identification and Formulation of Research Problem, Major Problems, Importance of Research in Managerial Decisions, Components of an Ideal Research Design
6		02.30 to 4.30	Computer Application
7	07/02/2021	10.00 to 12.00	Types of Data, Methods and Techniques of Collecting Data, Major Sources of Data
8		12.00 to 02.00	Primary data collection, questionnaires (How to develop Ideal questionnaires), observation interview
9		02.30 to 4.30	Computer Application
10	08/02/2021	10.00 to 12.00	Attitude Measurement and Scaling Techniques, Processing - Analysis and Interpretation of Data
11		12.00 to 02.00	Sampling Techniques and Design
12		02.30 to 04.30	Computer Application
13	09/02/2021	10.00 to 12.00	Concept, Types of Hypothesis, Errors in Hypothesis Testing, Levels of Significance
14		12.00 to 02.00	Basic Review of Measures of Central Tendency, Variation, and Skewness
15		02.30 to 04.30	Computer Application



16	10/02/2021	10.00 to 12.00	Simple, Partial and Multiple Correlation and Regression
17		12.00 to 02.00	Coefficient of Association and Analysis of Time Series
18		02.30 to 04.30	Computer Application
19	11/02/2021	10.00 to 12.00	Testing of hypothesis: Hypothesis formulation, level of significance, degree of freedom for testing of hypothesis
20		12.00 to 02.00	Concept and Application of Parametric Tests for testing Hypothesis (t - test)
21		02.30 to 04.30	Computer Application
22	12/02/2021	10.00 to 12.00	Concept and Application of Parametric Tests for testing Hypothesis (z - test)
23		12.00 to 02.00	Concept and Application of Non-Parametric Tests for testing Hypothesis (χ^2 test)
24		02.30 to 04.30	Computer Application
25	13/02/2021	10.00 to 12.00	Introduction, Types of Report, Major Divisions of an Ideal M. Phil - Ph.D. level Research Report
26		12.00 to 02.00	Method of Giving Footnotes, References, Precautions for writing the Research Report
27		02.30 to 04.30	Computer Application
28	14/02/2021	10.00 to 12.00	Use of Internet for Research Purpose, UGC info net, INFLIBNET and ERNET
29		12.00 to 02.00	WRITING A RESEARCH PAPER : Choosing a Topic, Preparing a Working Bibliography, Outlining and need to write a Research Paper
30		02.30 to 04.30	Write a research paper in concern area
31	15/02/2021	10.00 to 12.00	Review of literature Concept, Meaning, Process, Data Source and methods of literature
32		12.00 to 02.00	Review of literature Literature review for the specific research area
33		02.30 to 04.30	Computer Application
34	16/02/2021	10.00 to 12.00	Review of literature Literature review for the specific research area
35		12.00 to 02.00	Simple statistical applications such as F, ANOVA
36		02.30 to 04.30	Computer Application



37	17/02/2021	10.00 to 12.00	Literature survey using web, Handling search engines
38		12.00 to 02.00	Concept and Application of Non-Parametric Tests for testing Hypothesis (Mannwhitney u tests and Kruskal - Wallis)
39		02.30 to 04.30	Computer Application
40	18/02/2021	10.00 to 12.00	Assignments submission and Exam of 30 Marks
41		12.00 to 02.00	Meta Analysis
42		02.30 to 04.30	Computer Application
43	19/02/2021	10.00 to 12.00	Concept and Application of Non-Parametric Tests for testing Hypothesis (Wilcoxon test)
44		12.00 to 02.00	Educational research and policy making
45		02.30 to 04.30	Computer Application

