

Maharashtra Arogya Mandal's

Sumatibhai Shah Ayurved Mahavidyalaya

(an ISO 9001:2008 Certified Mahavidyalaya)

Malwadi, Hadapsar, Pune - 411028

Recognized by : Government of India, Ministry of Health & Family Welfare,
Department of AYUSH, New Delhi, C.C.I.M New Delhi & Government of Maharashtra,
Affiliated to Maharashtra University of Health Sciences, Nashik.



REPORT OF BASIC RESEARCH METHODOLOGY WORKSHOP

Dated- 17th January to 19 th January 2019

Conducted by

MAM's Sumatibhai Shah Ayurved Mahavidyalaya, Hadapsar, Malwadi, Pune 28

Convenor: Dr. Sharayu Avinash Kore

Approval reference – Your mail dated 09/01/2019

No. of Participants-48

35 participants were PG 1st year students of Sumatibhai Shah Ayurveda Mahavidyalaya, Pune, and others from PDEA college of Ayurveda, Akurdi, Sangam Ayurveda college, Sangamner, BSDT's Ayurveda college, Wagholi. Online registration was full However 2 students from Terna Dental College cancelled the day before.

All the students were present for all the sessions of 3 days workshop. The scanned copy is sent for your reference. One student Rahul Gujarathi had done two complete signatures and rest brief signature. The necessary corrections to remove discrepancy was done by necessary corrections & is countersigned by me.

Dr Sanjivani Digambar Borate from Wagholi Ayurveda College has registered her name as Guddi Digambar Borate. If possible it is recommended to rectify the mistake of Spelling while preparing final certificate. She is not from Sumatibhai Shah Ayurved College but from B.S.D.T. Ayurveda College, Wagholi. This mistake also will be required to correct.

DAY ONE- 17/1/2019

Registration

Dr Sharayu Kore Convenor of workshop gave introduction. Co coordinator for Day –Dr. Jyoti Gavali

Lecture 1-First Faculty Col Dr S.L. Jadhav gave students Introduction to Research Methodology and its importance in Any Science and relevance in medicine.

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

Lecture 2- conducted by Col Dr S. L. Jadhav. –Study Design 1-Descriptive studies-

He 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. He taught what is case control, Bias, Odds, Cohort study design, Retrospective studies

Lecture 4- Study designs 3-Experimental studies- - Col Dr S.L. Jadhav conducted the lecture he covered topics like different levels of clinical trials, Steps of clinical trials, designing of experimental study, Variables, confounding factors, and level of researches in clinical trial form single case study to meta-analysis.

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Group activity 1 - Study design- 7 groups were formed .Each group presented research question, hypothesis, and nullhypothesis.Everyone discussed about these formed research questions. Was conducted by Dr S.L. Jadhav and faculty from college Dr. Sharayu Kore, Dr. Jyoti Gavali, assisted students whenever required.

Lecture 5 - Types of data and data presentations- Dr Jyoti Gavali conducted this lecture. She explained about various tables figures for data presentations and types of data,This lecture will be beneficial for writing them good research articles

Lecture 6-Literary Search- Dr. Jyoti Gavali conducted this lecture. Pub-med, clinical trial .Gov. Scopus, google scholar and Scopus search engines were explained and different websites were explained.Method of search with Booleans was explained.

Feedback forms were collected from students.

DAY 2 - 18/1/2019

Day Coordinators -Mr. Sagar Khandagale

Group activity 2-Dr Jyoti Gavali, References search was done by student on laptop and android phones.

Group activity of literary search was conducted and directed by Dr Jyoti Gavali, College faculties Dr Sharayu Kore, Dr Maya Gokhale, Dr. Sachinkumar Patil were involved.

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

Lecture 7-sampling methods and Sample size- conducted by Mr. Sagar Khandagale were taught about calculating sample size and types of sampling methods.

Gr activity 3 - Participants were divided in 7 groups, they calculated sample size and discussed different sampling methods.Group activity was conducted by faculty Mr. Sagar Khandagle.

Lecture 8- Computer assistance in Data analysis excel and Epi info.The lecture was conducted byDr Sagar Khandagale.

Gr activity 4 He demonstrated the use of Excel sheets in finding average mean mode standard deviation. He explained how to prepare case papers using Epi Info.

Lecture-9-Writing a research protocol was conducted by Dr Pranita Joshi Deshmukh. She explained all aspect from title to conclusion.

Lecture 10-Ethical Issues in Medical Research-Dr. Pranita Joshi Deshmukh covered ethical aspect in post graduate research. and also gave a question to each group to find correct ethical solution to the issue.

Feedback forms were collected from students for day2.

DAY 3- 19/1/2019

Coordinators for day-Dr Kale Rashmi

Lecture 11- questionnaire designing: The session was conducted by Dr Sachinkumar Patil. He explained types of questionnaire and its importance.

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Lecture 12- Qualitative Research Methods were explained by Dr Sharayu Kore. She explained relevance of ayurvedic researches and qualitative methods with suitable examples and also motivate the students by conducting group activity to understand some simple techniques to find answer to questions useful in Psychological aspect.

Lecture 13 - Evaluation of diagnostic test- by Dr Jyoti Gavali

Dr. Jyoti Gavali conducted session. She explained Specificity, sensitivity, validity and precision of a diagnostic test and use of ROC curve in evaluation.

Lecture 14- Critical appraisal of Journal article was conducted by Dr Kalpana Ayare

Dr. Kore Sharayu and Dr. Kalpana Ayare conducted group activity for the same. Check list of questions were given as study material and articles were given for group activity. Group presented their appraisal for given article

Inferential Statistics -Lecture was conducted by Dr Shrikant Murlidharan. He explained parametric and Non Parametric Test for various study design.

He explained about different methods of statistical calculations and application of different tests for drawing inferences using available free statistical soft wares.

Group activity 6- Group activity conducted by Dr Shrikant Murlidharan. It was short and sweet activity.

The valedictory function was graced by presence of Hon. Vice Principal Dr. Phule and P.G. coordinator Dr. Vaishali Bhosale and Pro. Dr Sharayu Kore. Dr Sharayu Kore Convenor of Workshop briefed overview of the workshop. The best student and best group was declared. They were felicitated by dignitaries on the Dias. Dr. Nilesh Phule addressed the participants.

2 students were given opportunity to share their views regarding workshop. Post test and feedback forms were collected and were given for statistical analysis

Mr. Khandagale did the Job of statistical analysis. According to statistical analysis 90% students have given excellent grade while other 10% have given very good remarks.

Dr. Ayare Kalpana and Myself Dr. Kore Sharayu have worked as faculty. The short C.V. along with necessary certificates, experience and Publication will be forwarded to you for further perusal.

I thank to MUHS.

Programme details: Final Schedule

 MAHARASHTRA UNIVERSITY OF HEALTH SCIENCES, NASHIK महाराष्ट्र आरोग्य विज्ञान विद्यापीठ, नाशिक			
Session Date	Session Time	Session Detail	Faculty
17-01-2019	9.00 am-10:00 am	Registration, Breakfast and Pre -Test	-
17-01-2019	10:00 am -10:45 am	L-1: Introduction to Research Methodology	Dr. S.L. Jadhav
17-01-2019	10:45 am -11:30 am	L-2 : Study Designs-1: Descriptive studies	Dr. S.L. Jadhav
17-01-2019	11:30 am-11:45 am	Tea	-

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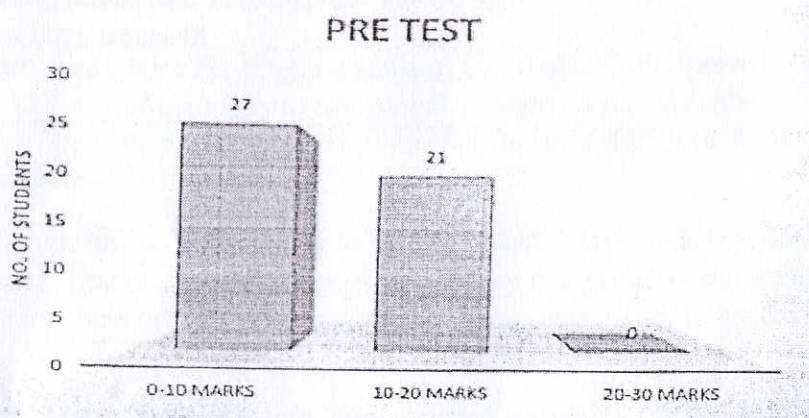
17-01-2019	11:45 am-12:30 pm	L-3 : Study designs-2: Case Control and Cohort Studies	Dr. Pranita Joshi- Deshmukh
17-01-2019	12:30 pm-1:15 pm	L-4 : Study Designs-3: Experimental studies	Dr. S.L. Jadhav
17-01-2019	1:15 pm-1:45 pm	Lunch	-
17-01-2019	1:45 pm-3:15 pm	Group Activity-1 : Study Designs-3: Experimental studies	Dr. S.L. Jadhav
17-01-2019	3:00 pm-4:15 pm	L-5: Types of Data and Data Presentation	Dr. Jyoti Gavali
17-01-2019	4:15 pm-5:00 pm	L-6: Literature search	Dr. Jyoti Gavali
18-01-2019	9:00 am-9:30 am	Breakfast & tea	-
18-01-2019	9:30 am-10:15 am	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. Sharayu Kore Dr. Jyoti Gavali
18-01-2019	10:15 am-11:15 am	L-7: Sampling: Methods & Sample size	Mr. Sagar Khandagale
18-01-2019	11:15 am-12:30 pm	Group Activity-3: Sampling: Methods & Sample size	Mr. Sagar Khandagale
18-01-2019	12:30 pm-1:30 pm	L-8: Excel, Epi Info Lecture & Group Activity	Mr. Sagar Khandagale
18-01-2019	1:30 pm-2:15 pm	Lunch	-
18-01-2019	2:15 pm-3:15 pm	L-12: Ethical Issues In Medical Research Groups will present ethical issues in their respective studies	Dr. Pranita Joshi- Deshmukh
18-01-2019	3:15 pm-3:30 pm	Tea	-
18-01-2019	3:30 pm -4:45 pm	L-11: Writing a research protocol	Dr. Pranita Joshi- Deshmukh
19-01-2019	9:00 am-9:30 am	Breakfast & tea	-
19-01-2019	9:30 am-10:30 am	L-9 :Questionnaire Designing	Dr. Sachinkumar Patil
19-01-2019	10:30 am-11:30 am	L-10: Qualitative research methods	Dr. Sharayu Kore
19-01-2019	11:30 am-12:15 pm	L-13: Evaluation of a diagnostic test	Dr. Jyoti Gavali
19-01-2019	12:15 pm - 1:15 pm	L-14: Critical Evaluation of Journal Article	Dr. Kalpana Ayare
19-01-2019	1:15 pm - 1:45 pm	Lunch	-
19-01-2019	1:45 pm - 3:00 pm	GA-5: Two journal articles (different study designs) will be presented and discussed by members. (Tea shall be served during the group activity.)	Dr. Sharayu Kore Dr. Kalpana Ayare
19-01-2019	3:00 pm - 3:45 pm	L-15: Inferential Statistics	Dr. Shrikant Murlidharan
19-01-2019	3:45 pm-4:30 pm	Group Activity-4 : Inferential Statistics	Dr. Shrikant Murlidharan
19-01-2019	4:30 pm - 5:00 pm	Post - Test and Valedictory	-

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PRE TEST	NO OF STUDENTS	PERCENTAGE
0-10 MARKS	27	56.3
10-20 MARKS	21	43.8
20-30 MARKS	0	0.0
TOTAL	48	100.0

For pre-test, out of 48 students, 27 students had got 0-10 marks, 21 students had got 10-20 marks and 0 students got 20-30 marks.



POST TEST	NO OF STUDENTS	PERCENTAGE
0-10 MARKS	3	6.3
10-20 MARKS	45	93.8
20-30 MARKS	0	0.0
TOTAL	48	100.0

Committee members were felicitated.

Vote of thanks was given by Dr. Rashmi Kale.

Pro. Dr. Mrs. Sharayu Avinash Kore
Convenor
Basic research Methodology Workshop

Pro. Dr. Mrs. Nilakshi S. Pradhan
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BRMW 17th Jan to 19th Jan 2019

Report Summary of MUHS
approved Basic Research
Methodology Workshop
conducted at MAM's
Sumatibhai Shah Ayurveda
Mahavidyalaya Hadapsar
Pune from 14th -16th Jan
2019.

Report on Basic Research Methodology Workshop

14-16 January 2019

Author: Dr Pranita Joshi Deshmukh
Workshop Coordinator MAM's Sumatibhai
Shah Ayurveda Mahavidyalaya



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Basic Research Methodology Workshop is being conducted by Sumatibhai Shah Ayurved Mahavidyalaya since more than 6 years with a legacy of best speakers and timely coordination.

This year we conducted two workshops from 14-19 Jan 2019. This report addresses details of first workshop from 14-16 Jan 2019.

Workshop approval for our application to MUHS was received on 10th January 2019. We started online procedures immediately. All the registrations were done with newly introduced online portal for workshop registrations.

Dr Pranita Joshi Deshmukh was appointed as Convener/ Workshop Coordinator for first workshop by Hon. Principal Dr Nilakshi Pradhan.

As per the guidelines we completed registrations of fifty (50) delegates from Ayurveda, Nursing faculty from the online student list. Due to some unavoidable personal reason one delegate couldn't attend the program. There was a good representation of delegates from four academic institutes.

SSAM Pre MD/MS students from all subjects	34
Wanless Nursing College, Miraj MSc Nursing students	09
BSDT Wagholi Ayurveda College	02
College Of Ayurved& Research Centre, NigdiPradhikaran 04	

Total participants were forty nine (49).

Students representative from respective institutes Dr SnehaBedekar, Mr Asif Bhagwan, Dr AmarjitPandhare and Dr Amar Andewere pivotal in managing the students registrations and spreading the word about the workshop formalities.

On Day one with a modest inaugural session we lightened the lamp by hands of first speaker Dr Amitav Banerjee and started the workshop delegation. Pretest was conducted and then Introduction to Research Methodology and Study Designs-1: Descriptive studies were well executed by dynamic faculty Dr. Amitav Banerjee.

After tea break our in-house faculty and HSET coordinator Dr Pranita Joshi Deshmukh conducted detailed lecture on L-3: Study designs-2: Case Control, Cohort Studies and other designs for Ayurveda Research. She incorporated few basic principles of Ayurveda and discussed corresponding research designs.

Our in-house faculty and member of organizing committee Dr JyotiGavali conducted session on L-4 : Study Designs-3: Experimental studies and corresponding Group Activity on 1 Study Designs-3: Experimental studies was conducted post lunch.

Report on BRMW 14-16 Jan 2019 @ SSAM Pune

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Dr. Pranita Joshi-Deshmukh conducted presentation of L-5 Types of Data and Data Presentation.

L-6: Literature search session was conducted by Dr. Jyoti Gavali to mark the end of day 1.

Day 2 was full of interesting group activities started with GA-2: L-6: Literature search by Dr Jyoti Gavali

Rangoonwala Dental College faculty Dr Shrikant Muralidharan mesmerized audience by demystifying the difficult topic of L-7: Sampling: Methods & Sample size with thought-provoking Group Activity-3: Sampling: Methods & Sample size.

In house Bio-statistician Mr. Sagar Khandagale engaged the audience with L-8: Inferential Statistics with post lunch exciting Group Activity-4 on Inferential Statistics.

In house faculty Dr. Sachinkumar Patil conducted lecture on L-9: Questionnaire Designing.

Post tea break Dr. Pranita Joshi Deshmukh engaged the audience on most attention-grabbing topic of L 10 Writing the Research protocol and then day 2 ended with many discussions and feedbacks showcasing newly ignited interest in audience about various research concepts.

Day 3 started with moral foundation by Dr. Pranita Joshi Deshmukh by explaining the technicalities of L-11: Ethical Issues in Medical Research Groups followed by presentation by groups on ethical issues in their respective studies.

Dr. Jyoti Gavali then captivated the audience with L-12: Evaluation of a diagnostic test.

Dr Sharayu Kore highlighted with nice post lunch presentation on L-13: Critical Evaluation of Journal Article with GA-5: where Two journal articles (different study designs) presented and discussed by members.

Dr. Pranita Joshi Deshmukh then illuminated L-14: Qualitative research methods with fascinating examples especially from Ayurveda and Nursing stream. Day was over with the most awaited L-15: Computer assistance in Data Analysis Excel and EPI Info. By MrSagar Khandagale.

Post test and workshop feedbacks were collected by delegates.

By a humble valedictory function in the presence of Hon. Secretary Mr Anil Gujar, Hon. Principal Dr MrsNeelakshi Pradhan and Workshop Convener Dr Pranita Joshi Deshmukh workshop was summarized.

Dr Jyoti Gavli anchored the session. Best participant award (shared by Dr Amar Ande Nigdi and Mr Asif BhagwanMiraj) and Best delegate group (Wanless Nursing College Miraj) were selected from their performance for three days and feedback from faculties and were felicitated by dignitaries on the dais. Two delegates expressed their feelings about the experience of workshop.

Dr Pradhan Madam highlighted the importance of research and publications in her speech and wished that this knowledge will be implemented in their thesis work.

Overall workshop was well coordinated with dedicated team members in scientific and organizing committee as

- ✓ Convener and faculty Dr Pranita Joshi Deshmukh,
- ✓ Dr Kavita Deshmukh (Kit),
- ✓ Dr Amol Sable (food),
- ✓ Dr Ritesh Damle (Registration),



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Faculty members of scientific committee:

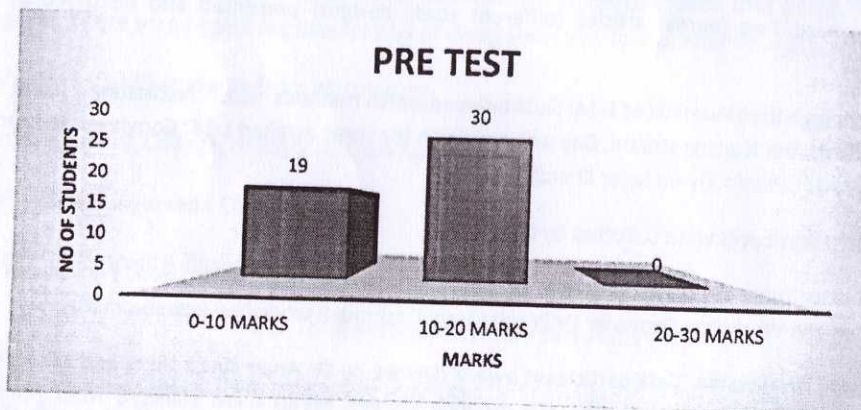
- ✓ Dr Maya Gokhale (Day coordinator and pretest)
- ✓ MrSagar Khandagale (Faculty, Day coordinator and posttest)
- ✓ Dr Jyoti Gavali (Faculty and Day coordinator) and
- ✓ Dr Sachinkumar Patil (Faculty and member of organizing committee)

Analysis of Pretest and Posttest:

Students were maximum from SSAM and lectures and practical of Research and Statistics were already going on since three months. Hence we think there is marginal change in Pretest and Posttest scores. There was also a feedback that after workshop they are in better position to implement this knowledge in their synopsis work.

PRE TEST	NO OF STUDENTS	PERCENTAGE
0-10 MARKS	19	38.8
10-20 MARKS	30	61.2
20-30 MARKS	0	0.0
TOTAL	49	100.0

For pre-test, out of 49 students, 19 students had got 0-10 marks, 30 students had got 10-20 marks and 0 students got 20-30 marks.



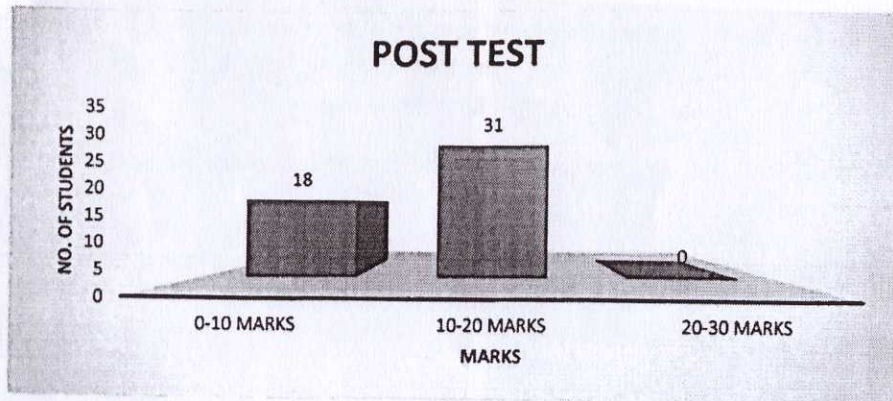
POST TEST	NO OF STUDENTS	PERCENTAGE
0-10 MARKS	18	36.7
10-20 MARKS	31	63.3
20-30 MARKS	0	0.0
TOTAL	49	100.0

For pre-test, out of 49 students, 18 students had got 0-10 marks, 31 students had got 10-20 marks and 0 students got 20-30 marks.



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Program Evaluation Questionnaire

- ✓ Objectives of the workshop largely achieved
- ✓ Useful for professional activities
- ✓ Faculty was resourceful
- ✓ Will be able to implement what you have learning during the workshop:
- ✓ Balanced theory and practical
- ✓ Time management satisfactory: program was too tight / too relaxed / was optimum

Group activities were beneficial: in developing stage daring, team building, communication skills and presentation of idea in front of other faculties.

Best in workshop: 1. will be helpful for writing synopsis.

2. Research designs lectures, statistics hands on trainings lectures by Dr Pranita Joshi Deshmukh, Dr Shrikant Muralidharan, Dr Jyoti Gavli, Mr Sagar Khandagale

3. Writing research protocol session

4. Group activities and sharing of ideas.

How it could be better:

1. Tea should be served with snacks.
2. Need separate lectures for synopsis writing.
3. More time needed for workshop specially statistics lectures.
4. Lunch and food arrangements

If you were to organize this workshop, what differently would you do?

I would have given more time for the workshop.

Overall questionnaire replies were satisfactory meeting the objectives of the workshop to the fullest.



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This workshop was not possible without the pivotal role and support of management of institute especially Hon Secretary Mr Anil Gujar Sir, Hon. Principal Dr Mrs Nilakshi Pradhan, Vice Principal Dr Nilesh Phule and PG Coordinator Dr Mrs Vaishali Bhosale.

SSAM Office technical Staff including computer experts, cashier and office superintendent for management of back stage assignments.

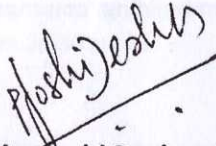
HSET unit of SSAM was actively supporting the whole implementation of workshop. Non-teaching support staff was always there for food, stage and kit related arrangements.

Output of the workshop:

1. Extremely positive outlook by students about difficult subject of research and statistics.
2. Students were more relaxed and confident for synopsis preparation
3. Faculty were satisfied with sincere efforts from students
4. Proactive management of the institute which helped the entire coordination free flowing and uneventful.

We thank MUHS HSET Cell Nashik and Dr Payal Bansal madam for continuous support time to time.

Thanking you



Dr. Pranita Joshi Deshmukh
Workshop Convener



Dr. Mrs. Nilakshi S. Pradhan
Principal SSAM Pune

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