



MGM INSTITUTE OF HEALTH SCIENCES

(Deemed University u/s 3 of UGC Act, 1956)

Grade 'A' Accredited by NAAC

Sector-01, Kamothe, Navi Mumbai - 410 209

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Value Added Course

RESEARCH METHODOLOGY



Dr. Rajesh B. Goel
Registrar

MGM Institute of Health Sciences
(Deemed University u/s 3 of UGC Act, 1956)
Navi Mumbai- 410 209



Dr. Shashank D. Dalvi
Vice Chancellor

MGM Institute of Health Sciences
Navi Mumbai - 410209



Mahatma Gandhi Mission's
Medical College

Value Added Course

Research Methodology

ABOUT THE COURSE

The course aims at developing the scientific attitude from the very beginning i.e. from undergraduate level, so that it will formulate a base building strong foundation of research. It will enable the undergraduate student to apply the most appropriate methodology for their research studies. The course is structured in a way that it will clarify the theoretical concepts as well as student will learn the practical aspects. This course will concretize the fundamental concepts and analytic methods. It will include topics spanning from introduction to manuscript writing. Hands on training on data analysis will fully equip them to carry out quality research.

LEARNING OBJECTIVES

By the end of the course, the student should be able to:

- Frame a valid research question
- Search the literature and critically appraise it.
- Understand the study designs.
- Understand basic statistical concepts, data management and design basic analysis plan.
- Develop a research proposal.
- Understand ethical principles.
- Present their findings.

COURSE DESIGN AND DURATION

The course is designed as in-house course of 21 hours.

TEACHING METHODOLOGY

The course will be delivered through theoretical lectures as well as hands on training on web-based platform

COURSE DESIGNER

Dr. Deepak N. Tayade, Dr. Rajesh D. Kadam, Dr. Deepak S. Bhosle

COURSE MODULES

MODULE I: CONCEPTUALIZING A RESEARCH STUDY		
	Introduction	1 Hour
	Importance of UG Research	1 Hour
	Formulating Research Question and Hypothesis	1 Hour
MODULE II: LITERATURE REVIEW		
	Principals of Literature Search	1 Hour
	Searching Database (Hands on Sessions)	1 Hour
	Critical Appraisal	1 Hour
MODULE III: STUDY DESIGNS		
	Observational Study	1 Hour
	Interventional Study	1 Hour
	Decision Tree	1 Hour
MODULE IV: BIOSTATISTICAL CONSIDERATION		
	Measurement of Study Variables	1 Hour
	Sampling Methods	1 Hour
	Sample size Calculation	1 Hour
MODULE V: PLANNING RESEARCH STUDY		
	Data Collection Tools	1 Hour
	Data Analysis Plan	1 Hour
	Data Analysis Software (Hands on Sessions)	1 Hour
	Study Implementation Plan	1 Hour

MODULE VI: ETHICAL CONSIDERATIONS		
	Bioethics: Fundamental Principals	1 Hour
	Informed Consent	1 Hour
	Plagiarism	1 Hour
MODULE VII: WRITING RESEARCH PROTOCOL		
	ICMJE Guidelines	1 Hour
	Manuscript Writing	1 Hour

EVALUATION AND AWARD OF CERTIFICATE

Participants will be evaluated at the end of the course through a final online MCQ-based examination. Online certificate will be awarded only to the participants who successfully complete the course and clear all the course requirements.


CO-ORDINATING DEPARTMENTS:

- STUDENT WELFARE CELL
- DEPT. OF PHARMACOLOGY
- IQAC CELL



MGM Medical College, Aurangabad
VAC - Research Methodology
Students List - PG
Batch-2, July 21,28 2019

Sr.No.	Name of Students	M/F	Course Name
1	Dr.Anish Tamrakar	Male	MD.Paediatrics
2	Dr.Nihal Indramal Bapna	Male	MD.Gen.Medicine
3	Dr.Chavan Shriniwas Prakash	Male	MS.Orthopaedics
4	Dr.Kaddu Siddhant Jayaghosh	Male	MS.Gen.Surgery
5	Dr.Hembade Siddhi Ashok	Female	MD.Paediatrics
6	Dr.Nakul Nehal Patil	Male	MS.Gen.Surgery
7	Dr.Bhakti Chandekar	Female	MD.Pharmacology
8	Dr.Saraf Rishika Rajesh	Female	MD.Radiology
9	Dr.Soumya Prasanna Mishrikotkar	Female	MD.Pathology
10	Dr.Robin Varughese John	Male	MD.Respiratory Medicine
11	Dr.Kakani Saurabh Shivprasad	Male	MD.Radiology
12	Dr.Suryavanshi Indrajit Vithalrao	Male	MD.Gen.Medicine
13	Dr.Goiporia Mahafrin Homiar	Female	MD.Paediatrics
14	Dr. kapil Lalwani	Male	MS.Orthopaedics
15	Dr.Sapkal Rujuta Ranjeet	Female	MS.Ophthalmology
16	Dr.Srishti Agrawal	Female	MD.Paediatrics
17	Dr.Somya Verma	Female	MS.Gen.Surgery
18	Dr. Sanjeev Kumar	Male	MS.Gen.Surgery
19	Dr. Avani Dhigra	Female	MS.OBGY
20	Dr.Tummuri Alok	Male	MD.Paediatrics
21	Dr.Snehal Milind Sawle	Male	MD.Dermatology
22	Dr.Ahmad Jibrán Javed	Male	MS.Gen.Surgery
23	Dr.Agrawal Srushti Om	Male	MD.Pathology
			Total - 23 Students


Course Co-ordinator





Dean

MGM Medical College,
Aurangabad

DEAN
MGM'S MEDICAL COLLEGE
AURANGABAD



MGM Medical College, Aurangabad
VAC - Research Methodology
Students List - UG
Batch-1, December 7,14,21,28 2019

Sr. No.	Roll No	Name of Student	Class	Gender
1	17073	Khatwani Nikita Kamlesh	Second MBBS	F
2	18079	Atharva Ajay Mali	Second MBBS	M
3	17061	Kale Yugandhar Anil	Second MBBS	M
4	18143	Nikita Suresh Tayade	Second MBBS	F
5	17001	Aakash Kumar	Second MBBS	M
6	17020	Chandak Sudhanshu Pramod	Second MBBS	M
7	18100	Mustaqeem Abrar Pathan	Second MBBS	M
8	18075	Rucha Rajendra Lakhade	Second MBBS	F
9	17074	Kshirsagar Swarupa Vinay	Second MBBS	F
10	18144	Kritik Totla	Second MBBS	M
11	17052	Jain S. Yash	Second MBBS	M
12	17075	Kukade Sukrut Sanjay	Second MBBS	M
13	17026	Davhale Kalyani Radheshyam	Second MBBS	F
14	17032	Dhillon Manmeet Singh Kamaljeet Singh	Second MBBS	M
15	18078	Mahajan Mahesh Shriram	Second MBBS	M
16	17072	Khanal Swinal Rameshwar	Second MBBS	F
17	17086	Mohammad Hameed Ul Haq	Second MBBS	M
18	17125	Shaikh Shifa Sanobar Maqsood	Second MBBS	F
19	17136	Singhal Kritika	Second MBBS	F
20	17150	Zahid Hasan Mohd Zohaib	Second MBBS	M
21	17141	Tiwari Kaushlesh Birendra	Second MBBS	M
22	18001	Aarti	Second MBBS	F
23	18002	Nikit Agrawal	Second MBBS	M
24	17076	Kulkarni Varun Kumar	Second MBBS	M
25	18003	Kartikey Ravindra Ahire	Second MBBS	M
26	18101	Prachiti Dilip Pathrabe	Second MBBS	F
27	18073	Priti Kumari	Second MBBS	F
28	17106	Rane Nidhi Suhas	Second MBBS	F
29	18074	Lahane Aditya Pramod	Second MBBS	M
30	17107	Rathi Gopal Anil	Second MBBS	M
31	18004	Aisha Ahmed	Second MBBS	F
32	17060	Kale Ashwini Mahadev	Second MBBS	F
		Total - 32 Students		


Course Co-ordinator


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