



Dr. S. T. Dada Gujar
Founder MAM



Shri Sumatibhai Shah

Maharashtra Arogya Mandal's
SUMATIBHAI SHAH AYURVED MAHAVIDYALAYA

Estb: 01 Aug 1990 Inst. Code: AYU0148

Recognized by: Govt. of INDIA, Ministry of AYUSH, N.C.I.S.M, New Delhi and Govt. of Maharashtra
Affiliated to : Maharashtra University of Health Sciences (MUHS) Nashik
Awarded Grade 'A' by NCISM & NABET New Delhi
Accredited by NAAC with 'B+' grade

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☎ 020-2952 2505, 2952 2506, ■ 9511 82 2604, Hospital ☎ 020-2952 2502



॥ अस्मिन्समये प्राच्ये तुषिः
कर्मसिद्धिरुच्यते ॥

MAM/SS Ayu/57

Date: 15/04/2025

The H.O.D.,
University Research Department Cell,
Maharashtra University of Health Sciences,
Vani Road, Mhasrul,
Nashik - 422 004.

Subject: Submitting final report of the Basic research methodology workshop 1 held from 1st to 4th April 2025 and workshop 2 held from 4th to 7th April 2025.

Ref. No.: MUHS/UAW/URD/214/2025/DD 28/03/2025
MUHS/UAW/URD/215/2025/DD 28/03/2025

Respected Sir/Madam,

Submitting herewith the report of the Basic research methodology workshop 1 held from 1st to 4th April 2025 and workshop 2 held from 4th to 7th April 2025. The detailed report has been attached for your perusal along with student attendance, faculty attendance, NEFT details and the time table of the workshop. Kindly acknowledge the receipt Thank you.

1. Dr. Nitin Ramchandra Waghmare (Co-ordinator Workshop)

9320383434

2. Dr. Jyoti Gavali (Co-ordinator Workshop)

9833572292

Thanking you,

(Prof. Dr. Pranita Joshi-Deshmukh)

Principal
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Hadapsar, Pune- 411 028.

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Maharashtra University of Health Sciences, Nashik.

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Tentative Programme Schedule of Basic Workshop in Research Methodology

Workshop I- 01/04/2025 To 03/04/2025

Maximum number of participants: 50

<u>DAY ONE-Tuesday 01/04/2025</u>			
S. N	Topic	Method Lecture/GA/ Faculté	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.Jyoti Gavali	45 10:00 am -10:45 am
5	L-2 : Study designs-2. Descriptive Studies	Dr.Jyoti Gavali	45 11:45 am-12:30 pm
4	Tea		15 11.30 am-11:45 am
5	L3 : Study Designs-3: Case control and Cohort	DrAmitav Banerjee	45 12:30 pm-1:15 pm
	L-4 : Study Designs-1: Experimental studies	DrAmitav Banerjee	45 1:15 pm-1:45 pm
6	Lunch		30 1.45 pm-2:15 pm
7	Group Activity-1. Participants will be divided into 4 -7 groups. Each group will discuss among itself and come out with at-least 2 research questions and related hypothesis Indicate why the topic was selected by the group over other topic Indicate the type of study with reasons thereof Indicate dependent and independent variables included in the study (Tea may be served during group activity)	Scientific Committee members	90 2.15 pm-3:30 pm
8	TEA	Tea will be served during Group Activity	
9	L-5: Types of Data and Data Presentation	Dr.Nitin Waghmare	30 3:30 pm-4:00pm
10	L-10: Writing a research protocol	Dr. Bharati Daswan	60 4.00pm -5.00pm

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DAY TWO- Wednesday 02/04/2025				
s. N	Topic	Method	Minutes & Time From - To	
1	Breakfast & tea		30	8.45 am-9:15am
2	L-6: Literature search	Dr.Jyoti Gavali	45	9.15 am-10.00am
3	Group Activity-2: Participants will divide into groups as was done for GA-1 Each group will try to search references related to topics finalized and discussed in GA-1	Dr.Jyoti Gavali	45	10:00 am-10:45am
4	L-7: Sampling: Methods & Sample size (Tea will be served in the session)	Ms.Jagruti Kadam	60	10:45 am-11.45 am
5	Group Activity-3: Participants will divide into Groups as in GA-1. Each group will discuss and present Sampling method adopted for the study / studies selected in GA-1 Discuss and present sample size determined for the study Present at least 3 dummy tables generated (Tea shall be served during group activity)	Ms.Jagruti Kadam and Scientific Committee members	75	11.45 am-1.00 pm
6	Lunch		30	1:00 pm-1:30 pm
7	L 12 Evaluation of a diagnostic test	Dr. Jyoti Gavali	60	1:30 pm to 2:30 pm
8	L-9: Questionnaire Designing	Dr.Nitesh Joshi	60	230 pm-3,30 pm
9	TEA		15	3:30 pm-3.45 pm
10	L-14: Qualitative Research Methods	Dr. Jyoti Gavali	45	3,45 pm – 4:30 pm

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DAY THREE- Wednesday 03/04/2025				
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. Amol Sabale	75	9:30 am-10:45 am
3	TEA		15	10:45 am-11:00 am
4	L-13: Critical Evaluation of Journal Article	Dr. Kalpana Ayare	45	12.00pm - 12.45pm
5	GA-5: Two journal articles (different study designs) will be presented and discussed by members. (Tea shall be served during the group activity.)	Dr. Kapana Ayare	30	12.45 pm -1.15pm
6	Lunch		30	1.15pm to 1.45pm
7	L-8: Inferential Statistics	Col.Dr.Sudhir Jadhav	60	2.00pm- 3.00 pin
8	Group activity 4 The groups will discuss about the inferential statistics statistical test be applied for the study design discussed in earlier group exercises	Col.Dr.Sudhir Jadhav	30	3.00 pm-3.30 pm
9	L-15: Computer assistance in Data Analysis Excel and EPI Info.	Col.Dr.Sudhir Jadhav	60	2.30 pm-3.30pm
10	TEA		15	3:30 pm-3.45 pm
11	Post - Test and Valedictory		75	3.45 pm - 5:00 pm

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REPORT OF BASIC RESEARCH METHODOLOGY WORKSHOP I

Dated- 1st April 2025 to 3rd April 2025

Institute: MAMs Sumatibhai Shah Ayurved Mahavidyalaya, Hadapsar, Malwadi, Pune

Approval reference - Ref No. MUHS/UAW/URD/214/2025 dated 28/03/2025

No. of Participants- 50

All participants were PG Ist year students of Sumatibhai Shah Ayurved Mahavidyalaya

DAY ONE- 01/04/2025

Registration of all the delegates was done

Pre -test was conducted. :

Workshop inauguration was done at the hands of Dr Nitin Waghmare and delegates of the workshop

Lecture 1- Introduction to Research methodology was conducted by Dr Jyoti Gavali
Lecture content-Different types of research, Hypothesis, Different topics of research.

Lecture 2- conducted by Dr Jyoti Gavali. Study Design I -Descriptive studies-
She covered indications of Descriptive studies, Longitudinal, Cross sectional study, Hypothesis

Lecture 3- Study designs 2-Case control study- Dr Amitav Banerjee conducted the lecture
He taught what is case control, Bias, Odds, Cohort study design, Retrospective studies

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

Group activity 1- Research question design- 6 groups were formed .Each group presented a research question, hypothesis, and null hypothesis. Everyone discussed these formed research questions. Was conducted by faculty from college Dr Jyoti Gavali, Dr Nitin Waghmare

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

Lecture 10- Writing a research protocol were conducted by Dr Bharati Daswani,
A good research protocol has many qualities which were explained in detail Along with case record form.

Feedback forms were collected digitally from students.

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DAY 2- 02/04/2025

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

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 7-Sampling methods and Sample size- conducted by Ms Jagruti Kadam. Students were taught about calculating sample size and type of sampling used.

Group activity 3 - Participants were divided in 6 groups ,they calculated sample size and discussed different sampling methods.Gr activity conducted by faculty Ms Jagruti Kadam

Lecture 12-Evaluation of Diagnostic test was conducted by Dr Jyoti Gavali Specificity, sensitivity, validity and precision of a diagnostic test were explained in detail.

Lecture-9- Questionnaire designing was taken by Dr Nitesh Joshi

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

In addition to the above lectures, lecture about the subject was conducted by our Vice Principal Dr Vivek Choudhari on animal experiments, on Day 2 for one hour.

Feedback forms were collected digitally from the students.

DAY THREE - 03/04/2025

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



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Lecture 13- Critical Evaluation of Journal article was conducted by Dr Kalpana Ayare. Consort the statement was explained and the 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, and students were asked to assess the articles and tick the checklist of the consort.

Lecture 8- Inferential Statistics -conducted by Prof. Dr Sudhir Jadhav
He explained about different methods of statistical calculations and application of different tests for drawin

Group activity 4- Gr activity conducted by facultiesDr Sudhir Jadhav.Students applied tests for their statistical data.discussed and presented their respective topics.

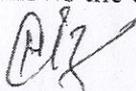
Lecture 15- Computer assistance in Data analysis excel and Epi info.The lecture was conducted by Prof. Dr Sudhir Jadhav. He demonstrated the use of Excel sheets,its activation in data analysis and students also performed this activity according to the guidance.

Feedback was taken and a post test was conducted. Awards were given for Best student and Best Group.

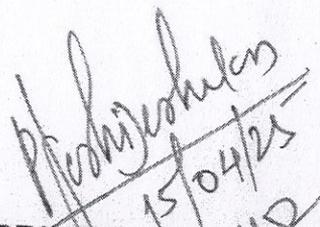
Workshop was concluded by the Valedictory function.

Thanks to the Joint Secretary Mr. Arun Gujar, Vice Principal-Dr Vivek Choudhari, PG Coordinator Dr Nitesh Joshi for their guidance and cooperation.

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

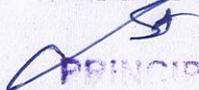
Workshop Coordinator 
Prof and HOD. Dr Nitin Ramchandra Waghmare
Workshop Co- Coordinator
Dr Jyoti Gavali




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The evaluation of the Pretest and Post test is given below

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Pretest

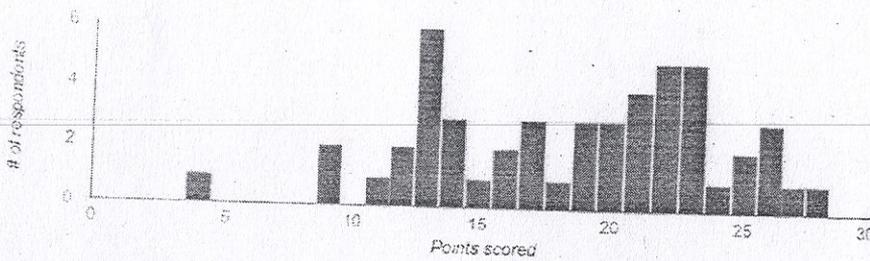
Insights

Average
18.52 / 30 points

Median
19 / 30 points

Range
4 - 28 points

Total points distribution



Post test

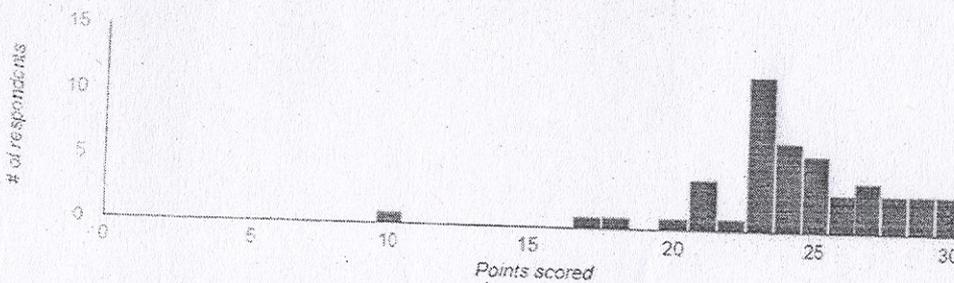
Insights

Average
24.24 / 30 points

Median
24 / 30 points

Range
10 - 30 points

Total points distribution



Workshop Coordinator
Prof and HOD. Dr Nitin Ramchandra Waghmare

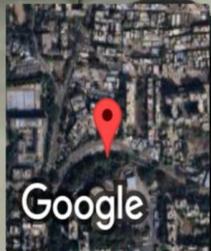


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Pune, Maharashtra, India

Mitra Mandal Chowk, 494/13, Amar Lata Internal Rd, Malwadi, Hadapsar, Pune, Maharashtra 411028, India

Lat 18.503476° Long 73.938595°
02/04/2025 12:59 PM GMT +05:30

GPS Map Camera



Pune, Maharashtra, India

165, 165-a, Malwadi, Hadapsar, Pune, Maharashtra 411028, India

Lat 18.503352° Long 73.938364°
03/04/2025 04:45 PM GMT +05:30

GPS Map Camera

BRMW 01st April to 3rd April 2025

Maharashtra University of Health Sciences, Nashik.

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Tentative Programme Schedule of Basic Workshop in Research Methodology

Workshop II- 04/04/2025 To 07/04/2025

Maximum number of participants: 50

DAY ONE-FRIDAY 04/04/2025			
S. N	Topic	Method Lecture/ GA/ Faculté	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.Jyoti Gavali	45 10:00 am -10:45 am
5	L-2 : Study designs-2. Descriptive Studies	Dr.Jyoti Gavali	45 11:45 am-12:30 pm
4	Tea		15 11.30 am-11:45 am
5	L3 : Study Designs-3: Case control and Cohort	DrAmitav Banerjee	45 12:30 pm-1:15 pm
	L-4 : Study Designs-1: Experimental studies	DrAmitav Banerjee	45 1:15 pm-1:45 pm
6	Lunch		30 1.45 pm-2:15 pm
7	Group Activity-1. Participants will be divided into 4 -7 groups. Each group will discuss among itself and come out with at-least 2 research questions and related hypothesis Indicate why the topic was selected by the group over other topic Indicate the type of study with reasons thereof Indicate dependent and independent variables included in the study (Tea may be served during group activity)	Scientific Committee members	90 2.15 pm-3:30 pm
8	TEA	Tea will be served during Group	
9	Activity		
	L-5: Types of Data and Data Presentation	Dr.Yogesh Narkhede	30 3:30 pm-4:00pm
10	L-6 Literature search	Dr. Jyoti	60 4.00pm -5.00pm

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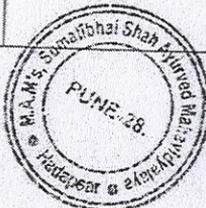
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DAY TWO- SATURDAY 05/04/2025

s. N	Topic	Method	Minutes & Time From - To	
1	Breakfast & tea		30	9:00 am-9:30 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	9:30 am-10:15 am
3	L-7: Sampling: Methods & Sample size (Tea will be served in the session)	Ms.Jagruti Kadam	60	10:15 am-11.15 am
4	Group Activity-3: Participants will divide into Groups as in GA-1. Each group will discuss and present Sampling method adopted for the study / studies selected in GA-1 Discuss and present sample size determined for the study Present at least 3 dummy tables generated (Tea shall be served during group activity)	Ms.Jagruti Kadam and Scientific Committee members	75	11.15 am-12.30 pm
6	L-8: Inferential Statistics	Ms.Jagruti Kadam	60	12.30 pm- 1.30 pm
7	Lunch		30	1:30 pm-2: 00 pm
	Group activity for the groups will discuss about the inferential statistics (statistical test) to be applied to the study design discuss in earlier group exercises	Ms.Jagruti Kadam	30	2.00 pm-2.30 pm
8	L-9: Questionnaire Designing	Dr.Nitesh Joshi	60	2:30 pm-3.30 pm
9	TEA		15	3:30 pm-3.45 pm
10	L-14: Qualitative Research Methods	Dr. Jyoti Gavali	45	3.45 pm – 4.30pm

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DAY THREE- MONDAY 07/04/2025				
S.N	Topic	Method	Minutes & From -To	
1	Breakfast & tea		J0	9:00 am-9:30 am
2	L-11: Ethical Issues In Medical Research Groups will present ethical issues in their respective studies	Dr. Amol Sabale	75	9:30 am-10:45 am
3	TEA		15	10:45 am-11:00 am
4	L-12 Evaluation of a diagnostic test	Dr. Jyoti Gavati	60	11.00an to 12.00pm
5	L-13: Critical Evaluation of Journal Article	Dr. Kalpana Ayare	45	12.00pm – 12.45pm
6	GA-5: Two journal articles (different study designs) will be presented and discussed by members. (Tea shall be served during the group activity.)	Dr. Kapana Ayare	30	12.45 pm – 1.15pm
7	Lunch		30	1.15pm to 1.45pm
8				
	L-10: Writing a research protocol	Dr. Kamlakar Gajare	45	1.45 pm – 2.30pm
9	L-15: Computer assistance in Data Analysis Excel and EPI Info.	Dr. Swati Raje	60	2.30 pm-3.30pm
10	TEA		15	3:30 pm-3.45 pm
11	Post - Test and Valedictory		7S	3.45 pm – 5:00 pm

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REPORT OF BASIC RESEARCH METHODOLOGY WORKSHOP II

Dated- 4th April 2025 to 7th April 2025

Institute: MAMs Sumatibhai Shah Ayurved Mahavidyalaya, Hadapsar, Malwadi, Pune

Approval reference - Ref No. MUHS/UAW/URD/215/2025 dated 28/03/2025

No. of Participants- 50

All participants were PG Ist year students of Sumatibhai Shah Ayurved Mahavidyalaya students from outside the institute from Homeopathy and Ayurveda. Faculty from other Ayurveda institutes were also registered for the workshop.

DAY ONE- 04/04/2025

Registration of all the delegates was done

Pre -test was conducted.

Workshop inauguration was done at the hands of Dr Nitin Waghmare, Ms Jagruti, and delegates of the workshop.

Lecture 1- Introduction to Research methodology was conducted by Dr Jyoti Gavali
Lecture content-Different types of research, Hypothesis, Different topics of research.

Lecture 2- conducted by Dr Jyoti Gavali. Study Design I -Descriptive studies-
She covered indications of Descriptive studies, Longitudinal, Cross sectional study, Hypothesis

Lecture 3- Study designs 2-Case control study- Dr Amitav Banerjee conducted the lecture
He taught what is case control, Bias, Odds, Cohort study design, Retrospective studies

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

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Group activity 1-Research question design- 6 groups were formed .Each group presented a research question, hypothesis, and null hypothesis. Everyone discussed these formed research questions. Was conducted by faculty from college Dr Jyoti Gavali,Dr Nitin Waghmare

Lecture 5 - Types of data and data presentations- Dr Yogesh Narkhede 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- 05/04/2025

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 7-Sampling methods and Sample size- conducted by Ms Jagruti Kadam. Students were taught about calculating sample size and type of sampling used.

Group activity 3 - Participants were divided in 6 groups ,they calculated sample size and discussed different sampling methods.Gr activity conducted by faculty Ms Jagruti Kadam

Lecture 12-Evaluation of Diagnostic test was conducted by Dr Jyoti Gavali
Specificity, sensitivity, validity and precision of a diagnostic test were explained in detail.

Lecture-9- Questionnaire designing was taken by Dr Nitesh Joshi

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.

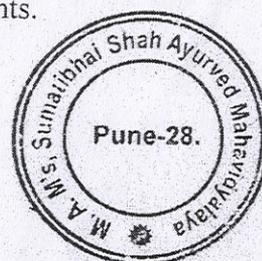
Lecture 14-Qualitative Research Methods-Dr Jyoti Gavali conducted the lecture, and explained the applications of qualitative research and its types.

In addition to the above lectures, lecture about the subject was conducted by our Vice Principal Dr Vivek Choudhari on animal experiments,on Day 2 for one hour.

Feedback forms were collected digitally from the students.

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DAY THREE - 07/04/2025

Lecture 11- Ethical Issues in Medical Research-Dr Amol Sabale 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 Ms Jagruti Kadam

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

Group activity 4- Gr activity conducted by .Students applied Ms.Jagruti Kadam tests for their statistical data.discussed and presented their respective topics.

Lecture 13- Critical Evaluation of Journal article was conducted by Dr Kalpana Ayare. Consort the statement was explained and the 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, and students were asked to assess the articles and tick the checklist of the consort.

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

A good research protocol has many qualities which were explained in detail. Along with case record form.

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

Feedback was taken and a post test was conducted. Awards were given for Best student and Best Group.

Workshop was concluded by the Valedictory function.

Thanks to the Joint Secretary Mr. Arun Gujar, Vice Principal-Dr Vivek Choudhari, PG Coordinator Dr Nitesh Joshi for their guidance and cooperation.

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

Workshop Coordinator

Dr Jyoti Gavali

Workshop Co-Coordinator

Prof and HOD. Dr Nitin Ramchandra Waghmare

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Hadapsar, Pune- 411 028.**

Handwritten signature and date:
15/4/25
1453

Thr Pretest and Post test evaluation is given as below

Pretest

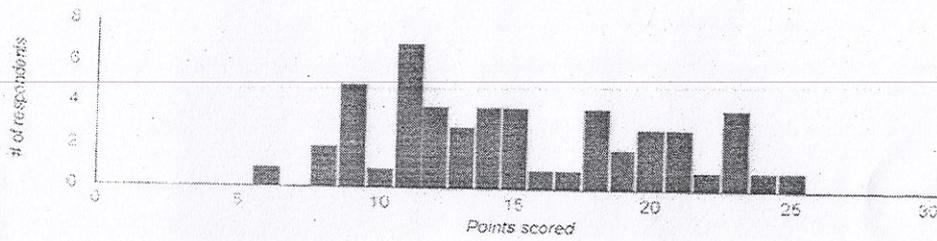
Insights

Average
15.12 / 30 points

Median
14 / 30 points

Range
6 - 25 points

Total points distribution



Posttest

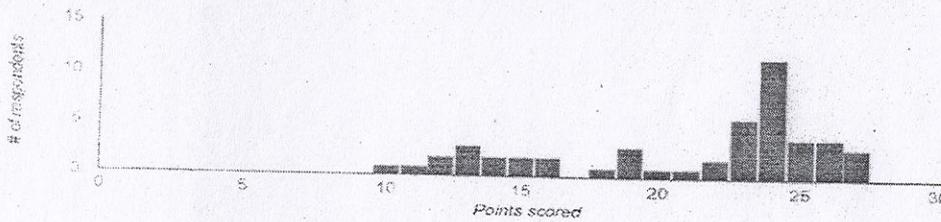
Insights

Average
20.9 / 30 points

Median
23 / 30 points

Range
10 - 27 points

Total points distribution



Workshop Coordinator
Dr Jyoti Gavali

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BRMW 04th April to 7th April 2025