



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

શ્રી ગોવિંદ ગુરુ યુનિવર્સિટી, ગોધરા

(ગુજરાત એક્ટ નં. ૨૪/૨૦૧૫ દ્વારા સ્થાપિત)
સરકારી પોલીટેકનીક કેમ્પસ, ગદુકપુર, ગોધરા. જિ.પંચમહાલ-૩૮૯૦૦૧

No.Academic//352/2022

Date:05/02/2022

NOTICE

ADVANCED RESEARCH WORKSHOP FOR PH.D. SCHOLARS OF SGGU, 2021-22

All scholars have been exposed to the 3-day Basic Course on Research Methodology and Biostatistics. This would have enabled all to know the basic principles involved in Research which is vastly different from the clinical work with which all of us are fairly familiar. The next stage will take us to the intricacies of the principles of research as we are formulating the synopsis which is the starting point for your Ph.D. work.

A 3-day **residential workshop** is being organized (in which your guides will also participate) on a suitable date as dictated by the current pandemic situation, which will be preceded and followed by assignments that will form a part of your course work assignments. The components are also a part of the UGC laid down guidelines for Ph.D. scholars.

The Objectives of the workshop would be:

1. Finalizing the topic of your Ph.D. research
2. Becoming familiar with the details of the research methods relating to your topic
3. Understand the role of descriptive and inferential statistics in interpreting research findings
4. Learning the role of software in Research
5. Undertaking the writing of Research Proposal for the synopsis
6. Planning a pilot study

All scholars are requested to closely follow the timetable for submission of assignments laid down for getting the maximum benefit from this learning session. Please note that the workshop's design is heavily dependent upon the work you do and the quality of exchange that takes place between you and your guide. That will enable each scholar to get a deeper insight into your topic, what is needed to work in the area, and what to expect to learn in the workshop.

We will take up a design that has been chosen, give the overview drawing the action to the specificities and this will be followed by a Group discussion where the involved scholars will interact and clear their difficulties.

The workshop should end with their primary presentations and give a give round plan for completing the Pilot project which should be reported after 3 months.



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Pre-Workshop preparatory work to be completed and sent to the guide as per the dates stipulated below. Note that this will be a 2-stage procedure, the second one heavily dependent upon the successful completion of the first.

No	Activity	Date of submission
1.	All scholars to choose broad area for their research giving reasons. Do baseline reading of the area and mention the references consulted. Zero in on a topic Get a tentative approval from the guide	04 th February 2022
2.	Formulate the Research questions with Hypotheses, Work out the population and variables involved Submit a Background note giving justifications for the RQ framed with gap analysis	12 th February 2022

Note: Kindly take the help of references shared at the first workshop



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Program of 3-Day Advanced Research Methodology Workshop for Ph.D. Scholars
36 hours

Time	Topic	Method	Facilitators
	Day 1 -17/02/2022		
09:00 -09:30	Registration		
09:30 -09:45	Pretest		
09:45- 10:15	Inauguration		Hon.V C Sir
10:15-10:30	L1: Brief Review of the tasks for PhD scholars	L	
10:30 -12:00	D1: Finalizing the area for PhD Research: Ph.D.view of submissions and finalization	D	
12:00-13:15	GA 1: Zeroing in on the Topic and Research Questions Each guide and her/his scholars will share with her/his 1. Selected research topic and assessment on FINER criteria 2. Research queue researcher the topic & mention type of research question. 3. Mention the population 4. Mention the variables 5. Mention the hypothesis and type (if any	GA	
14.00 - 14.30	L2: Design 1 and the relevant issues	L	
14.30 - 15.00	D 2: Discussion of Design 1	D	
15.00 - 15.30	L3: Design 2 and relevant issues	L	
15.30 - 16.00	D3: Discussion on Design 2	D	
16.15 - 16.45	L4: Design 3 and relevant issues	L	
16.45 - 17.15	D4: Discussion on Design 3	D	
17.15 - 18.15	Enrollment, Assessment & End poiEndpointsia	LD	
	Feedback		
18.30 - 20.30	Group work for the presentation	GA	Participants in groups



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Day 2. 18/02/2022

09:00-09:45	Recapitulation: Bias, Chance and Confounding factors	L	
09.45 - 10.30	Enrollment plan and Case record	L	
10.30 - 11.00	GA 2:Types of variables(data), conversion of data from one Type to other, scales of measurement concerning proposals received	GA	
11.15 - 12.00	L 6: Revision of descriptive statistics(concept of central tendency & dispersion, normal curve, skewed distribution)	L	
12.00 - 13.15	L 7 Interpretation of statistical test- probability, significance, CI, power, etc	L	
14.00 - 14.45	LD 1: Sample size determination (demo of the use of computers)	LD	
14.45 - 15.45	L 8: Inferential statistics & statistical fallacies:- Parametric, nonparametric, which test to use when & why(a case of ANOVA, also post hoc tests)	LD	
16.00 - 16.45	LD 2: Use of computers in inferential statistics	LD	
16.45 - 17.45	L 8:Proposal writing for Ph.D. with directives to make a presentation of their proposals the next day	L	
	Feedback		
18.30 - 20.30	Group work for the presentation	GA	Participants in groups



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Day 3.19/02/2022

Time	Topic	Method	Facilitators
09.00 - 09.45	Recapitulation: Use of Excel for data presentation	LD	
09.45 - 10.30	LD 3: Demonstration of Epi Info and Open EPI - the WHO software		
10.30 - 11.00	L 10: Referencing Management	LD	
11.00 - 11.45	GA 5: Implementation of research- Gantt charting, operational definitions, pilot study, monitoring, etc	GA	
12.00 - 13.00	MCQ Test		
13.00 - 13.30	Lunch		
13.30 - 17.30	GA 6: Project Presentations By Participants	GA	All Guides & Resource persons
17.30 - 17.45	Feedback		
17.45 - 18.15	Valedictory session		

L= Lecture; GA = Group Activity; LD = Lecture Demonstration D= Discussion

Course 2: Assignment Total hours: 20, Credit: 1.25

The assignment is related to your proposed research topic

- 1) Search 3 articles related to your research topics [12 hours]
 - a. Write down the step you have adopted for searching the articles
 - b. The selected articles should be about the following areas
 - i. Historical aspect / Homoeopathic philosophy related
 - ii. Recently published article - preferably in the last 3 years
 - iii. Assessment parameter related - scale or homeopathic outcome measurement related
 - c. Write a summary of these articles as a part of a review of the literature .
- 2) Prepare the special case record taking care of all the variables [4 hours]
- 3) Prepare the dummy tables for writing the results for further analysis of the data [4 hours]


I/c. Registrar
Shri Govind Guru University,
Godhra