



**JAWAHAR MEDICAL FOUNDATION'S
A.C.P.M. MEDICAL COLLEGE & HOSPITAL**

Email : deanacpm@gmail.com
acpmcdhule@gmail.com
website : www.jmfacpm.com

Sakri Road, Dhule - 424001 (Maharashtra)
Ph.No.: 02562 - 276317,18,19 Mob. 8686585839

Ref. no: comm. Med /2023

Date: 28/12/2023

783

**Department of Community Medicine
Basics of Biomedical Research and Good Clinical Practice (GCP)
Workshop for Post graduate students**



Subject: Workshop on Basics of Biomedical Research and Good Clinical Practice for post graduate students

Reference: Academic cell meeting held on 27.12.2023

All the post graduate students are informed to attend the Workshop on Basics of Biomedical Research and Good Clinical Practice from 9 to 11 January 2024.

Time: 2:00 PM to 4:00 PM

Venue: Community Medicine Demo Hall

Day 1: 9/01/2024

Sr No	Topic	Time	Faculty
1	Introduction to health research	2:00 to 2:20 PM	Dr Borde
2	Selecting a dissertation topic	2:20 to 2:40 PM	Dr Dravid
3	Formulating research question	2:40 to 3:00 PM	Dr Sonal
4	Literature review	3:00 to 3:30 PM	Dr Bhanupriya
5	Elements of protocol for research studies and how to prepare synopsis	3:30 to 4:00 PM	Dr Nitin Kulkarni

Day 2: 10/01/2024

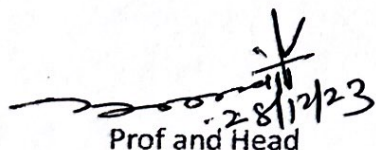
Sr No	Topic	Time	Faculty
1	Ethical consideration in biomedical research	2:00 to 2:20 PM	Dr Wadgaonkar
2	Types of study designs	2:20 to 2:40 PM	Dr Gindodiya
3	Designing data collection tool	2:40 to 3:00 PM	Dr A. W. Patil
4	Sample size and sampling	3:00 to 3:30 PM	Mr Sunil Patil
5	Study variables and data analysis	3:30 to 4:00 PM	Mr Sunil Patil

Day 3: 11/01/2024: Good Clinical Practice GCP

Sr No	Topic	Time	Faculty
1	Introduction	2:00 to 2:20 PM	Dr Borde
2	GCP training	2:20 PM onwards	Dr Bhanupriya

Important Instructions for post graduate students:

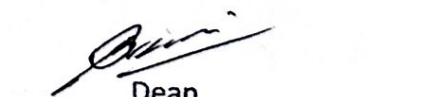
1. All the post graduate students are required to complete the GCP training as prescribed by MUHS, Nashik.
2. It is mandatory for all the first year post graduate students (JR1) to register for the three day workshop.
3. JR2 and JR3 who have not completed GCP training should register for the same.
4. JR2 and JR3 can voluntarily register for basics in research methodology workshop.
5. Registration fees:
 - a. For all JR1: Rs 1000/-
 - b. For only GCP: Rs 750/-
 - c. For only research methodology: Rs 500/-Kindly register and pay the fees to Dr Bhanupriya, Department of Community Medicine on or before 5th Januray 2024.
6. Students should carry their own laptop/ tablet PC for hands on training in literature review, sample size calculation, data analysis.


Prof and Head

Department of Community Medicine
PROFESSOR & H.O.D.

Copy to: Department of Community Medicine,
A.C.P.M. Medical College & Hospital, Dhule.

1. IQAC
2. Concerned Faculty
3. Clinical Research Laboratory
4. All Departments with post graduate students
5. Notice Board – Department , College, PG hostel


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ACPM Medical College, Dhule
A.C.P.M.MEDICAL COLLEGE
DHULE - 424001. [M.S.]



REF NO. - 32/PSM/24

Date- 24/11/24

**JMF'S ACPM Medical College/
Community Medicine Department
Basics of Research Methodology (09/01/2024 to 10/01/2024)
Program Report**

Title of Program	Basics of Research Methodology
Objective of Program	To teach the basics of research methodology to post graduate students of ACPM Medical College
Participant Type	Post graduate students of ACPM Medical College, Dhule
Date and Duration of Program	Date:09/01/2024 (Day1) From: 2.00 pm -5.00 pm Number of Hours (duration): 3hrs
Venue of the program/event	Community Medicine Demo Hall, ACPM Medical College, Dhule with MET unit
Program Organized by	Department of Community Medicine ACPM Medical College Dhule
Program in-charge	Dr. A.N. Borde
Name of Faculty	Dr. N. Kulkarni (Dean, ACPMMC Dhule) Dr. N.V. Dravid (Professor, Pathology , ACPM MC Dhule) Dr. A.N. Borde, (Prof and HOD, Community Medicine, ACPMMC Dhule) Dr. S. Wadgaonkar (Prof and HOD, Ophthalmology, ACPMMC Dhule) Dr. S. Deshpande (Assit. Prof, Community Medicine, ACPMMC Dhule) Dr. B. Pande (Assit. Prof, Community Medicine, ACPMMC Dhule) Mr. Sunil Patil (Lecturer cum statistician ACPMMC Dhule) Dr. A.W. Patil (Prof and HOD, Pharmacology, ACPMMC Dhule) Dr. Gindodiya (Prof and HOD, Surgery, ACPMMC Dhule)
Number of participants (attended program/event)	27
Brief about the Program	The program was inaugurated by Hon. Dean Dr. Nitin Kulkarni. The students submitted the pre-test forms before the sessions. He encouraged post graduate students to take up scientific and systematic research to contribute to the development of medicine as a whole. The prof. and HOD of Community medicine department, Dr. A.N. Borde taught participants about the scientific methods of research designs. The professor of pathology Dr. N.V. Dravid took session on selecting research topic and writing synopsis. The Prof and HOD Ophthalmology Dr. Surendra Wadgaonkar took session on Institutional ethics committee and its role in research. Dr. Sonal Deshpande and Dr. Bhanupriya Pande took hands on training on formulation of research question.

Program In-charge
Prof. and HOD
Dept. of Community Medicine
ACPM Medical College, Dhule

Professor & Head
Department of Community Medicine
ACPM Medical College & Hospital Dhule

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ACPM Medical College, Dhule

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Date- 24/01/2024

JMF'S ACPM Medical College
Community Medicine Department
Basics of Research Methodology (09/01/2024 to 10/01/2024)
Program Report

Title of Program	Basics of Research Methodology
Objective of Program	To teach the basics of research methodology to post graduate students of ACPM Medical College
Participant Type	Post graduate students of ACPM Medical College, Dhule
Date and Duration of Program	Date:10/01/2024 (Day2) From: 2.00 pm -5.00 pm Number of Hours (duration): 3hrs
Venue of the program/event	Community Medicine Demo Hall, ACPM Medical College, Dhule
Program Organized by	Community Medicine Demo Hall, ACPM Medical College, Dhule with MET unit
Program in-charge	Dr. A.N. Borde
Name of Faculty	Dr. N. Kulkarni (Dean, ACPMMC Dhule) Dr. N.V. Dravid (Professor, Pathology , ACPM MC Dhule) Dr. A.N. Borde, (Prof and HOD, Community Medicine, ACPMMC Dhule) Dr. S. Wadgaonkar (Prof and HOD, Ophthalmology, ACPMMC Dhule) Dr. S. Deshpande (Assit. Prof, Community Medicine, ACPMMC Dhule) Dr. B. Pande (Assit. Prof, Community Medicine, ACPMMC Dhule) Mr. Sunil Patil (Lecturer cum statistician ACPMMC Dhule) Dr. A.W. Patil (Prof and HOD, Pharmacology, ACPMMC Dhule) Dr. Gindodiya (Prof and HOD, Surgery, ACPMMC Dhule)
Number of participants	27
Brief about the Program	On the second day of Basics of Research methodology workshop sessions were taken on literature search and critical review for research. Dr. Bhanupriya Pande and Dr. Sonal Pande took the hands on training for review of literature, utilizing search engine, methods of citation. Further session was taken on formulation of aims and objectives of the research by Dr. Sonal Deshpande. Mr. Sunil Patil addressed the statistical approach while taking up the research. He took session on calculation of sample size and statistical analysis. The program was concluded after the submission of post test and feedback forms by the participants.

23/1/24
Program In-charge
Prof. and HOD
Dept. of Community Medicine
ACPM Medical College, Dhule

Professor & Head
Department of Community Medicine
ACPM Medical College & Hospital Dhule

24/1/24
Dean
ACPM Medical College, Dhule

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ACPM Medical College &
Hospital Dhule



REF NO. - 32/PSM/24

Date- 24/01/24

**JMF'S ACPM Medical College
Community Medicine Department
Good Clinical Practice (11/01/2024)
Program Report**

Title of Program	Good Clinical Practice
Objective of Program	To teach the essence of Good clinical practice to post graduate students of ACPM Medical College
Participant Type	Post graduate students of ACPM Medical College, Dhule
Date and Duration of Program	Date: 11/01/2024 (Day 1) From: 2.00 pm - 5.00 pm Number of Hours (duration): 3 hrs
Venue of the program/event	Community Medicine Demo Hall, ACPM Medical College, Dhule
Program Organized by	Community Medicine Demo Hall, ACPM Medical College, Dhule with MET unit
Program in-charge	Dr. A.N. Borde, (Prof and HOD, Community Medicine, ACPMMC Dhule)
Name of Faculty	Dr. N. Kulkarni (Dean, ACPMMC Dhule) Dr. A.N. Borde, (Prof and HOD, Community Medicine, ACPMMC Dhule) Dr. B. Pande (Assit. Prof, Community Medicine, ACPMMC Dhule) Dr. Sachin Dwivedi (Assistant Professor, Nursing medical College, AIIMS Rishikesh)
Session observer	Dr. Lakshmi Shastry (Healthcare consultant, Faculty Apollomedskills, Bangalore) Dr. Manish Malhotra (Director, Forensic Science Laboratories, Bhopal)
Number of participants	24
Brief about the Program	The program was inaugurated by Professor and Head of Community Medicine Department Dr. A.N. Borde. The participants submitted the pre test forms before the sessions. He encouraged post graduate students to take up ethical practices in research. Dr. A.N. Borde taught participants about the scientific methods of research designs, preparation of research protocols. Dr. Bhanupriya Pande took sessions on research misconduct, privacy and confidentiality. Dr. Sachin Dwivedi took session on principle of ethics and institutional review boards. The program concluded successfully with post test and feedback form submission

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ACPM Medical College, Dhule

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GPS Map Camera

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Lat 20.899617°
Long 74.72255°
09/01/24 03:50 PM GMT +05:30

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Inauguration by Health research Dr.A.N.Borde, Dr.Dravid, Dr.Sonal Deshpande & Dr. Bhanupriya Pande



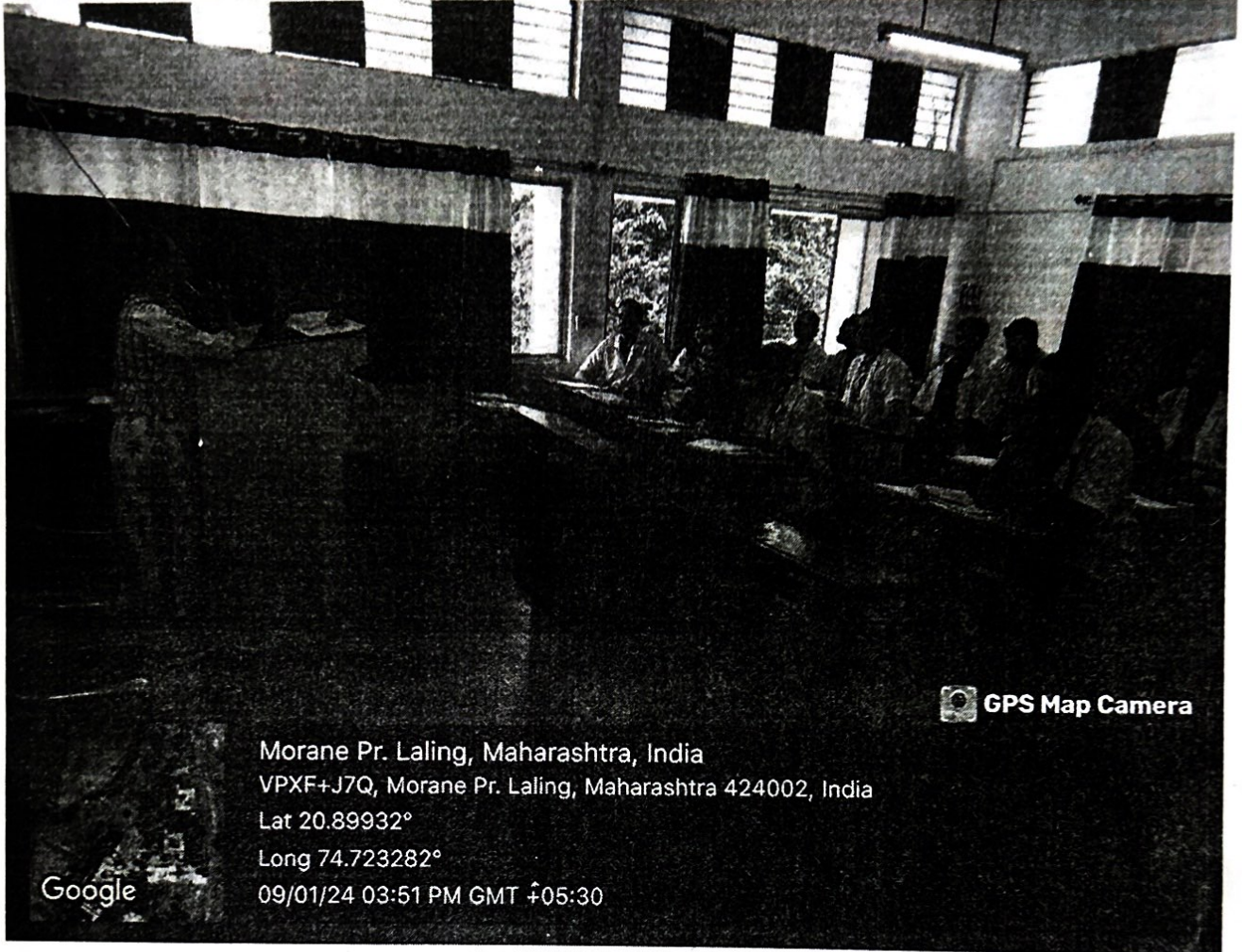
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Dr sonal Deshpande Addressing the PG Students



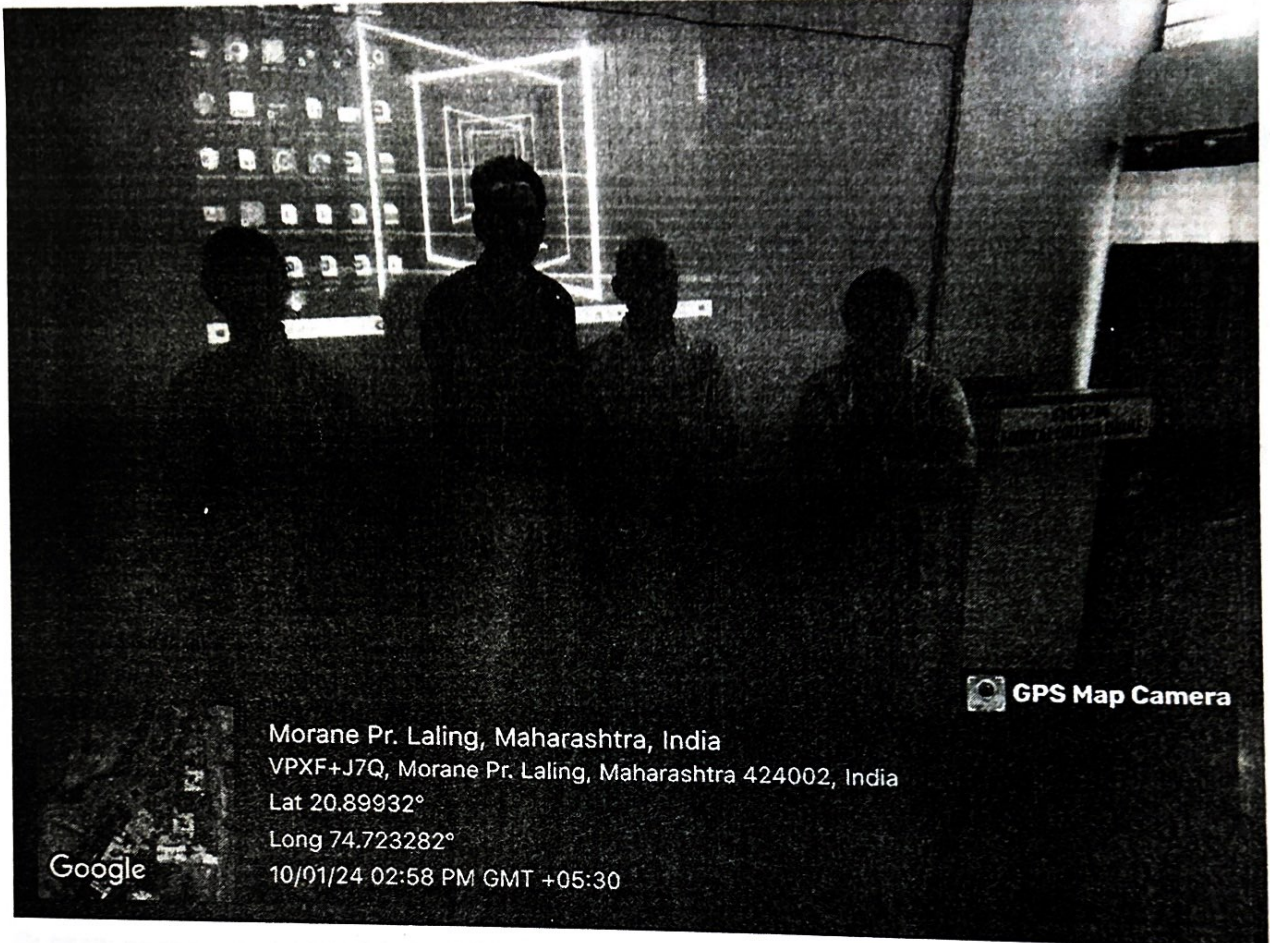
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Professor & Head
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Dr.wadgavkar, Dr.borde ,Dr.sonal Deshpande ,Dr.Bhanupriya pande Addressing the PG Students



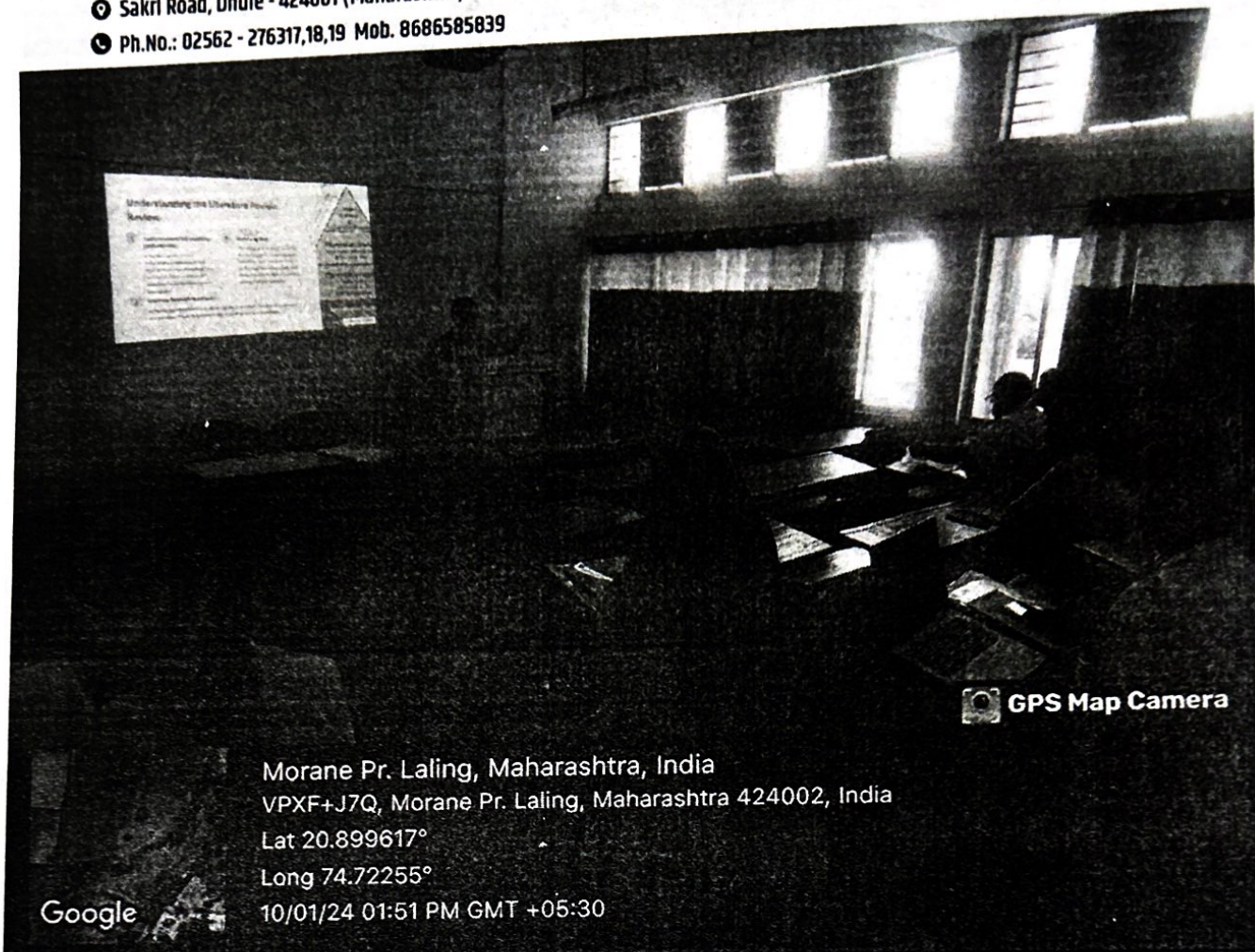
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Google

Dr.bhanupriya pande Addressing the PG Students



Bhanupriya Pande
Professor & Head
Department of Community Medicine
ACPM Medical College & Hospital Dhule

JMF'S ACPM MEDICAL COLLEGE, DHULE
DEPARTMENT OF COMMUNITY MEDICINE
BASICS IN RESERCH METHODOLOGY WORKSHOP
Attendance



Sr No	Name	Department	Designation	Sign 09/01/24	Sign 10/01/24
1	Dr Sadiya Syed	Skin & VD	JR1	<i>[Signature]</i>	<i>[Signature]</i>
2	Dr Rebecca Bardeskar	Skin & VD	JR1	<i>[Signature]</i>	<i>[Signature]</i>
3	Dr Shruti Nerkar	Skin & VD	JR1	<i>[Signature]</i>	<i>[Signature]</i>
4	Dr Ketaki Shende	Pathology	JR1	<i>[Signature]</i>	<i>[Signature]</i>
5	Dr Padmanabh Malange MULAY	Ortho	JR1	<i>[Signature]</i>	<i>[Signature]</i>
6	Dr Aman Madke	Ortho	JR1	<i>[Signature]</i>	<i>[Signature]</i>
7	Dr Sheeya Saoji	Pathology	JR1	<i>[Signature]</i>	<i>[Signature]</i>
8	Dr Savni Dole	Ophthal	JR1	<i>[Signature]</i>	<i>[Signature]</i>
9	Dr Amandeep Sangha	Medicine	JR1	<i>[Signature]</i>	<i>[Signature]</i>
10	Dr Shubham Hekare	Pathology	JR2	<i>[Signature]</i>	<i>[Signature]</i>
11	Dr Utkarsha Deshmukh	Medicine	JR1	<i>[Signature]</i>	<i>[Signature]</i>
12	Dr Itesh Chavan	Medicine	JR1	<i>[Signature]</i>	<i>[Signature]</i>
13	Dr Tejaswini Chavan JADHAV	Medicine	JR1	<i>[Signature]</i>	<i>[Signature]</i>
14	Dr Deven Kothari	Medicine	JR1	<i>[Signature]</i>	<i>[Signature]</i>
15	Dr Girish Somnath More	Medicine	JR1	<i>[Signature]</i>	<i>[Signature]</i>
16	Dr Abhishek Suryawanshi	Medicine	JR1	<i>[Signature]</i>	<i>[Signature]</i>
17	Dr Parag Malpani	Medicine	JR1	<i>[Signature]</i>	<i>[Signature]</i>
18	Dr Nikhil Pawar	Medicine	JR1	<i>[Signature]</i>	<i>[Signature]</i>
19	Dr Setu Jaiswal	Medicine	JR1	<i>[Signature]</i>	<i>[Signature]</i>
20	Dr Abhishek Goenka	Ophthal	JR1	<i>[Signature]</i>	<i>[Signature]</i>
21	Dr Sayali Buwa	Ophthal	JR1		
22	Dr Suryaprakash Srivastava	Ortho	JR1		
23	Dr Rajkumar Rathod	Ortho	JR1		
24	Dr Ansari Mohammad Mustafa Mohammad Aslam	Ortho	JR1		
25	Anushka Pawar	OBGYN	JR1	<i>[Signature]</i>	<i>[Signature]</i>
26	Prachi Saner	OBGYN	JR1	<i>[Signature]</i>	<i>[Signature]</i>
27	Tanvi Punj	OBGYN	JR1	<i>[Signature]</i>	<i>[Signature]</i>
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Professor & Head
Department of Community Medicine
ACPM Medical College & Hospital Dhule

JMF'S ACPM Medical College, Dhule
Department Of Community Medicine
Good Clinical Practice Attendance tracking

Date - 11/01/2024

Venue: Community medicine Demo Hall

Time-2.00 pm to 4.00 pm

Sr No	Name	Department	Introduction to GCP	Principles of ICH GCP- Sponsor, Investigator and Ethics Committee	Essential Document- Informed Consent, Protocol and Investigator's Brochure	SAE Reporting, Audit & Inspection	Consequences of GCP non-compliance	GCP Guidelines for Medical Devices and interventional new drug	New rules and regulations, case studies
1	Dr Sadiya Syed	Skin & VD	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
2	Dr Rebecca Bardskar	Skin & VD	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
3	Dr Shruti Nerkar	Skin & VD	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
4	Dr Ketaki Shende	Pathology	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
5	Dr Padmanabh Muley	Orthopedics	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
6	Dr Aman Madke	Orthopedics	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
7	Dr Sheeya Saoji	Pathology	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
8	Dr Savni Dole	Ophthalmology	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
9	Dr Amandeep Saingha	Medicine	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
10	Dr Shubham Hekare	Pathology	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
11	Dr Utkarsha Deshmukh	Medicine	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
12	Dr Itesh Chavan	Medicine	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
13	Dr Tejaswini Jadhav	Medicine	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
14	Dr Deven Kothari	Medicine	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
15	Dr Girish Somnath More	Medicine	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>



Department of Community Medicine
 JMF's ACPM Medical College & Hospital, Dhule

16	Dr Abhishek Suryawanshi	Medicine	Aus	Aus	Aus	Aus	Aus	Aus
17	Dr Parag Malpani	Medicine	Roan	Roan	Roan	Roan	Roan	Roan
18	Dr Nikhil Pawar	Medicine	Dehwar	Dehwar	Dehwar	Dehwar	Dehwar	Dehwar
19	Dr Setu Jaiswal	Medicine	Setu	Setu	Setu	Setu	Setu	Setu
20	Dr Abhishek Goenka	Ophthalmology	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek
21	Dr Sayali Buwa	Ophthalmology						
22	Dr Suryaprakash Srivastava	Orthopedics	Suraj	Suraj	Suraj	Suraj	Suraj	Suraj
23	Dr Rajkumar Rathod	Orthopedics	Rathod	Rathod	Rathod	Rathod	Rathod	Rathod
24	Dr Ansari Mohammad Mustafa Mohammad Aslam	Orthopedics	Ansari	Ansari	Ansari	Ansari	Ansari	Ansari

Dr. Bhanupriya Pande
Program co-ordinator
Assistant Professor
Community Medicine

Dr. A.N. Borde
Program Incharge
Proff and Head
Community Medicine

Dean
ACPMMC Dhule



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Department of Community Medicine
Professor & Head
ACPM Medical College & Hospital Dhule

JMF'S ACPM Medical College, Dhule
Department Of Community Medicine
Good Clinical Practice Attendance tracking
 Venue- Community medicine Demo Hall

Date -11/01/2024

Sr No	Name	Department	Introduction to GCP	Principles of ICH GCP- Sponsor, Investigator and Ethics Committee	Essential Documents- Informed Consent, Protocol and Investigator's Brochure	SAE Reporting, Audit & Inspection	Consequences of GCP non-compliance	GCP Guidelines for Medical Devices and new drug	New rules and regulations, case studies
1	Dr Sadiya Syed	Skin & VD	25 days	25 days	25 days	25 days	25 days	25 days	25 days
2	Dr Rebecca Bardeskar	Skin & VD	25 days	25 days	25 days	25 days	25 days	25 days	25 days
3	Dr Shruti Nerkar	Skin & VD	25 days	25 days	25 days	25 days	25 days	25 days	25 days
4	Dr Ketaki Shende	Pathology	25 days	25 days	25 days	25 days	25 days	25 days	25 days
5	Dr Padmanabhi Mulley	Orthopedics	25 days	25 days	25 days	25 days	25 days	25 days	25 days
6	Dr Aman Madke	Orthopedics	25 days	25 days	25 days	25 days	25 days	25 days	25 days
7	Dr Sheeya Saoji	Pathology	25 days	25 days	25 days	25 days	25 days	25 days	25 days
8	Dr Savni Dole	Ophthalmology	25 days	25 days	25 days	25 days	25 days	25 days	25 days
9	Dr Amandeep Sangha	Medicine	25 days	25 days	25 days	25 days	25 days	25 days	25 days
10	Dr Shubham Hekare	Pathology	25 days	25 days	25 days	25 days	25 days	25 days	25 days
11	Dr Utkarsha Deshmukh	Medicine	25 days	25 days	25 days	25 days	25 days	25 days	25 days
12	Dr Itesh Chavan	Medicine	25 days	25 days	25 days	25 days	25 days	25 days	25 days
13	Dr Tejaswini Jadhav	Medicine	25 days	25 days	25 days	25 days	25 days	25 days	25 days
14	Dr Deven Kothari	Medicine	25 days	25 days	25 days	25 days	25 days	25 days	25 days
15	Dr Girish Sornath More	Medicine	25 days	25 days	25 days	25 days	25 days	25 days	25 days



(Signature)
 Professor & Head
 Department of Community Medicine
 ACPM Medical College & Hospital Dhule

16	Dr Abhishek Suryawanshi	Medicine	Ans	Ans	Ans	Ans	Ans
17	Dr Parag Malpani	Medicine	Ans	Ans	Ans	Ans	Ans
18	Dr Nikhil Pawar	Medicine	Ans	Ans	Ans	Ans	Ans
19	Dr Setu Jaiswal	Medicine	Ans	Ans	Ans	Ans	Ans
20	Dr Abhishek Goenka	Ophthalmology	Ans	Ans	Ans	Ans	Ans
21	Dr Sayali Buwa	Ophthalmology	Ans	Ans	Ans	Ans	Ans
22	Dr Suryaprakash Srivastava	Orthopedics	Ans	Ans	Ans	Ans	Ans
23	Dr Rajkumar Rathod	Orthopedics	Ans	Ans	Ans	Ans	Ans
24	Dr Ansari Mohammad Mustafa Mohammad Aslam	Orthopedics	Ans	Ans	Ans	Ans	Ans

Dr. Bhanupriya Pande
Program co-ordinator
Assistant Professor
Community Medicine

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Basics in Biomedical Research: 9 to 11 January 2024
Pre-test

Name: _____

Time: 10 min

Instruction: Tick the correct option

Q.1) Before initiating a study involving primary data collection, the Principal Investigator must ensure that various approvals are obtained. Which of the following approvals is absolutely mandatory?

- a) Scientific committee approval
- b) Ethics committee approval
- c) Technical committee approval
- d) Regulatory authority approval

Q.2) Which of the following is not a type of study design?

- a) Qualitative study
- b) Cross-sectional study
- c) Retrospective study
- d) Pilot study

Q.3) Which of the following will best describe the scientific inquiry that seeks to understand the acceptability and functionality of a health program?

- a) Basic science research
- b) Translational research
- c) Clinical research
- d) Implementation research

Q.4) Which of the following verbs is preferably used in the statement of objectives of an analytical research study?

- a) Estimate
- b) Determine
- c) Study
- d) Describe

Q.5) All the following are components of 'FINER' criteria for a research question EXCEPT

- a) Feasible
- b) Reliable
- c) Novel
- d) Ethical

Q.6) The process of scanning the literature efficiently using manual or computerized methods to identify a set of potentially useful articles and books is called as

- a) Information seeking
- b) Critical appraisal
- c) Database management
- d) Information retrieval

Q.7) Cross-sectional studies are used to

- a) Estimate prevalence
- b) Generate hypotheses
- c) Describe trends
- d) All of the above

Q.8) A researcher can assess the following by conducting a descriptive study EXCEPT

- a) Population in which the disease was prevalent
- b) Period in which the disease occurred
- c) Risk factors of the disease
- d) Place distribution of the disease

Q.9) Exposure is not assigned by the investigator in the following study design

- a) Cohort
- b) Case-control
- c) Cross-sectional
- d) All of the above

Q.10) In a study on hypertension, patients are categorized based on their systolic blood pressure as normal, pre-hypertension, stage 1 hypertension and stage 2 hypertension. What type of variable is this?

- a) Qualitative
- b) Descriptive
- c) Nominal
- d) Ordinal

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Q.11) Pubmed is a

- a) Database b) Search engine c) Journal d) Digital library

Q.12) Based on the number of cigarettes per day, a researcher divides the population into three risk groups for lung cancer (low, moderate, high risk). If the researcher then draws a random sample from each of these risk groups independently, s/he has created a _____ sample

- a) Systematic b) Simple random c) Stratified d) Snowball

Q.13) Which of the following is necessary in sample size determination?

- a) Desired confidence level b) Desired precision
c) Magnitude of the population variance d) All of the above

14) A researcher found an inference about a particular disease of interest. If he/she wants to generalize the results, it is important to have

- a) Internal validity b) External validity c) Feasibility d) Accuracy

Q.15) "SMART" objectives is all except

- a) Specific b) Measurable c) Achievable d) Tentative

Q.16) The interviewer does not provide options for responses in

- a) Open-ended questions b) Close-ended questions
c) Semi-open questions d) All of the above

Q.17) IMRDC format is used to write

- a) Synopsis b) Abstract c) Both d) None

Q.18) "Epi-Info" is a software that can be used to create data collection instrument format

- a) True b) False

Q.19) "Do no harm" concept was emphasized in which of the following ethical principles?

- a) Justice b) Autonomy c) Beneficence d) Non-Maleficence

20) In an observational study on menstrual hygiene among school going girls aged 14 to 16 years, which types of consent will be required to be taken?

- a) Informed Consent from the girls
b) Informed Consent from the girls and Institutional Head
c) Informed assent from girls and consent from the parents
d) Informed assent from girls and Informed Consent from Institutional Head