Pondicherry Institute of Medical Sciences (A Unit of The Madras Medical Mission)

### Research Methodology Workshops for Postgraduate Students

#### Course content

Our institute has been conducting Research Methodology cum Dissertation Protocol Writing Workshops for postgraduate students during the first semester. They are conducted by faculty members with good knowledge and experience in health research in two phases using hands-on Teaching-Learning methods: basic principles and concepts of research methodology are taught during the first phase and second phase mainly covers about the dissertation protocol writing. The topics which are covered during the workshop includes: assessing the feasibility of the research proposal, framing the title and research question, literature search using PUBMED, study designs, sample size calculation, developing and validating data collection tools, data entry and analysis using statistical software, role of ethics in research, preparation of participant information sheet and written informed consent form and referencing. Students also learn about how to write the dissertation protocol with the following sub-headings: introduction, objectives, review of literature, materials and methods, ethical considerations, references and annexure. Students' levels of knowledge before and after the workshops are assessed by administering pretest and posttest questionnaires. At the end of the workshop, feedback is received from the students.

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### RESEARCH METHODOLOGY WORKSHOP FOR PG STUDENTS - BATCH 2016

DATE: 30th & 31st May 2016

Time: 8.30 am- 4.30 pm

Venue: MEU seminar hall, ETC complex

PROGRAMME SCHEDULE

Time		Day 1-30/05/2016
8.15-8.45AM	-Prayer -Address by the Director-Principal -Program overview and Pre-test	
8:45-9:45AM	How to search for a topic Feasibility	Dr. Reba Kanungo
9:45-10:45 AM	Literature Search	Dr. Sheela Kuruvilla and Dr. Satyaki
10:45 -11:00 AM	Tea	
11:00-12:00 PM	Title and Introduction	Dr. Sandhya Bhat
12:00 -1:00PM	Objectives	Dr. Aneesh Basheer
1:00-2:00PM	Lunch	
2:00-3:00PM	Methodology	Dr. Aneesh Basheer
3:00-4:00PM	Referencing	Dr Lopamudra Ray
		Day 2-31/05/2016
8:30-9:30AM	Research Ethics	Dr. Susan Solomon
9:30-10:30 AM	Participant Information Consent Form	Dr. Sheela Devi
10:30 -11:00 AM	Tea	
11:00-12:00 PM	Protocol Format	Dr. Reba Kanungo
12:00 -1:00Pm	Open house and Post test	

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#### **Tentative Schedule for the Research Methodology II**

### Day 1:06-06 -2016

Time	Topic	Facilitator
9 am to 10 .30 am	Basics of biostatistics ( Problem based health care research)	Dr. Ravichandran
10:30 am-10:45am	Tea break	
10:45am -1:00pm	Study Design and Sample size calculation based on Research question / hypothesis and Group activity	Dr. Kurien Thomas (Interactive session)
1:00pm-2:00pm	Lunch break	***************************************
2:00pm-4:00pm	Study Design and Sample size calculation based on Research question / hypothesiscontdand interaction with PGs	Dr. Kurien Thomas (Interactive session)

#### Day 2:07-06 -2016

Time	Topic	Facilitator
9 am to 1:00 am (with tea break in	Exposure to Free Online research methodology courses	Dr. Anil J Purty
between 10:30 am-	Introduction to the CReATE software	
10:45am)	Introduction to CITI online Free versions	

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#### **PROGRAMME SCHEDULE**

# PONDICHERRY INSTITUTE OF MEDICAL SCIENCES (A UNIT OF MADRAS MEDICAL MISSION)

# FOR PG STUDENTS – BATCH 2017

DATE: 23<sup>rd</sup> & 24<sup>th</sup> August 2017

Time: 9.00 - 4.00 pm

Venue: MEU seminar hall

Time		23 /08/2017
9:00-9:15 AM	Program overview and Pre-test	Dr. Reba Kanungo, Dr Sandhya
9:15-10:00AM	Literature Search	Dr.Sheela Kuruvila, Dr. Satyaki Ganguly
10:00-10:15 AM	Tea	
10:15 -11:15 AM	Title and Introduction (hands on)	Dr. Sandhya Bhat
11:15-12:00 PM	Objectives of the study (hands on)	Dr. Reba Kanungo
12:00 -1:00 PM	Feasibility(hands on)	Dr. Reba Kanungo
1:00-2:00 PM	Lunch	
2:00-3:00 PM	Methodology (hands on)	Dr. Aneesh Basheer
3:00-4:00 PM	Referencing (hands on)	Dr Parthasarathy
		24/08/2017
9:00-10:00 AM	Ethics in medical research- case studies	Dr. Susan Solomon
10:00-10:15 AM	Tea	
10:15-11:15 AM	Participant information sheet, Consent form (hands on)	Dr. Manjiri Phansalkar
11:15 -12:15 AM	How to write a research protocol (Group task - filling up the individual research protocol)	Dr. Sheela Devi C
12:15 -1:00PM	Open house and Post test	

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## RESEARCH METHODOLOGY WORKSHOP FOR PG STUDENTS – BATCH 2018

DATE: 10th to 12th July 2018

Time: 8.30 am- 4.30 pm

Venue: Central Library 4th floor (PG section)

#### PROGRAMME SCHEDULE

DAY/DATE	TIME	TOPIC	RESOURCE PERSON
Day 1	9.00- 1.00pm	Literature search (hands on)- with tea-break in between	Dr. Preetam Mahajan and Team
10th July	1.00-2.00pm	Lunch b	reak
(Tuesday)	2.00-4.00pm	Referencing software training	Dr. Preetam Mahajan and Team
Day 2	9.00- 12.00 noon	Study design and Types of Studies	Dr Kurien Thomas
11th July (Wednesday)	12.00 – 1.00 pm	How to write a brief Review of literature (Group task)	Dr. Manjiri
	1.00-2.00pm	Lunch break	
	2.00-4.00pm	Sample size calculation (Group task)	Dr Ravichandran
Day 3	9.00-1.00pm	Developing questionnaire and Case report form (Group task)	Dr. Preetam Mahajan and Team
12th July	1.00-2.00pm	Lunch break	
(Thursday)	2.00-4.00pm	Epi-collect data entry -Hands on training	Dr. Preetam Mahajan and Team
	4.00-4.15pm	Assessment & Feed back	

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## RESEARCH METHODOLOGY WORKSHOP FOR PG STUDENTS - BATCH 2018

DATE: 18 h to 20 th July 2018

Time: 8.30 am- 4.30 pm

Venue: Central Library 4th floor (PG section)

#### **PROGRAMME SCHEDULE**

DAY/DATE	TIME	TOPIC	RESOURCE PERSON
Day 1	9.00- 1.00pm	Literature search (hands on)- with tea-break in between	Dr. Preetam Mahajan and Team
18th July	1.00-2.00pm	Lunch b	reak
(ruesday)	2.00-4.00pm	Referencing software training	Dr. Preetam Mahajan and Team
Day 2	9.00-12.00 noon	Study design and Types of Studies	Dr Kurien Thomas
19.th July (Wednesday)	12.00 - 1.00 pm	How to write a brief Review of literature (Group task)	Dr. Manjiri
Section 1997	1.00-2.00pm	Lunch break	
v ram	2,00-4.00pm	Sample size calculation (Group task)	Dr Ravichandran
Day 3 20th July (Thursday)	9.00-1.00pm	Developing questionnaire and Case report form (Group task)	Dr. Preetam Mahajan and Team
	1.00-2.00pm	Lunch break	
	2.00-4.00pm	Epi-collect data entry -Hands on training	Dr. Preetam Mahajan and Team
	4.00-4.15pm	Assessment & Feed back	

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### RESEARCH METHODOLOGY WORKSHOP FOR **PG STUDENTS - BATCH 2018**

DATE: 28th & 29th June 2018

Time: 8.30 am- 4.30 pm

Venue: Central Library, 4th floor (PG section)

#### PROGRAMME SCHEDULE

DAY/DATE	TIME	TOPIC	RESOURCE PERSON
	8.30 - 9.00 am	Program overview	Dr. Reba Kanungo
	9.00- 10.00am	Feasibility (Factors you need to know when you plan a study)-Group task	Dr. Reba Kanungo
Day 1	10.00-10.15am	Tea break	
Day 1	10.15-11.00am	Literature Search	Dr Sheela Kuruvila
28th June	11.00- 11.30 am	Title and Introduction	Dr Sandhya Bhat
(Thursday)	11.30 - 1.00 pm	Research Question & Hypothesis	Dr Kurien Thomas
	1.00-2.00pm	Lunch break	
	2.00-3.00pm	Framing Objectives (Group task)	Dr Sheela devi
	3.00-3.30pm	How to write a brief Review of literature	Dr. Manjiri
Day 2	8.30- 12.00noon	Details of Research Methodology (with tea break)	Dr. Aneesh Basheer
29th June	12.00-1.00pm	Referencing	Dr Sheela Kuruvila
(Friday)	1.00-2.00pm	Lunch br	eak
	2.00-3.00pm	Research Ethics (Group task)	Dr.Rema Devi
	3.00-4.00pm	Participant Information and Consent Form	Dr Reba Kanungo
	4.00-4.30pm	Protocol Format (including assessment & feedback)	Dr Sheela devi

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## RESEARCH METHODOLOGY WORKSHOP FOR PG STUDENTS – BATCH 2019

DATE: 1st & 2nd July 2019

Time: 8.30 am- 4.30 pm

Venue: Central Library, 4th floor

PROGRAMME SCHEDULE

DAY/DATE	TIME	TOPIC	RESOURCE PERSON
David	8.30 – 9.00 am	Program overview	Dr. Reba Kanungo
	9.00-9.30 am	Pre-test	Dr. Sheela Devi
	9.30- 10.30am	Feasibility (Factors you need to know when you plan a study)- (Group task)	Dr. Reba Kanungo
	10.30-10.45am	Tea bro	eak
Day 1 1st July	10.45-11.45 noon	Literature Search (Group task)	Dr. Sheela Kuruvila / Dr.Parthasarathy
(Monday)	11.45 - 1.00 pm	Title and Introduction (Group task)	Dr. Susan Solomon
	1.00 – 2.00 pm	Lunch break	
	2.00- 3.00 pm	Research Question & Hypothesis (Group task)	Dr. Aneesh Basheer
	3.00- 4.00 pm	Framing Objectives (Group task)	Dr. Sheela devi
Day 2	8.30 – 10.00 am	How to write a brief review of literature (Group task)	Dr. Ranjan R V
2 <sup>nd</sup> July (Tuesday)	10.00 – 1.00 pm	Details of Research Methodology (Group task) (with tea break)	Dr. Aneesh Basheer
	1.00-2.00pm	Lunch break	
	2.00- 4.00 pm	Referencing (Group task)	Dr. Parthasarathy

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# RESEARCH METHODOLOGY WORKSHOP FOR PG STUDENTS – BATCH 2019

DATE: 10th to 12th July 2019

Time: 8.30 am- 4.30 pm

Venue: Central Library 4th floor

# PROGRAMME SCHEDULE

DAY/DATE	TIME	TOPIC	RESOURCE PERSON
Day 1	9.00- 1.00pm	Study design and Types of Studies	Dr. Kurien Thomas
	1.00-2.00pm	Lunch br	eak
10 <sup>th</sup> July (Wednesday)	2.00-4.00pm	Sample size calculation (Group task)	Dr. Ravichandran
	9.00- 12.00 noon	Developing questionnaire and Case report form (Group task)	Dr. Stalin
Day 2	12.00 – 1.00 pm	Data collection and entry -Hands on training	Dr. Manikandan
11th July	1.00-2.00pm	Lunch break	
(Thursday)	2.00 -3.00 pm	Research Ethics (Group task)	Dr.Rema Devi & Dr. Reba Kanungo
	3.00 -4.30 pm	Participant Information and Consent Form (Group task)	Dr.Rema Devi, Dr. Reba Kanungo & Dr. Manjula
Day 3 12 <sup>th</sup> July (Friday)	8.30 – 1.00 pm	1. Protocol Format Writing Dissertation Protocol (with tea break) 2. Post test & Feedback	Dr.Reba Kanungo Dr. Sheela Devi & Dr. Sheela Kuruvila

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## RESEARCH METHODOLOGY WORKSHOP (1st PHASE) FOR PG STUDENTS – BATCH 2020

DATE: 4th & 5th November 2020

Venue: PIMS Auditorium, Annex Building

Time: 8.30 am- 4.30 pm

#### PROGRAMME SCHEDULE

DAY/DATE	TIME	TOPIC	RESOURCE PERSON
	8.30 – 9.00 am	Program overview	Dr. Reba Kanungo
Day 1	9.00- 9.30 am	Pre -test	Dr. Sheela Devi
4th Nov	9.30- 11.30 am	Study design and Types of Studies (Tea Break- 10.00- 10.15 am)	Dr. Aneesh Basheer
(Wednesday)	11.30 am- 1.30 pm	Sample size calculation (Group task)	Dr. Ravichandran
	1.30 -2.30pm	Lunch break	
	2.30- 3.30 pm	Developing questionnaire and Case report form (Group task)	Dr. Stalin
	3.30 – 4.30 pm	Data collection and entry -Hands on training	Dr. Manikandan
Day 2	8.30- 9.30 am	Research Ethics (Group task)	Dr. Reba Kanungo
5 <sup>th</sup> Nov (Thursday)	9.30- 12.00 am	Participant Information and Consent Form (Group task) (Tea Break- 10.00- 10.15 am)	Dr.Rema Devi, Dr. Susan Solomon

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# RESEARCH METHODOLOGY WORKSHOP (2<sup>nd</sup> PHASE) FOR PG STUDENTS – BATCH 2020

DATE: 17th & 18th November 2020

Time: 8.30 am- 4.30 pm

Venue: PIMS Auditorium, Annex Building

#### PROGRAMME SCHEDULE

DAY/DATE	TIME	TOPIC	RESOURCE PERSON
	8.30 – 9.30 am	Feasibility (Factors you need to know when you plan a study)- Group task	Dr. Reba Kanungo
	9.30- 10.45 am	Literature Search (Group task)	Dr. Sheela Kuruvila / Dr. Parthasarathy
Day 1	10.45-11.00 am	Tea brea	ak
17th Nov	11.00-12.00 noon	Title and Introduction (Group task)	Dr .Susan Solomon
(Tuesday)	12.00- 1.00pm	Research Question & Hypothesis (Group task)	Dr. Aneesh Basheer
	1.00-2.00pm	Lunch break	
	2.00-3.00pm	Framing Objectives (Group task)	Dr. Sheela Devi
	3.00- 4.00 pm	How to write a brief Review of literature (Group task)	Dr. Sheela Kuruvila
Day 2 18 <sup>th</sup> Nov	8.30- 11.30 am	Details of Research Methodology (Group task) (Tea Break- 10.00- 10.15 am)	Dr. Aneesh Basheer
(Wednesday)	11.30- 1.30 pm	Referencing (Group task)	Dr. Parthasarathy
	1.30-2.30pm	Lunch bro	eak
	2.30-3.30 pm	Writing Dissertation Protocol in prescribed format	All faculty
	3.30- 4.00 pm	Post test & Feedback form	

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# RESEARCH METHODOLOGY WORKSHOP (1st PHASE) FOR PG STUDENTS – BATCH 2020

DATE: 4th & 5th November 2020

Venue: PIMS Auditorium, Annex Building

Time: 8.30 am- 4.30 pm

### PROGRAMME SCHEDULE

DAY/DATE	TIME	TOPIC	RESOURCE PERSON
DAIIDILL	8.30 – 9.00 am	Program overview	Dr. Reba Kanungo
Day 1	9.00- 9.30 am	Pre -test	Dr. Sheela Devi
4th Nov	9.30- 11.30 am	Study design and Types of Studies (Tea Break- 10.00- 10.15 am)	Dr. Aneesh Basheer
(Wednesday)	11.30 am- 1.30 pm	Sample size calculation (Group task)	Dr. Ravichandran
	1.30 -2.30pm	Lunch break	
	2.30- 3.30 pm	Developing questionnaire and Case report form (Group task)	Dr. Stalin
	3.30 – 4.30 pm	Data collection and entry –Hands on training	Dr. Manikandan
Day 2	8.30- 9.30 am	Research Ethics (Group task)	Dr. Reba Kanungo
5 <sup>th</sup> Nov (Thursday)	9.30- 12.00 am	Participant Information and Consent Form (Group task) (Tea Break- 10.00- 10.15 am)	Dr. Rema Devi, Dr. Susan Solomon

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