



MUHS

**Maharashtra University of Health Sciences**  
**Institute of Medical Education Technology and Teachers' Training**  
M A M's Sumatibhai Shah Ayurved Mahavidyalaya, Hadapsar, Pune 28

**Tentative Programme Schedule of Basic Workshop in**  
**Research Methodology**

**Workshop -6/5/2024 to 8/5/2024 Annexure 3**

Maximum number of participants: 50

DAY ONE-Monday 6/5/2024				
S. N	Topic	Method Lecture/GA/ Faculty	Minutes & Time From – To	
1	Registration, Breakfast and Pre –Test		30	9:00 am-10:00 am
2	L-1: Introduction to Research Methodology	Dr Supriya Bhalerao	45	10:00 am -10:45 am
3	L-2 : Study Designs-1: Experimental studies	Dr Supriya Bhalerao	45	10:45 am -11:30 am
4	Tea		15	11:30 am-11:45 am
5	L-3 : Study designs-2: Descriptive Studies	Dr.Pranita Joshi Deshmukh	45	11:45 am-12:30 pm
5	L-4 : Study Designs-3:Case control and Cohort	Dr.Pranita Joshi Deshmukh	45	12:30 pm-1:15 pm
6	Lunch		30	1:15 pm-1:45 pm
7	Group Activity-1: Participants will be divided into 4 -5 groups. <ul style="list-style-type: none"><li>Each group will discuss among itself and come out with at-least 2 research questions and related hypothesis</li><li>Indicate why the topic was selected by the group over other topic</li><li>Indicate the type of study with reasons thereof</li><li>Indicate dependent and independent variables included in the study</li></ul> (Tea may be served during group activity)	Dr Jyoti Gavali and Scientific Committee members	90	1:45 pm-3:15 pm
8	Tea will be served during the session		15	3:00 pm-3.15 pm
9	L-5: Types of Data and Data Presentation	Dr.Nitesh Joshi	75	3:15 pm-4:30 pm
10	L-6: Literature search	Dr. Jyoti Gavali	45	4:30 pm-5:15 pm

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**DAY TWO-Tuesday 7/5/2024**

S. N	Topic	Method	Minutes & Time From – To	
1	Breakfast & tea		30	8.30 am-9:00 am
2	Group Activity-2: Participants will divide into groups as was done for GA-1 and GA-2. Each group will try to search references related to topics finalized and discussed in GA-1 and GA-2	Dr Jyoti Gavali	45	9:00 am-9.30 am
3	L-7: Sampling: Methods & Sample size (Tea will be served in the session)	Mrs Jyoti Jawalkar	60	9.30 am-10.30 am
4	Group Activity-3: Participants will divide into Groups as in GA-1. Each group will discuss and present <input type="checkbox"/> Sampling method adopted for the study / studies selected in GA-1 <input type="checkbox"/> Discuss and present sample size determined for the study <input type="checkbox"/> Present at least 3 dummy tables generated (Tea shall be served during group activity)	Mrs Jyoti Jawalkar and Scientific Committee members	60	10.30 am-11.30 pm
5	L-8: Inferential Statistics	Mr Sagar Khandagale	60	11.30 pm-12.30 pm
6	Group Activity-4: The groups will discuss about the inferential statistics (statistical tests) to be applied for the study design discussed in earlier group exercises.	Mr Sagar Khandagale	30	12.30 pm-1.30 pm
7	Lunch		60	1:30 pm-2:30 pm
8	L-15: Computer assistance in Data Analysis Excel and EPI Info.	Mr Sagar Khandagale	60	2.30 pm-3.30 pm
9	L-9: Questionnaire Designing (TEA will be served during the session)	Dr.Kamlakar Gajare	60	3:30 pm-4:30 pm

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<b>DAY THREE-Wednesday 8/5/2024</b>				
S.N	Topic	Method	Minutes & From -To	
1	Breakfast & tea		30	9:00 am-9:30 am
2	L-11: Ethical Issues In Medical Research Groups will present ethical issues in their respective studies	Dr. Kalpana Ayare	75	9:30 am-10:45 am
3	L-10: Writing a research protocol	Dr. Kamalakar Gajare	60	4:30 pm -5:30 pm
4	TEA		15	10:45 am-11:00 am
5	L 12 Evaluation of a diagnostic test	Dr. Jyoti Gavali	60	11:00pm to 12:00pm
6	L-13: Critical Evaluation of Journal Article	Dr. Kalpana Ayare	45	12:00pm – 12:45pm
	Lunch		30	12:45pm to 1:15pm
7	GA-5: Two journal articles (different study designs) will be presented and discussed by members. (Tea shall be served during the group activity.)	Dr. Kalpana Ayare	30	1:15 pm –1:45 pm
8	L-14: Qualitative Research Methods	Dr. Jyoti Gavali	45	1:45 pm – 2:30pm
9	TEA		15	3:30 pm-3:45 pm
10	Post - Test and Valedictory		75	3:45pm – 5:00 pm

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NEFT FUNDS TRANSFER APPLICATION FORM

o/c

Date : 01/06/2024

To,  
 Manager,  
 Canara Bank,  
 Hadapsar, Pune,  
 Maharashtra, India

Applicant (Remitter) Details :	Particulars
Account Title	MAM's Sumatibhai Shah Ayurved Mahavidyalaya
Debit Account No.	0259101015007
Account Type	Saving Bank
Contact No.	020-29522505
Email ID	ssayu@rediffmail.com
<b>Beneficiary Details :</b>	
Beneficiary Name	Registrar Maharashtra University of Health Sciences ,Nashik
Credit Account No.	00641450000649
Centre [ Location]	Thatte Nagar Nashik
Bank	HDFC Bank
Branch	Thatte Nagar Nashik
Account Type	
IFSC Code	HDFC0000064
MICR No.	422240002
Contact No.	(0253) 6659303/288
Email ID	urd@muhs.ac.in
<b>Remittance Details :</b>	
Amount in Rs.	25000/-
Amount ( in word)	Twenty Five Thousand Only.
Remarks/ Narration	The amount is being remitted BRMW workshop 50 participants administrative charges to MUHS ,Nashik, for the period of 06 to 08 May 2024.

Please Remit the amount as per the aforesaid details,by debiting our account for the amount of remittance plus your charges.

We declare that we are authorized to request for the Canara bank NEFT facility & all the persons are authorized to operate the above mentioned accounts are also authorize,as per the present mode of operation, to present the NEFT fund transfer application Canara bank .

We undertake to keep Canara bank informed of any changes in the mode of operation above account

Yours Sincerly

Authorised signatry & seal  
 Applicant



M.A.M'S  
 Sumatibhai Shah Ayurved Mahavidyalaya

Principal      Jt. Secretary      Secretary

For Bank Use (NEFT transaction Details): P156240326767189  
 RBI Ref. Id :  
 Date :      Bank Authority signature & seal

04 JUN 2024

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Cheque No - 139014  
 Date - 01/06/24

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## REPORT OF BASIC RESEARCH METHODOLOGY WORKSHOP –

Dated- 6<sup>th</sup> May 2024 to 8<sup>th</sup> May 2024

MAMs Sumatibhai Shah Ayurveda Mahavidyalaya, Hadapsar, Malwadi, Pune

Approval reference – Ref No. MUHS/URD/253/2024 dated 30/04/2024

No. of Participants-50

All participants were PG 1<sup>st</sup> year students of Sumatibhai Shah Ayurveda Mahavidyalaya and a few students of other institutes and faculty of our institute.

DAY ONE- 06/05/2024

Registration of all the delegates was done

Pre –test was conducted.

Workshop inauguration was done at the hands of Dr Supriya Bhalerao.

Lecture 1- Introduction to Research methodology was conducted by Dr Supriya Bhalerao.

Lecture content-Different types of research, Hypothesis, Different topics of research.

Lecture 4- Study designs 3-Experimental studies- Dr Supriya Bhalerao conducted the lecture she covered topics like different levels of clinical trials, Steps of clinical trials, Designing of experimental study.

Lecture 2- conducted by Dr Pranita Joshi Deshmukh –Study Design 1-Descriptive studies-

She covered indications of Descriptive studies, Longitudinal, Cross sectional study, Hypothesis

Lecture 3- Study designs 2-Case control study- Dr Pranita Joshi-Deshmukh conducted the lecture she taught what is case control, Bias, Odds, Cohort study design, Retrospective studies

Group activity-Research question design- 5 groups were formed .Each group presented research question, hypothesis, and null hypothesis. Everyone discussed about these formed research questions. Was conducted by faculty from college Dr Jyoti Gavali, Dr Vidya Undale



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*Pr. Joshi*  
7/5/24

Lecture 5 – Types of data and data presentations- Dr Nitesh Joshi conducted this lecture. He explained about various tables,figures for data presentations.

Lecture 6-Literary Search- Dr Jyoti Gavali conducted this lecture. Pub-med and different websites were explained to students and method of search with Boolean characters was explained

Feedback forms were collected digitally from students.

DAY 2- 07/05/2024

Group activity 2-Searching references.

Group activity of literary search was conducted and directed by Dr Jyoti Gavali.

Students had brought laptops and mobiles with net facility for the activity.

Lecture 8-Inferential Statistics -conducted by Mr Sagar Khandagale.

He explained about different methods of statistical calculations and application of different tests for drawing inferences.

Gr activity 4-Gr activity conducted by facultiesDr Sagar Khandagale,Dr Jyoti Gavali,Mrs Jyoti Javalkar, Dr Vidya Undale.Students applied tests for their statistical data.discussed and presented their respective topics.

Lecture 15 –Computer assistance in Data analysis excel and Epi info.The lecture was conducted by Mr Sagar Khandagale.He demonstrated the use of Excel sheets,its activation in data analysis and students also performed this activity according to the guidance.

Lecture 7-Sampling methods and Sample size- conducted by Mrs Jyoti Jawalkar. Students were taught about calculating sample size.

Gr activity 3 – Participants were divided in 7 groups ,they calculated sample size and discussed different sampling methods.Gr activity conducted by faculties Mrs Jyoti Javalkar,Dr Jyoti Gavali.

Lecture-9-Questionairre designing was taken by Dr Jyoti Gavali

It was an interactive session where students were shown to prepare a short questionnaire and the different types of open ended and closed ended structured questionnaire preparation was demonstrated.

Feedback forms were collected digitally from the students.

DAY THREE 08/05/2024



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Lecture 10-Writing a research protocol were conducted by Dr Kamlakar Gajare

A good research protocol has many qualities which were explained in details.

Lecture 12-Evaluation of Diagnostic test was conducted by Dr Jyoti Gavali

Specificity, sensitivity, validity and precision of a diagnostic test were explained in details.

Lecture 14-Qualitative Research Methods-Dr Jyoti Gavali conducted the lecture, and explained the applications of qualitative research and its types.

Lecture 11-Ethical Issues in Medical Research-Dr Kalpana Ayare conducted the lecture and explained different aspects of ethical issues in clinical research practices and different guidelines for ethical conduct.

Lecture 13-Critical Evaluation of Journal article was conducted by Dr Jyoti Gavali. Consort statement was explained and needs of a good research article were described. Equator network and types of articles were discussed.

Group activity 5-was conducted by Dr Jyoti Gavali.different articles were discussed with a copy of the consort statement to, and students were asked to assess the articles and tick the checklist of the consort.

Feedback was taken and post test was conducted. Awards were given for Best student and Best Group .Workshop was concluded by the Valedictory function.

Thanks to the Secretary Mr Anil Gujar, Joint Secretary Mr Arun Gujar,Principal Prof. Dr Pranita Joshi-Deshmukh,Vice Principal Dr Kavita Deshmukh, PG Coordinator Dr Vivek Chaudhari for their guidance and cooperation.

The pre and post test data shows the effect of the workshop.

Co-ordinator

Dr Vidya NewaskarUndale

*V. C. Undale*

Pre-Test



*M. A. M's*  
*7/6/24*  
*16/4*  
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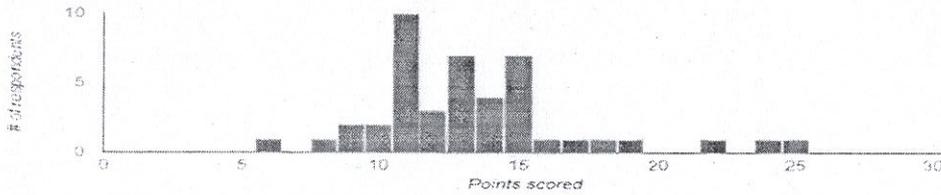
Insights

Average  
13.43 / 30 points

Median  
13 / 30 points

Range  
6 - 25 points

Total points distribution



Post test

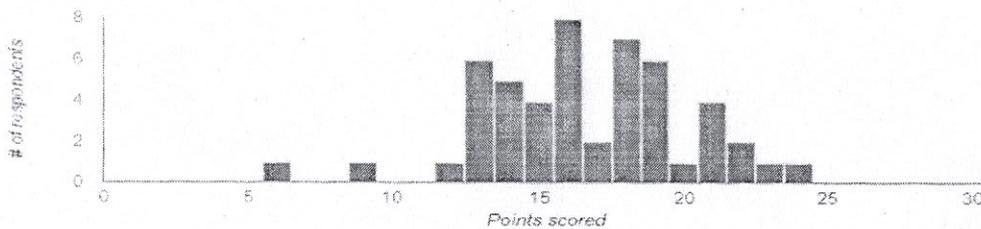
Insights

Average  
16.64 / 30 points

Median  
16 / 30 points

Range  
6 - 24 points

Total points distribution



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07/6/24  
1615

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Ayurved Mahavidyalaya,  
Hadapsar, Pune- 411 028.

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Ayurved Mahavidyalaya,  
Hadapsar, Pune-411 028.





**BRMW 6th May, to 8th May 2024**

# REPORT OF BASIC RESEARCH METHODOLOGY WORKSHOP -

Dated- 9<sup>th</sup> May 2024 to 11<sup>th</sup> May 2024

MAMs Sumatibhai Shah Ayurveda Mahavidyalaya, Hadapsar, Malwadi, Pune

Approval reference – Ref No. MUHS/URD/254/2024 dated 30/04/2024

No. of Participants-50

All participants were PG 1<sup>st</sup> year students of Sumatibhai Shah Ayurveda Mahavidyalaya and a few students of other institutes, cross faculty and faculty of our institute.

DAY ONE- 09/05/2024

Registration of all the delegates was done, and kits containing pen, writing pad and folder were provided.

Pre –test was conducted.

Workshop inauguration was done at the hands of Dr Ramesh Bhosale.

Lecture 1- Introduction to Research methodology was conducted by Dr Ramesh Bhosale.

Lecture content-Different types of research, Hypothesis, Different topics of research.

Lecture 2- conducted by Principal Prof. Dr Pranita Joshi-Deshmukh–Study Design 1- Descriptive studies-

She covered indications of Descriptive studies, Longitudinal, Cross sectional study, Hypothesis

Lecture 3- Study designs 2-Case control study- Principal Prof. Dr Pranita Joshi-Deshmukh conducted the lecture she taught what is case control, Bias, Odds, Cohort study design, Retrospective studies

Lecture 4- Study designs 3-Experimental studies- Dr Kalpana Ayare conducted the lecture She covered topics like different levels of clinical trials, Steps of clinical trials, Designing of experimental study.

Group activity-Research question design- 7 groups were formed .Each group presented research question, hypothesis, and null hypothesis. Everyone discussed about these formed research questions. Was conducted by faculty from college Dr Jyoti Gavali, Dr Kalpana Ayare,

Lecture 6-Literature Search- Dr Jyoti Gavali conducted this lecture. Pub-med and different websites were explained to students and method of search with Boolean characters was explained

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Hadapsar, Pune-411 020.**



*Pranita Joshi*  
07/06/24

Feedback forms were collected digitally from students.

DAY 2- 10/05/2024

Group activity 2-Searching references.

Group activity of literary search was conducted and directed by Dr Jyoti Gavali.

Students had brought laptops and mobiles with net facility for the activity.

Lecture 10-Writing a research protocol were conducted by Dr Kamlakar Gajare

A good research protocol has many qualities which were explained in details.

Lecture 5 – Types of data and data presentations was conducted by Dr Nitin Waghmare conducted this lecture. He explained about types of data ,how to identify them, various tables, figures for data presentations.

Lecture 7-Sampling methods and Sample size- conducted by Biostatistician Mrs Jyoti Jawalkar.Students were taught about calculating sample size.

Group activity 3 – Participants were divided in 5 groups ,they calculated sample size and discussed different sampling methods.Group activity conducted by faculties Mrs Jyoti Jawalkar,Dr Jyoti Gavali and Dr Vidya Undale.

Feedback forms were collected from the students.

DAY THREE 11/05/2024

Lecture 11-Ethical Issues in Medical Research-Dr Vidya Undale conducted the lecture and explained different aspects of ethical issues in clinical research practices and different guidelines for ethical conduct.

Lecture 8-Inferential Statistics -conducted by Dr Seema Patrikar

She explained about different methods of statistical calculations and application of different tests for drawing inferences.

Group activity 4-Group activity conducted by faculties Dr Seema Patrikar ,Dr Jyoti Gavali,Mrs Jyoti Jawalkar, Dr Vidya Undale.Students applied tests for their statistical data.discussed and presented their respective topics.

Lecture 15 –Computer assistance in Data analysis excel and Epi info. The lecture was conducted by Dr Seema Patrikar. She demonstrated the use of Excel sheets,its activation in data analysis and students also performed this activity according to the guidance.

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It was an interactive session where students were shown to prepare a short questionnaire and the different types of open ended and closed ended structured questionnaire preparation was demonstrated.

Lecture 13-Critical Evaluation of Journal article were conducted by Dr Kalpana Ayare Consort statement was explained and needs of a good research article were described. Equator network and types of articles were discussed.

Group activity 5-was conducted by Dr Kalpana Ayare ,different articles were discussed with a copy of the consort statement to and students were asked to assess the articles and tick the checklist of the consort.

Lecture 14-Qualitative Research Methods-Dr Jyoti Gavali conducted the lecture, and explained the applications of qualitative research and its types.

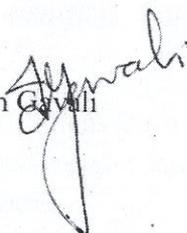
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Thanks to the Hon. Secretary Mr Anil Gujar, Hon. Joint Secretary Mr Arun Gujar,Principal Prof. Dr Pranita Joshi-Deshmukh,Vice Principal Dr Kavita Deshmukh, PG Coordinator Dr Vivek Chaudhari for their guidance and cooperation.

The pre and post test data shows the effect of the workshop.

Co-ordinator

Dr Jyoti Brijesh Gavali



*P. Joshi*  
07/6/24  
16/11  
Principal  
M.A.M's. Sumatibhai Shah  
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Pre test

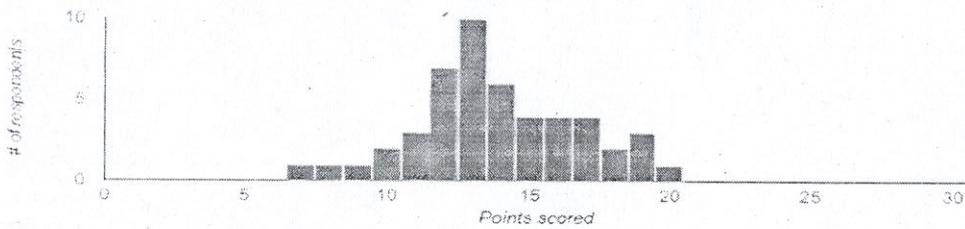
Insights

Average  
13.88 / 30 points

Median  
13 / 30 points

Range  
7 - 20 points

Total points distribution



Post

test

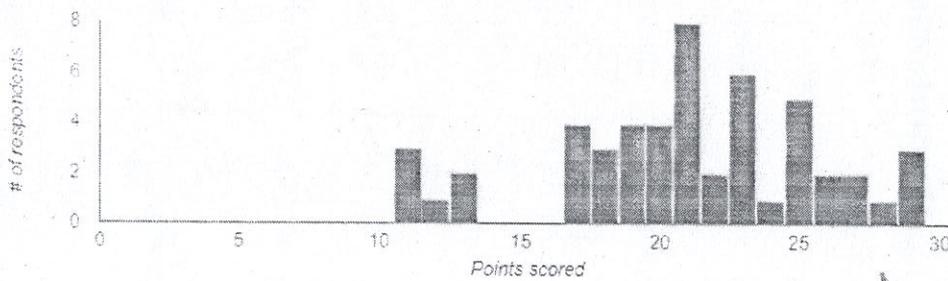
Insights

Average  
20.96 / 30 points

Median  
21 / 30 points

Range  
11 - 29 points

Total points distribution



*Prashant*  
6-7/6/24  
16/2

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GULMOHAR, KUBERA SANKUL, Kubera Sankul Inner Rd, श्री स्वामी समर्थ नगर, मालवाडी,  
हडपसर, पुणे, महाराष्ट्र 411028, India  
Lat 18.502288°  
Long 73.939472°  
11/05/24 10:35 AM GMT +05:30



Pune, Maharashtra, India  
sane guruji ayurvedic hospital , Malwadi Rd, Malwadi, Hadapsar, Pune, Maharashtra 411028,  
India  
Lat 18.50354°  
Long 73.938587°  
09/05/24 11:49 AM GMT +05:30

**BRMW 9th May, to 11th May 2024**