

# WORKSHOPS ON RESEARCH METHODOLOGY

23<sup>TH</sup> TO 25<sup>TH</sup> AUGUST 2016



ORGANIZED BY DIRECTORATE OF RESEARCH PIMS – DU  
LONI.

Loni-413736, Tal: Rahata, Dist: Ahmednagar (Maharashtra)

Day wise Schedule workshop  
Tentative Program Schedule of Research Methodology  
Workshop  
(Basic) Number of participants: 45-50

DAY-23 <sup>th</sup> August 2016					
Sr No	Lectur e	Topic	Faculty	Time Minute s	From -To
		Registration & Breakfast		30	08:30- 09:00
1.		Inauguration ** Pretest		60	09:00- 10:00
2.	1.	Introduction to research methodology	Dr. A. P.Kulkarni	60	10:00- 11:00
3.	2.	Study Designs-1: Overview of study designs & Descriptive studies	Dr. A. P. Kulkarni	60	11:00- 12:00
4.	3.	Study designs-2: Case Control Studies	Dr. Mrs. Suvarna Joshi	60	12:00- 13:00
		LUNCH			13:00- 14:00
5.	4.	Study Designs-3: Experimental studies	Dr. Mrs. Suvarna Joshi	60	14:00- 15:00
6.	5.	<b>Group Activity-1:</b> Participants will be divided into 4 -5 groups. • Each group will discuss among itself and come out with at-least 1 research	<b>Group Activity:</b> Dr. A. P.	75	15:00- 16:15

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		<p>question and related hypothesis (if applicable)</p> <ul style="list-style-type: none"> <li>• Indicate why the topic was selected by the group over other topic/s</li> <li>• Indicate the type of study required to be undertaken to answer the RQ , with reasons thereof</li> <li>• Indicate main variable/s that included and measured in the study</li> <li>• Indicate population (group) in which the study will be undertaken.</li> </ul> <p><b>Group presentation</b></p> <ul style="list-style-type: none"> <li>• The group will nominate one participant as its representative and the representative will present the summary of discussion of the respective group.</li> </ul>	Kulkarni & Dr. J D Deshpande		
7.	6.	Types of variables, Scale of measurement, Data editing & data grouping	Dr. A. P. Kulkarni	45	16:15– 17:00

### DAY- 24<sup>th</sup> August 2016

Sr No	Lecture	Topic	Faculty	Time Minutes	From -To
		<b>Breakfast &amp; Tea</b>		30	08:30– 09:00
8.	7.	Descriptive statistics : ( Rate, ratio, Proportion, Measures of central tendency,	Dr. D B Phalke	60	09:00– 10:00

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		measures of variation, Confidence limits of sample statistic)			
9.	8.	Sampling methods	Dr. R. C. Goyal	45	10:00–10:45
10.	9.	Sample size determination	Dr. A. P. Kulkarni	45	10:45–11:30
11.	10.	Inferential statistics	Dr. A. P. Kulkarni	45	11:30–12:15
12.	11.	Evaluation of diagnostic test	Dr. Sunil Kachewar	45	12:15–13:00
		<b>LUNCH</b>			13:00–14:00
13.	12.	<p><b>Group Activity –2:</b> Participants will divide into groups as in GA-1. Each group will discuss and present</p> <ul style="list-style-type: none"> <li>• Main and other variables in the study along with type of each variable &amp; scale of measurement</li> <li>• Indicate descriptive statistics for each of the variables.</li> <li>• Indicate sampling methods &amp; sample size</li> </ul> <p>Indicate inferential statistical tests that will be required</p>	<p><b>Group Activity:</b> Dr. A. P. Kulkarni &amp; Dr. J D Deshpande Dr Rahul Kunkulol Dr Sandeep Narwane</p>		14:00–15:00
14.	13.	Writing of thesis.	Dr. D H Nandal	60	15:00–16:00
		<b>DAY- 25<sup>th</sup> August 2016</b>			
<b>Sr No</b>	<b>Lecture</b>	<b>Topic</b>	<b>Faculty</b>	<b>Time Minutes</b>	<b>From –To</b>

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		<b>Breakfast</b>		30	08:30– 09:00
15.	14.	Literature search	Dr. A. P. Kulkarni	45	09:00– 9:45
16.	15.	Ethical issues in medical research	Dr Rahul Kunkulol	45	09:45– 10:30
17.	16.	Research in PIMS–DU	Dr Rahul Kunkulol	45	10:30– 11:15
18.	17.	Critical Evaluation of journal article	Dr J. D. Deshpande	45	11:15– 12:00
19.	18.	Two journal articles (different study designs) will be presented and discussed by members). One representative from each group will present the observations.	<b>Group Activity:</b> Dr. A. P. Kulkarni & Dr. J D Deshpande Dr Rahul Kunkulol	75	12:00– 13:30
		<b>LUNCH</b>		45	13:30– 14:00
20.	19.	Valedictory (With Feedback from participants) ** Post test			14:00 – onwards