



# Index MEDICAL COLLEGE, HOSPITAL & RESEARCH CENTRE, INDORE

(Unit of Mayank's Welfare Society)  
(Constituent Unit of Malwanchal University)

ACCREDITED BY NABH & NABL



NABL Certificate No. MC-3448  
NABH Certificate No. PEH-2019-0966

IMCHRC/VAC/2024/04

Date – 26<sup>th</sup> May, 2024

## CIRCULAR

We are pleased to announce that a Value added course on 'Research Methodology for Beginners' has been scheduled from 6<sup>th</sup> June to 8<sup>th</sup> June, 2024, in the Auditorium of Index Medical College, Hospital & Research Centre, Indore.

It is being organized by the faculty of IMCHRC, Malwanchal University to train the MBBS interns in basic research methods and analysis. These concepts will help the interns in their future course of studies and lay down a strong foundation for clinical research.

The course is free for all interns. Interested interns are requested to register for the course by 2<sup>nd</sup> June, 2024.

For registration contact, Dr. Nisha Singh, (Mob. 7828867633)

Dean

IMCHRC, Indore

CC

- The Chairman
- Vice Chairman
- Vice Dean
- Registrar – Malwanchal University
- All Administrators
- HODs of all Departments
- Notice Board – College notice board, Hostel – Boy's/ Girl's, PG Hostel

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# Malwanchal

# University

Index Medical College, Hospital & Research  
Centre, Indore

Research Methodology for Beginners

## About

The course has been planned to broaden the participant's knowledge on Research Methodology. It aims to give them applied knowledge and hands on training on various aspects of research. The course will throw light on the essential concepts of biomedical research.

• Resource persons: **Dr. V.K. Arora,**  
Professor, Community Medicine  
**Dr. Nisha Singh,** Assistant Professor,  
Community Medicine  
**Mr. Tejas Jadhav,** Statistician

Eligibility: MBBS Interns

Coordinator: **Dr. Nisha Singh**

Registration fee: **Rs. 0**

Dates: **6<sup>th</sup> June - 8<sup>th</sup> June, 2024**

Venue: **Auditorium-Medical College**

## Modules

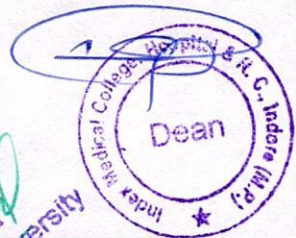
- Use & Scope of Biostatistics in Clinical/Biomedical research.
- Concepts of epidemiology used in research.
- Quantitative and qualitative data
- Uses of study methods and study designs in research

## Course Outcomes

At the end of the course, the participants will have learnt about

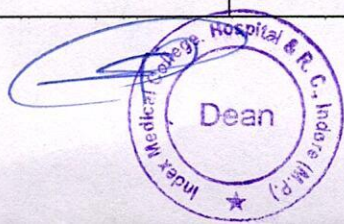
- How to frame a research question
- What are aims and objectives of research
- Useful techniques for formulating research studies
- Basic methods of analysis using Biostatistics

*Tejas Jadhav*  
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**Time – Table**  
**Value Added Course**  
**Topic: Adolescent Health & Wellbeing**  
**For: M.B.B.S. Interns (2018-19Batch)**

<b>Day -1 : (06/04/2023) Thursday</b>		
<b>Title</b>	<b>Time</b>	<b>Speaker</b>
Introduction to Research Methodology	9:00 am – 10:00am	Dr. Nisha Singh
Basics of Research: Identifying Lacunae	10:00 am -11:00 am	Dr. V.K. Arora
<b>Tea</b>	11:00 am – 11:15 am	
Framing Research Question	11:15 am – 12:15 pm	Dr. Nisha Singh
Defining Aims and Objectives of Research	12:15 pm – 1:15 pm	Dr. V.K. Arora
<b>Lunch</b>	1:15 pm – 2:00 pm	
Group Activity: Frame an appropriate Research Question with Aims and Objectives	2:00 pm – 3:00 pm	Dr. Nisha Singh Dr. V.K.Arora
Presentation by interns	3:00 pm – 4:00 pm	
<b>Day -2 : (07/04/2023) Friday</b>		
Review of Literature	9:00 am – 10:00am	Dr. Nisha Singh
Epidemiological study designs	10:00 am -11:00 am	Dr. V.K.Arora
<b>Tea</b>	11:00 am – 11:15 am	
Use and scope of Biostatistics in Biomedical Research	11:15 am – 12:15 pm	Mr. Tejas Jadhav
Data and its types	12:15 pm – 1:15 pm	Mr. Tejas Jadhav
<b>Lunch</b>	1:15 pm – 2:00 pm	
Data collection tools	2:00 pm – 3:00 pm	Dr. Nisha Singh
Group activity: Framing the questionnaire	3:00 pm – 4:00 pm	Dr. Nisha Singh Dr. V.K.Arora
<b>Day -3 : (08/04/2023) Saturday</b>		
Concept of Validity and Reliability	9:00 am – 10:00am	Dr. Nisha Singh
Data entry tools and data cleaning	10:00 am -11:00 am	Mr. Tejas Jadhav
<b>Tea</b>	11:00 am – 11:15 am	
Data Analysis tools	11:15 am – 12:15 pm	Mr. Tejas Jadhav
Statistical tests of Significance	12:15 pm – 1:15 pm	Dr. V.K.Arora
<b>Lunch</b>	1:15 pm – 2:00 pm	
Feedback and Discussion	2:00 pm – 3:00 pm	Dr. V.K.Arora



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survey, formation of questionnaires, inter personal interviews etc. Students were also introduced to various methods of data analysis and interpretation and draw inferences using statistical packages like SPSS software and MS-Excel.

All these skills were taught to students with examples about Biostatistics and application of statistical techniques to scientific research in health related fields, including Medicine, Biology and Public Health and the development of new tools to study these areas.

Students were informed about importance of Bio statistics and its application and uses in medical research, students were also taught about various epidemiological study designs e.g. Cross-sectional, Case control, Observational and Cohort studies and how the role of causative factors is statistically tested.

At the end of the course, the participants will have learnt about:

- How to write a research question?
- What are aims and objectives of research?
- Useful techniques for formulating research studies.
- Basic methods of analysis using Biostatistics.

  
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**Department of Community Medicine**  
**Index Medical College, Indore**

Value Added Course on "Research Methodology for Beginners"

**Attendance Sheet**

Sr. No.	Name of Student	Date		
		06-06-2024	07-06-2024	08-06-2024
1	Aashi Khanna	P	P.	P
2	Abhijeet Chouhan	A	P	P.
3	Aditi Choudhary	P	P.	P.
4	Aditya Jain	<i>Aditya Jain</i>	<i>Aditya Jain</i>	P.
5	Ajay Gwale	A	A	A
6	Ajay Patidar	P	P	P.
7	Akanksha Singh	P	P.	P.
8	Akanksha Parmar	A	A	A
9	Akshay Solanki	A	A	A.
10	Akshima Sogani	P	P.	P.
11	Alka Patidar	P	P.	P.
12	Aman Gupta	P	P.	P.
13	Amisha Rawal	P	P.	P.
14	Amit Choudhary	P	P.	P.
15	Ananika	A	A	P.
16	Ananya Shrivastava	P	P	P.
17	Angel Mary Deniel	P	P	P.
18	Aniket Agrawal	A	A	P.
19	Anil Rathor	P	P.	P.
20	Anil Rawat	P	P	P.
21	Anita Hanotiya	A	A	A



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2	Kinjal Jain	P	A	A
3	Krishna Bundela	P	A	A
4	Kuldeep Singh Panwar	P	P	P
5	Kunal Rathore	P	A	P
6	Lakhan Patel	A	A	A
7	Lalit Gehlot	A	A	A
8	Leen Choudhary	P	A	A
9	Lokendra Agrawal	<del>P</del>	<del>P</del>	P
10	Madiha Afzal	P	A	P
11	Mahesh Kumar	P	A	A
12	Mahima Gupta	P	P	P
13	Mahima Sisodiya	P	P	P
14	Mahima Tiwari	P	<del>A</del> P	P
15	Mananya Singh	P	A	P
16	Rajat Gurjar	P	A	A
17	Manisha Bhanwar	P	P	P
18	Manmohan Verma	P	P	A
19	Medline Pritisha Tirkey	A	A	A
20	Megha Gupta	P	P	P
21	Meghal Chhabria	P	A	A
22	Mohmed Ismail	P	P	P
23	Mohammed Junaid Ansari	P	P	P
24	Mohammed Rahil Mansoori	P	A	A
25	Mohd Sameer	P	P	P
26	Mohmed Hussain Nursumar	P	P	A
27	Monika Lavevanshi	P	P	P
28	Muskan Jain	A	A	A
29	Muskan Uchchaware	A	A	A
30	Nabeel Shaikh	P	A	A
31	Naman Sahu	P	P	P



*J. K. K.*  
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22	Nandini Maheshwari	P	P	P	P
23	Nandkishor Das	P	P	P	P
24	Narveer Rathor	P	P	P	P
25	Neelam Mahajan	P	P	P	P
26	Neha Sahu	Neha	Neha	Neha	P
27	Nidhi Agrawal	P	P	P	A
28	Nikita Mishra	P	P	P	P
29	Nishika	Nishika	Nishika	Nishika	A
30	Nitin Koli	P	P	P	P

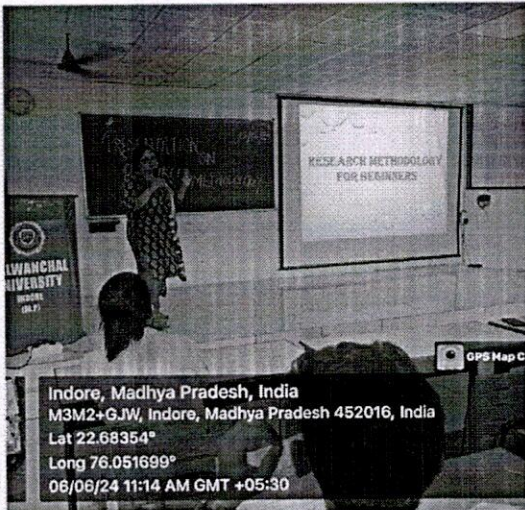
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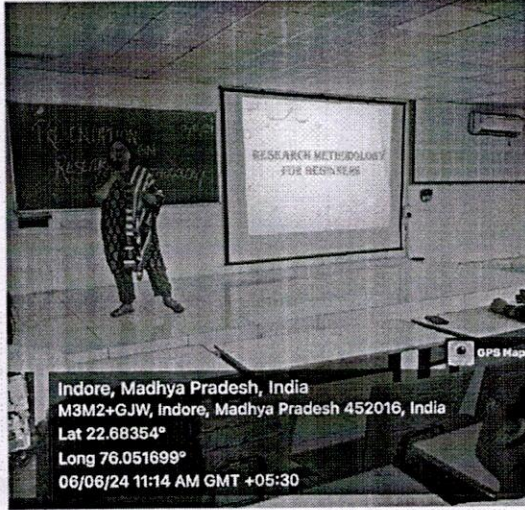




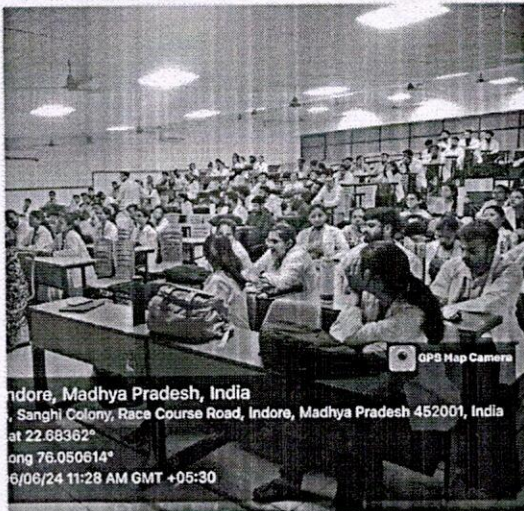
**Value Added Course**  
**Research Methodology for Beginners**  
**(Date: - 06<sup>th</sup> to 08<sup>th</sup> June 2024)**



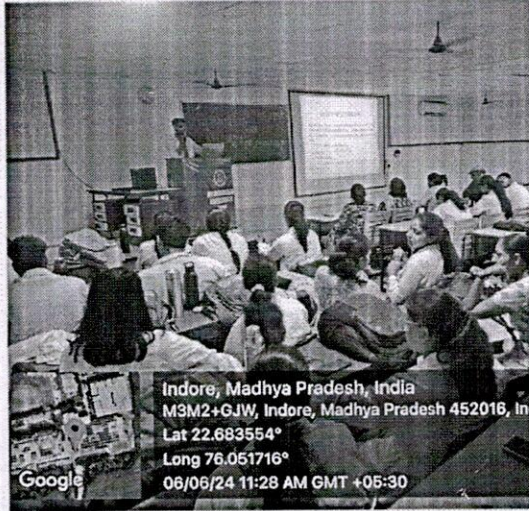
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*S. D. Khar*  
Registrar  
Maitwanchal University  
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