

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 AYUSH, New Delhi, C.C.I.M. New Delhi
& Government of Maharashtra. Affiliated to Maharashtra University of Health Sciences, Nashik.



॥ अभ्यासात् प्राप्यते दृष्टिः
कर्मसिद्धिप्रकाशिनी ॥

MAM/SS Ayu/1087

Date: 05/03/2018

REPORT OF BASIC RESEARCH METHODOLOGY WORKSHOP

Dated- 15th February to 17th February 2018

Conducted by

MAM's Sumatibhai Shah Ayurveda Mahavidyalaya, Hadapsar, Malwadi, Pune

Approval reference – Ref No.MUHS/IMETTT/52

No. of Participants-50

All participants were PG 1st year students of Sumatibhai Shah Ayurveda Mahavidyalaya,Pune.

DAY ONE- 15/2/2018

Registration of all 50 students was done .Registration forms were taken along with Adhar number.

Pre –test was conducted.

Workshop inauguration was done at the hands of Hon. Principal Dr Nilakshi Pradhanwho delivered presidential talk.

Dr VidyaUndale, PG coordinator graced the function. DrSharayu Kore Co-ordinator of workshop gave introductory speech. Faculty for I session Col Dr Amitav Banerjee was present for inauguration.

Anchoring for Day –Dr Pranita Joshi-Deshmukh

Lecture 1- Introduction to Research methodology was conducted by Col Dr Amitav Banerjee.

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

Lecture 2- conducted by Col Dr Amitav Banerjee. –Study Design 1-Descriptive studies-

He covered indications of Descriptive studies, Longitudinal, Cross sectional study,

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Pranita Joshi

Lecture 3- Study designs 2-Case control study- Col Dr S.L. Jadhav conducted the lecture. He differentiated the need of various study designs and selection of study design based on research question. Content: case control, Bias, Odds, Cohort study design, Retrospective studies. Prospective studies, merits and demerits and scope of each.

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.

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. It was conducted by Dr S.L. Jadhav and faculty from college Dr Sharayu Kore, Dr Maya Gokhale, Dr Jyoti Gavali, Dr. Sachinkumar Patil, Dr. Pranita Joshi.

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.

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

Feedback forms were collected from students.

DAY 2-16/2/2018

Day anchoring – Dr Maya Gokhale

Group activity 2-Dr Jyoti Gavali, References search was done.

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. Students 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. Gr activity conducted by faculties Mr Sagar Khandagale, Dr Maya Gokhale, Dr Jyoti Gavali, Dr Sachinkumar Patil.

Lecture-9-Questionnaire designing was conducted by Dr Sachinkumar Patil.

He explained about open ended, close ended questions, Schedule and protocol.

Lecture 10-Writing a research protocol was conducted by Dr Supriya Bhalerao the distinguished faculty from Ayurveda field who is also a Scientist and statistician.

She covered all aspects from title to conclusion with suitable Ayurvedic and modern examples.

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Principals

Principal

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Lecture 13-Critical Evaluation of Journal article was conducted by Dr Supriya Bhalerao.

Along with group activity

Feedback forms were collected from students for day2.

DAY 3- 17/2/2018

Day anchoring –Dr. Jyoti Gavali.

Lecture 8- Inferential Statistics -conducted by Dr S.L. Jadhav.

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

Group activity 4- Group activity conducted by faculties Dr S.L. Jadhav,

College faculties Dr Sharayu Kore, Dr Jyoti Gavali, Mr Sagar Khandagle,, Dr Sachinkumar Patil

Lecture 11-Ethical Issues in Medical Research-DrBharati Daswani. She covered all legal aspect regarding responsibility of PI and consent or accent. She also defined role of surgeon or Doctor in concent in case of emergency.

Lecture 12 - Evaluation of diagnostic test- by Dr Swati Raje

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

Lecture 14-Qualitative Research Methodswas taken by Dr Swati Raje

Lecture 15 –Computer assistance in Data analysis excel and Epi info.The lecture was conducted by 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


Dr Vikram Supugade technically assisted for presentations. He also assisted co ordinator in organising and sending study material to all participants.

Dr. Khandagale analysed the feedback and prepost tests.

Feedback was taken and post-test was conducted.

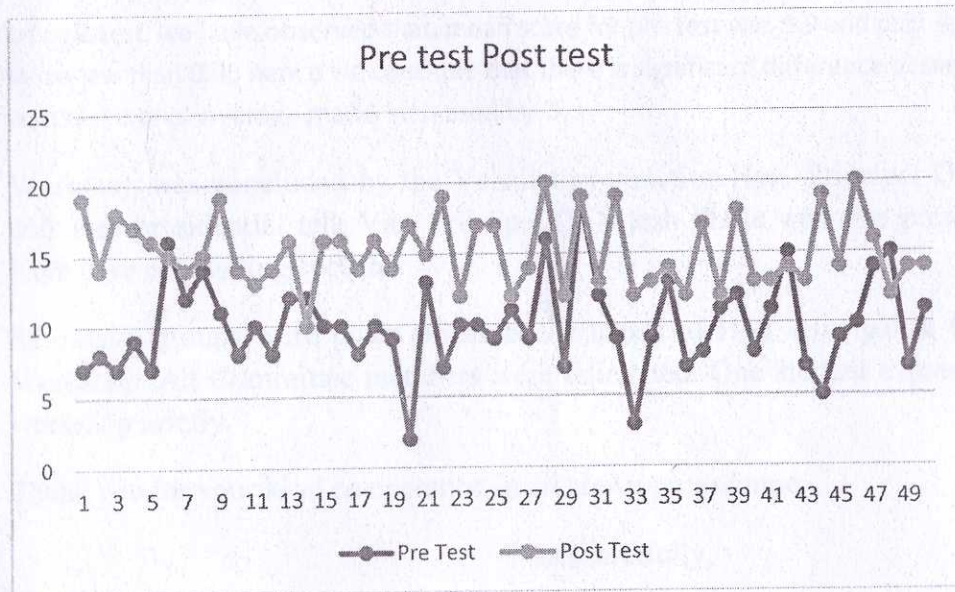
The result are as follows-

Sr No	Pre Test	Post Test
1	7	19
2	8	14
3	7	18
4	9	17
5	7	16
6	16	15

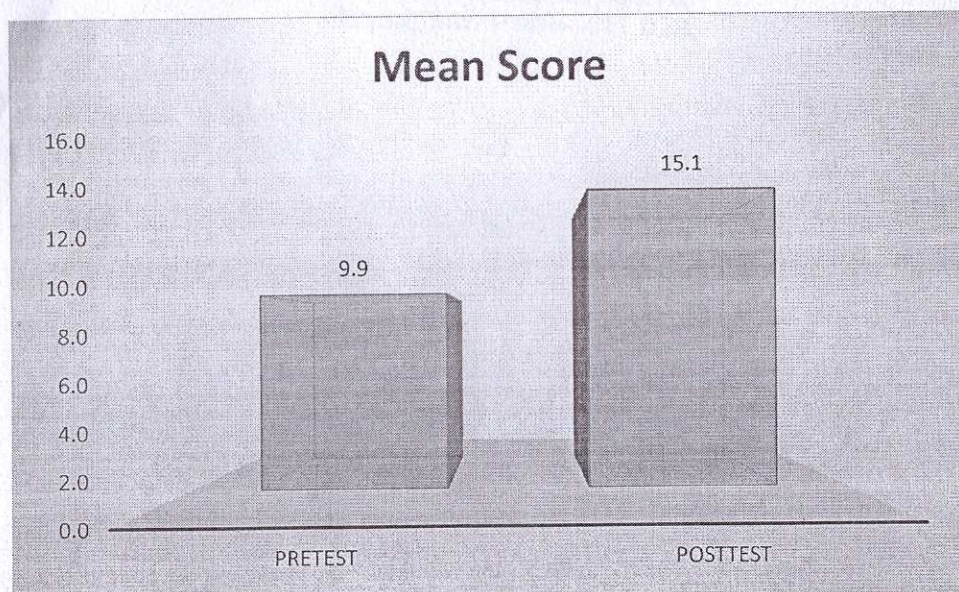
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7	12	14
8	14	15
9	11	19
10	8	14
11	10	13
12	8	14
13	12	16
14	12	10
15	10	16
16	10	16
17	8	14
18	10	16
19	9	14
20	2	17
21	13	15
22	7	19
23	10	12
24	10	17
25	9	17
26	11	12
27	9	14
28	16	20
29	7	12
30	19	19
31	12	13
32	9	19
33	3	12
34	9	13
35	13	14
36	7	12
37	8	17
38	11	12
39	12	18
40	8	13
41	11	13
42	15	14
43	7	13
44	5	19
45	9	14
46	10	20
47	14	16
48	15	12
49	7	14
50	11	14

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	Mean	N	SD	SE	Z-Value	P-Value
PRETEST	9.9	50	3.3	0.5	-6.811	0.000
POSTTEST	15.1	50	2.5	0.4		



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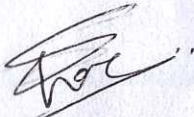
Using Z-test, we have observed that, mean score for pre test was 9.9 and post test was 15.1 with P-Value less than 0.05 hence we conclude that there is significant difference observed in pre test and post test marks. Average marks increased by 5.

Workshop was concluded by the Valedictory function. Hon. Principal Dr Nilakshi Pradhan delivered presidential talk Vice Principal Dr. Nilesh Phule was also present. and Dr. Sharayu Kore gave concluding speech.

Successful groups were given prizes at the hands of Hon Principal & Co-ordinator of the Workshop. All Committee members were felicitated. One student expressed his view about workshop briefly.

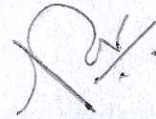
Thank you for your kind co operation in all above programme.

Yours faithfully,



Dr. Mrs. Kore Sharayu
MET Coordinator


Date: 05/03/2018



Dr. Mrs. Nilakshi Pradhan
Principal

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