



# SMBT AYURVED COLLEGE AND HOSPITAL

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### Date- 22/01/2018

# **BASIC RESEARCH METHODOLOGY WORKSHOP REPORT**

### 17-18 JANUARY 2018

SMBT Ayurved college and hospital has arranged a 2 days workshop on Basic Research Methodology on dated 17 & 18 January 2018. The workshop was organized by the HSET Cell of college. Inauguration and Lamp lightening was done by Principal Dr. Pradeep Bhabad sir. The motto behind the conduction of such workshop for UG students was explained by workshop coordinator Dr. Badhe madam. Introduction of Speakers was done by madam. The schedule was explained to students by Dr. Varsharani Chaudhari. The Fourth year UG students were the participants for this workshop.

The aim of conduction of Basic Research Methodology workshop for fourth year UG students to give basic knowledge about the Research and train them as per, that they can conduct an evidence based research in the field of Ayurveda.

first lecture of workshop "Introduction to Dr. Varshrani Chaudhari delivered Research Methodology". Definition of Research, Evolution of Medical Research, Ayurveda terms for research was explained by Dr. Niphade. "Finding out the new facts or verification of the old facts is research". Also she told about the methodology, Types and importance of medical research. Second topic in the workshop was "Study Designs" and the lecture was delivered by Dr. Prashant Patil Sir. Observational and Experimental studies are two main types of research. Observational study includes - Case Report, Case Series, Case Control, Cross Sectional and Cohort studies. These are hypothesis generating researches. Experimental study includes Animal Laboratory studies and Clinical & Field trials. Advantages and disadvantages of Observational and Experimental study was told by sir.

Types of Data and Data Presentation was next topic and taken by Dr. Varsharani Chaudhari madam. Definition of Data, Two types of data- Qualitative and Quantitative was narrated. Tabular and Diagrammatic presentation are types of data presentation. For Qualitative data presentation Tables and Graphs are used. Bar, Pie diagram, Pictogram and Map diagrams are used. For Quantitative data is presented with the help of - Histogram, Frequency Polygon, Frequency Curve, Ogive, Cumulative Frequency graph and scatter diagrams.

After lunch break, Dr. Ankush Gunjal continued the next topic of workshop - Literature Search. He talked about the sources and types of literature search. Academic books, Journal



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articles and literature available on Internet are the sources. Traditional, Systemic, Meta-analysis and Meta – synthesis are the types of literature search. DHARA, AYUSH portal and Pubmed, Google Scholar are some literature search engines available on internet. "And, Or and Not" are bullion words used in online literature search. Literature search helps researcher to write the Introduction and conclusion of research work done.

Dr. Varsharani Chaudhari took a session on Sampling Methods and Sample Size. Definition of Population & Sample , types of sample were discussed. There are two types of sampling- probability and Non Probability sampling. Simple random, Systematic, Stratified, Cluster, Multistage and Multiphase sampling are the types of Probability sampling. Purposive, Quota, Convenience and Snowball sampling are the types of Non Probability sampling. Dr. Ankush Gunjal conducted next session of Introduction to Statistics. What is biomedical statistics, Types and Importance was explained by the sir. There are two types of statistics-Descriptive and Inferential. Descriptive Statistics- Used for Qualitative data. Non Parametric tests like Chi square, Mann Whitney U test, Wilcoxon Sign Rank tests are used in descriptive type of statistics. Mean, median, mode are used for qualitative data. Inferential statistics is used for Quantitative data . Parametric test of statistics like students t test, ANOVA and Z tests are used.

Group activity was conducted on topics covered for first day by Dr. Parashant Patil and Dr. Ankush Gunjal . Different examples for finding Prevalence, Incidence of a specific disease which study design will be used was discussed . According to the study design its collection of data, presentation of data, related literature search and statistical test to be applied was discussed.

Second day of workshop was started with session Qualitative Research Methods and Questionnaire Designing. It was taken by Dr. Shilpa Badhe madam. Definition, Characteristics and Types of Qualitative research, the difference between Qualitative and Quantitative research was explained. Questionnaire Designing was done on the type of research. Close and Open ended questionnaire are two types. Principles of Questionnaire Designing , Strengths & limitation of Questionnaire was told by madam.

Ethical Issues in Medical Research- Dr. Varsharani Chaudhari highlighted the topic. Human subjects are involved in medical research. So The trials are always conducted after the Ethical clearance from a specific committee, called as 'Independent Ethics Committee/IEC". Madam told about the Formation, roles and responsibilities of IEC. Principle of essentiality, Precaution & risk minimization, Vulnerable population, Compensation for research related harm, remuneration for Participant, Ancillary care, Conflict of Interest, Process of Informed



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Consent and its Importance, Privacy and Confidentiality, Distributive Justice, Community Engagement are the ethical issues in medical research. These are well explained by Dr.Chaudhari madam.

After lunch break, the next topic was **Critical evaluation of Journal Article**. Researchers look for a published articles or journals to find the knowledge gap related to research Question. The session was conducted by Dr. Ankush Gunjal sir. UGC Indexed journal article was taken for an example to explain the topic. He told about the Journal, article, Author and Content of article in same examples.

The next session was taken by Dr. Varsharani Chaudhari on Writing a Research Protocol. She explained the Contents of research protocol which are- Title , Introduction (Research Question & Hypothesis, Rationale of study ), Aim & Objectives, Literature Review, Methodology (Research Design), Data collection, Analysis and Interpretation Methods, Ethical consideration, Study Time Frame, Reference style, Bibliography, List of Abbreviation, Budget, Annexure. The last session of the workshop was on Computer Assistance in Data Analysis with Excel. The lecture was delivered by Dr. Badhe madam. Measures of central tendency, test of significance and hands on training of use of Excel software for research was done. Students were motivated to do actual use of Excel for data analysis.

Group activity was conducted by Dr. Shilpa Badhe and Dr. Varsharani Chaudhari. Students were encouraged to form a Research Protocol with all its necessary contents. They formed protocols of Randomized Controlled Trial, Case control and Cross sectionals studies. The Questionnaire related to Case record form history taking was done by students. An article related to "Importance of Aahar in development of Lifestyle disorders" was taken for critical evaluation. Students participated enthusiastically and did the evaluation.

At the end of Workshop Dr.Shilpa Badhe madam offered vote of thanks to respected principal sir, all speakers and participant students.

WORKSHOP COORDINATOR

Dr. Shilpa Badhe.



Dr. Pradeep Bhabad. Principal S.M.B.T.Ayurved College & Hospital Nandi-Hills, Dhamangaon, Tal Igatpuri, Dist. Nachik.

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# Basic Workshop in Research Methodology Programme Schedule

# SMBT Ayurved College and Hospital,

Venue & Organizer:

Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

#### DAY ONE - Date: 17 January 2018

S.N	Торіс	Method	Time (Min.)	Speaker	Time	
1	L-1: Introduction to Research Methodology	Lecture	45	Dr. Varsharani Chaudhari	09:15 am to 10:00 am	
2	L-2 : Study Designs	Lecture	60	Dr. Prashant Patil	10:00 am to 11:00 am	
3	L-3: Types of Data and Data Presentation	Lecture	60	Dr. Varsharani Chaudhari	11:00 pm to 12:00 pm	
4	Lunch		30		12:00 pm to 12:30 pm	
5	L-4: Literature search	Lecture	60	Dr. Ankush Gunjal	12:30 pm to 01:30 pm	
6	L-5: Sampling: Methods & Sample size	Lecture	60	Dr. Varsharani Chaudhari	01:30 pm to 02:30 pm	
7	L-6: Introduction to Statistics	Lecture	60	Dr. Ankush Gunjal	02:30 pm to 03:30 pm	
8	GA-1: Group Activity	Group Activity	90	Dr. Ankush Gunjal & Dr. Prashant Patil	03:30 pm to 05:00 pm	

#### DAY TWO - Date: 18 January 2018

S. N	Торіс	Method	Time (Min.)	Speaker	Time
1	L-7: Qualitative research methods & Questionnaire Designing	Lecture	60	Dr. Shilpa Badhe	09:15 am to 10:15 am
2	L-8: Writing a research protocol	Lecture	75	Dr. Varsharani Chaudhari	10:15 am to 11:30 am
3	L-9: Ethical Issues In Medical Research	Lecture	60	Dr. Varsharani Chaudhari	11:30 pm to 12:30 pm
4	Lunch		30	Laure Pres	12:30 pm to 01:00 pm
5	L-10: Critical Evaluation of Journal Article	Lecture	75	Dr. Ankush Gunjal	01:00 pm to 02:15 pm
6	L-11: Computer assistance in Data Analysis with Excel	Lecture	75	Dr. Shilpa Badhe	02:15 pm to 03:30 pm
7	GA -2: Group Activity	Group Activity	90	Dr. Shilpa Badhe & Dr. Varsharani Chaudhari	





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# Basic Workshop in Research Methodology Programme Schedule

Venue & Organizer:

SMBT Ayurved College and Hospital, Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

## Details of Faculties:

Sr. No.	Name of Faculty	Designation	Department	College
01	Dr. Varsharani Chaudhari	Asst. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
02	Dr. Prashant Patil	Asst. Professor	Prasutitantra evam Strirog	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
03	Dr. Ankush Gunjal	Asst. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
04	Dr. Shilpa Badhe	Professor	Shalyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik





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# BASIC WORKSHOP IN RESEARCH METHODOLOGY 17 To 18 Jan 2018

ST.No.	NAME OF Faculty	17-Jan	18-Jan
2	Dr. Varsharani Chaudhari	Mur	Utur
2	Dr. Shilpa Badhe	5	S
3	Dr. Prashant Patil	Ant	at the
4	Dr. Ankush Gunjal	Neigh	Net

STATE T GENERAL PARTY .

Vd. Shilpa Badhe Co-ordinator Research Workshop

Vd.Pradeep/Bhabad

Principal Principal S.M.&.T.Ayurved College & Hospital Nardi-Hilk,Dhamangaon, &Ugatpuri,Dist,Nashik



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#### **BASIC WORKSHOP IN RESEARCH METHODOLOGY**

Date: 17/01/2018

Sr.No.	NAME	1 2 3 4 5 6 7
1	ALAM SWATI PANDHARINATH	P P P P P P
2	ANDADE AARTI GIRISH	PPPPPP
3	AUCHITE AMOL SUDAM	AAAAAA
4	AWAL PRASHANT RAMESH	AAAAA
5	BHOIR PRACHI CHANDRASHEKHAR	PPPPPP
6	BHUSAL MAYURI BABANRAO	PPPPPPP
7	CHURI SUPRIYA RAJENDRA	PPPPPP
8	GADAKH YOGESH SUKDEV	PPPPPP
9	GADHAVE MAYURESH DATTATRAY	AAAAAA
10	GANGURDE SWAPNALI SHRIDHAR	PPPPPP
11	GHODVINDE POOJA VIJAY	PPPPPP
12	GHORPADE SONALI SAMPAT	PPPPPP
13	GHUDE DEVYANI MADHUKAR	PPPPPP
14	GODASE PRANAY MARUTI	AAAAAA
15	JADHAV SHITAL PARASRAM	PPPPPP
16	JAYBHAYE PRIYANKA RAMCHANDRA	AAAAAA
17	KENE NIKITA MOHAN	F F F F F
18	KUNDE AARTI HARIBHAU	PP PP PP
19	KURHE MAITHILI SHRIRAM	PPPPP
20	MURBADE DHANESH PUNDLIK	AAA AAAA PPPPPPPP
21	PANDAV SHIVANI ULHAS	
22	PATIL HARSHADA RAVINDRA	
23	PATIL OMKAR JAGANNATH	DAAAAAA
24	PATIL SARIKA BALARAM	P P P P P P P P P P P P P
25	PAWAR PRATISHTHA BALASAHEB	
26	PEHARKAR NAVNATH BALU	
27	RATHOD VIKRAMSINGH JABBARSINGH	MAD DAL
28	RAYATE ASAVARI DAULAT	
29	SALAVE VAIBHAVI VILAS	PPPPPP PT
30	SAWANT LEKHA DNYANDEO	PPPPPI
31	SHELKE JOSTANA JAGDISH	
32	SHINDE UTKARSHA VIJAY	
33	SONAWANE PIYUSH POPATRAO	PPPF
34	THORAT ANUSHRI MACHHINDRA	
35	YADAV SHUBHAM BALAKNATH	AAAAAA
36	YADAV SHUBHAM GAJANAN	AAAAA

AS

Vd. Shilpa Badhe Co-ordinator Research Workshop Vd.Pradeeg Bhabad Prineit Principal S.M.B.T.Ayurved College & Hospital Mandi Hills Dhanaagaan, Balgatpari, Ost. Nashik

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#### BASIC WORKSHOP IN RESEARCH METHODOLOGY

Sr.No.	Date: 18/01/2018	1	2	3	4	5	6
1	ALAM SWATI PANDHARINATH	P	P	P	P	P	P
2	ANDADE AARTI GIRISH	P	P	P	P	P	P
3	AUCHITE AMOL SUDAM	A	A	A	A	A	A
4	AWAL PRASHANT RAMESH	A	A	A	A	A	A
5	BHOIR PRACHI CHANDRASHEKHAR	D	P	P	P	p	P
6	BHUSAL MAYURI BABANRAO	P	P	P	P	p	P
7	CHURI SUPRIYA RAJENDRA	p	P	P	P	P	P
8	GADAKH YOGESH SUKDEV	P	P	P	P	P	P
9	GADHAVE MAYURESH DATTATRAY	A	A	A	A	A	A
10	GANGURDE SWAPNALI SHRIDHAR	P	P	P	P	P	P
11	GHODVINDE POOJA VIJAY	P	P	P	P	P	P
12	GHORPADE SONALI SAMPAT	P	P	P	P	P	P
13	GHUDE DEVYANI MADHUKAR	P	P	P	P	P	P
14	GODASE PRANAY MARUTI	A	A	A	A	A	A
15	JADHAV SHITAL PARASRAM	P	P	P	P	P	P
16	JAYBHAYE PRIYANKA RAMCHANDRA	A	A	A	A	A	P
17	KENE NIKITA MOHAN	P	P	P	P	P	P
18	KUNDE AARTI HARIBHAU	P	P	P	P	P	₽
19	KURHE MAITHILI SHRIRAM	P	P	P	P	P	P
20	MURBADE DHANESH PUNDLIK	9	A	A	Ð	A	A
21	PANDAV SHIVANI ULHAS	P	P	P	P	P	P
22	PATIL HARSHADA RAVINDRA	P	P	P	P	P	P
23	PATIL OMKAR JAGANNATH	A	A	A	A	A	A
24	PATIL SARIKA BALARAM	P	P	P	P	P	P
25	PAWAR PRATISHTHA BALASAHEB	P	P	P	P	P	P
26	PEHARKAR NAVNATH BALU	A	A	A	A	A	A
27	RATHOD VIKRAMSINGH JABBARSINGH	A	A	A	A	A	F
28	RAYATE ASAVARI DAULAT	P	P	P	P	P	P
29	SALAVE VAIBHAVI VILAS	P	P	P	P	P	P
30	SAWANT LEKHA DNYANDEO	P	9	P	P	P	P
31	SHELKE JOSTANA JAGDISH	P	P	P	P	P	P
32	SHINDE UTKARSHA VIJAY	P	P	P	P	P	P
33	SONAWANE PIYUSH POPATRAO	ρ	P	ρ	P	P	9
34	THORAT ANUSHRI MACHHINDRA	P	P	P	P	9	f
35	YADAV SHUBHAM BALAKNATH	A	A	A	A	A	F
36	YADAV SHUBHAM GAJANAN	A	A	A	A	A	F

Vd. Shilpa Badhe **Co-ordinator Research Workshop** 

Vd.Pradeep Bhabad Principal B.T.Ayuned Colege & H

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# Basic Research Methodology Workshop

Pre- Test

Q.NO	Question
1.	In the FINER criteria for assessing the research question "I" stands for A. Innovative
	B. Interesting
	C. Inspiring
	D. Inclination
2.	The authority to whom permission for conducting a clinical is to be asked for in India is
	A. Director, Indian Council of Medical Research
	B. Director General Health Services
	C. Drug Controller General of India
	D. Chairman, Medical Council of India
3.	Among the following types of studies which one can be a "Hypothesis
	generating study?"
	A. Clinical trial
	B. Case control study
	C. Cohort study
	D. Cross sectional study
4.	Sampling frame is nothing but describing the
	A. Sampling method
	B. Procedure of calculating sample size
	C. Population itself
	D. Inclusion & exclusion criteria
5.	Making estimate about dependent variable from the independent variable
	for values beyond the observed range of independent variable is:
	A. Interpolation
	B. Extrapolation
	C. External validation
,	D. Internal validation
6.	The drawback/s of the open ended question is/ are
	A. Likely hood of blanks
	B. Time consuming for coding C. Neither A nor B
7	D. Both A & B
7.	Harvard and Vancouver are the names for styles of A. questionnaires
	B. protocol writing
	C. reference citation
	D. sampling





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l.	Focus group discussion is a tool/ method used for
	A. Qualitative research
	B. Quantitative research
	C. Questionnaire designing
	D. Sampling
).	Ability of a test to detect disease in those who have it is its
	A. Sensitivity
	B. Specificity
	C. Predictive power of positive test
	D. Predictive power of positive test
10.	In Likert type of questions (in questionnaire) respondent is asked to
	indicate:
	A. How much he/she agrees with the statement
	B. Which of the statements he/she agrees
	C. Rank order of the statement
	D. Correct/ false answers.
11.	One type of medical research in which informed consent may not be
11.	required and may not be feasible is
	A. Survey
	B. Case control study
	C. Cohort study
	D. None of the above
12.	For testing the hypothesis about disease causation of a rare disease, the
	epidemiological study of first choice is
	A: Cross sectional study
	B: Case control study
	C: Cohort study
	D: Experimental study
13.	The theoretical range of sensitivity of a screening test when compared
	with gold standard is
	A: Zero to one
	B: Minus 1 to plus 1
	C: Zero to infinity
	D: 1 to 100
	D. 1 10 100
14.	For testing aetiological hypothesis for a disease wherein you want to test
14.	more than one cause (risk factor) the epidemiological study of choice will
	be
	A: Cross sectional study
	B: Case control study
	C: Cohort study
	D: Experimental study
15	When information in qualitative study is validated by collecting it from
15.	which information in quantative study is validated by concerning it ment
	more than one source, it is called
	A. Duplication
	B. Triangulation
	C. Confirmation D. None of the above





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6.	In questionnaire, the type of questions that do not have a pre set answer and respondent is provided with a blank space for response are called:
	A. Close ended questions
	B. Open ended questions
	C. Likert type of questions
	D. Babbie format style questions
7.	In a class, students' height does not show much variation. For this
	variable the population will be considered as
	A: Homogenous
	B: Heterogenous
	C: Dynamic
	D: Static
18.	Data of 1000 patients is grouped into 3 groups as per severity of anaemia:
10.	mild, moderate and severe and is presented in tabular form. What is the
	scale of measurement here?
	A. Nominal
	B. Ordinal
	C. Interval
	D. Ratio
19.	In a hospital, due to turnover, patients stay for a brief period only. As such
19.	the age/sex structure of patients shows variation over time. Thus, for these
	variables this will be
	A: A homogenous population
	B: A heterogenous population
	C: A dynamic population
2.0	D: A static population In statistics, the word "Parameter" refers to
20.	A: The constant that describe population characteristic.
	B: The constant that describe sample's characteristic.
	B: The constant that describe sample's characteristic.
	C: A property of normal curve D: A measure of variation used in advanced statistics
21.	Median is almost equal to percentile.
	A: 25 th
	B: 50 th
	C: 80 th
	D: 90 th
	In clinical trial "Reference Population" is the population
22.	A: To which the results of the study are applicable
	B: Which actually participates in the trial
	B: which actually participates in the triat
	C: Which receives new drug being tested
	D: None of the above
00	As per ICMR guidelines, the responsibility of screening of the research
23.	As per ICMR guidelines, the responsibility of screening of the resultent proposals coming to institutional ethics committee is assigned to:
	A. Chairman
	B. Secretary
	C. Medical expert in the group D. Legal expert in the group
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24.	You are planning a clinical trial and you want to search if similar trials are planned anywhere in world. The best and authentic source for this
	information is:
	A. World Health Organiztion: www.who.int/clinical trials
	B. Pubmed: www.ncbi.nlm.nih.gov/pubmed/clinical trials
	C: US National Institute of Health www.clinicaltrials.gov
	D: Google: www.google.com/ clinical trials
25.	Assigning alphabetical/ numerical identifiers to responses from
	respondents in a questionnaire is:
	A. Data editing
	B. Data reduction
	C. Data coding
	D. Data embedding
26.	Triangulation is a method of
	A. Data collection
	B. Data presentation
	C. Data validation
	D. Data analysis
27.	In clinical trial "Study Population" refers to the population
	A: To which the results of the study are applicable
	B: Which is eligible to participate in the trial
	C: Which receives new drug being tested
	D: None of the above
28.	According to ICMR guidelines a new drug is defined as
	A. a new chemical entity (NCE);
	B. a drug which has been approved for a certain indication, by a
	certain route, in a certain dosage regimen, but which is now
	proposed to be used for another indication, by another route, or in
	another dosage regimen;
	C. Both A & B
	D. Neither A nor B
29.	A table in which first column represents labels (names) of groups and
	second column represents the number corresponding to each group is
	A: Simple table
	B: Frequency distribution table
	C: Master table
	D: Two by two table
30.	When testing the association of one cause (Risk factor) with two or more
	diseases (or outcomes) is the objective of the study, the epidemiological
	study of first choice is
	A: Descriptive study
	B: Case control study
	C: Cohort study
	D: Experimental study

HSET Coordinator



P ncibal Principal S.M.B.T.Ayurved Colina Ballospital Nandi-Hills Dhamancin - si Dint Mashik

# Basic Research Methodology Workshop PRE-TEST

* Re	scimrea
1.	Name *
2.	Designation
3.	Mobile No. *
4.	1. In the FINER criteria for assessing the research question "I" stands for * Mark only one oval.
	<ul> <li>A. Innovative</li> <li>B. Interesting</li> <li>C. Inspiring</li> <li>D. Inclination</li> </ul>
5.	<ul> <li>2. The authority to whom permission for conducting a clinical is to be asked for in India is *</li> <li>Mark only one oval.</li> <li>A. Director, Indian Council of Medical Research</li> <li>B. Director General Health Services</li> <li>C. Drug Controller General of India</li> <li>D. Chairman, Medical Council of India</li> </ul>
6.	<ol> <li>Among the following types of studies which one can be a "Hypothesis generating study?" * Mark only one oval.</li> </ol>
	<ul> <li>A. Clinical trial</li> <li>B. Case control study</li> <li>C. Cohort study</li> <li>D. Cross sectional study</li> </ul>
7.	4. Sampling frame is nothing but describing the * Mark only one oval.
	<ul> <li>A. Sampling method</li> <li>B. Procedure of calculating sample size</li> <li>C. Population itself</li> <li>D. Inclusion &amp; exclusion criteria</li> </ul>



8. 5. Making estimate about dependent variable from the independent variable for values beyond the observed range of independent variable is: \*

Mark only one oval.

A. Interpolation

B. Extrapolation

C. External validation

O. Internal validation

9. 6. The drawback/s of the open ended question is/ are \*

Mark only one oval.

A. Likely hood of blanks

B. Time consuming for coding

C. Neither A nor B

D. Both A & B

10. 7. Harvard and Vancouver are the names for styles of \*

Mark only one oval.

A. Questionnaires

B. Protocol writing

- C. Reference citation
- 🔘 D. Sampling
- 11. 8. Focus group discussion is a tool/ method used for \*

Mark only one oval.

A. Qualitative research

) B. Quantitative research

C. Questionnaire designing

D. Sampling

12. 9. Ability of a test to detect disease in those who have it is its \*

Mark only one oval.

A. Sensitivity

O B. Specificity

C. Predictive power of positive test

D. Predictive power of negative test

13. 10. In Likert type of questions (in questionnaire) respondent is asked to indicate: \*

Mark only one oval.

- O A. How much he/she agrees with the statement
- OB. Which of the statements he/she agrees
- C. Rank order of the statement

( D. Correct/ false answers.



14. 11. One type of medical research in which informed consent may not be required and may not be feasible is \*

Mark only one oval.

A. Survey

B. Case control study

C. Cohort study

D. None of the above

15. 12. For testing the hypothesis about disease causation of a rare disease, theepidemiological study of first choice is \*

Mark only one oval.

C A: Cross sectional study

B: Case control study

C: Cohort study

D: Experimental study

16. 13. The theoretical range of sensitivity of a screening test when compared with gold standard is \*

Mark only one oval.

A: Zero to one

B: Minus 1 to plus 1

C: Zero to infinity

O D: 1 to 100

14. For testing etiological hypothesis for a disease wherein you want to test more than one cause (risk factor) the epidemiological study of \* choice will be

Mark only one oval.

A: Cross sectional study

B: Case control study

( C: Cohort study

D: Experimental study

18. 15. When information in qualitative study is validated by collecting it from more than one source, it is called \*

Mark only one oval.

CA Duplication

B. Triangulation

C C. Confirmation

O D. None of the above

 In questionnaire, the type of questions that do not have a pre set answer and respondent is provided with a blank space for response are called:

Mark only one oval.

CA. Close ended questions

B. Open ended questions

C. Likert type of questions

D. Babble format style questions



20. 17. In a class, students' height does not show much variation. For this variable the population will be considered as \*

Mark only one oval.

A: Homogenous

C: Dynamic

OD; Static

21. 18. Data of 1000 patients is grouped into 3 groups as per severity of anemia :mild, moderate and severe and is presented in tabular form. \* What is the scale of measurement here?

Mark only one oval.

( A. Nominal

() 8. Ordinal

C. Interval

O D. Ratio

19. In a hospital, due to turnover, patients stay for a brief period only. As such the age/sex structure of patients shows variation over time.
 Thus, for these variables this will be

Mark only one oval.

- ( A: A homogenous population
- B: A heterogenous population
- C: A dynamic population
- D: A static population
- 23. 20. In statistics, the word "Parameter' refers to \*

Mark only one oval.

- CA: The constant that describe population characteristic.
- B: The constant that describe sample's characteristic.
- C C: A property of normal curve
- ( ) D: A measure of variation used in advanced statistics
- 24. 21. Median is almost equal to percentile. \*

Mark only one oval.

- ( A: 25 th
- () B: 50 th
- \_\_\_\_\_ C; 80 th
- \_\_\_\_ D; 90 th
- 25. 22. In clinical trial "Reference Population" is the population \*

Mark only one oval.

- A: To which the results of the study are applicable
- B: Which actually participates in the trial
- C: Which receives new drug being tested
- ( D: None of the above



26. 23. As per ICMR guidelines, the responsibility of screening of the research proposals coming to institutional ethics committee is assigned \* to:

Mark only one oval.

A. Chairman

B. Secretary

C. Medical expert in the group

O. Legal expert in the group

24. You are planning a clinical trial and you want to search if similar trials are planned anywhere in world. The best and authentic source for \* this information is:

Mark only one oval.

- C A. World Health Organiztion: www.who.int/clinical trials
- B. Pubmed: www.ncbi.nlm.nlh.gov/pubmed/clinical trials
- C: US National Institute of Health www.clinicaltrials.gov
- D: Google: www.google.com/ clinical trials

28. 25. Assigning alphabetical/ numerical identifiers to responses from respondents in a questionnaire is: \*

Mark only one oval.

- ( ) A. Data editing
- B. Data reduction
- C. Data coding

D. Data embedding

29. 26. Triangulation is a method of \*

Mark only one oval.

- C A. Data collection
- B. Data presentation
- C. Data validation
- 🔵 D. Data analysis
- 30. 27. In clinical trial "Study Population" refers to the population \*

Mark only one oval.

- A: To which the results of the study are applicable
- B: Which is eligible to participate in the trial
- C: Which receives new drug being tested
- ( D: None of the above
- 31. 28. According to ICMR guidelines a new drug is defined as \*

Mark only one oval.

A: a new chemical entity (NCE);

B. a drug which has been approved for a certain indication, by a certain route, in a certain dosage regimen, but which is now proposed to be used for another indication, by another route, or in another dosage regimen;

C. Both A & B

D. Neither A nor B



- 32. 29. A table in which first column represents labels (names) of groups and second column represents the number corresponding to each \* group is
   Mark only one oval.
   A: Simple table
   B: Frequency distribution table
  - C: Master table
  - O D: Two by two table
  - 30. When testing the association of one cause (Risk factor) with two or more diseases (or outcomes) is the objective of the study, the epidemiological study of first choice is

Mark only one oval.

CA: Descriptive study

B: Case control study

C: Cohort study

O D: Experimental study

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SMBT Seventian Trust's

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#### 16/03/2018

#### CIRCULAR

- HSET Committee of SMBT Ayurved College and Hospital is conducting a Basic Research Methodology Workshop for UG students to add knowledge regarding Research. The batches for students are as follows
- 2) A) First year batch A & B
  - B) Second year batch A & B
  - C) Third year batch A & B
- Schedule Date 25/03/2018 for Batch 'A'- First, Second & Third year students. 1/04/2018 for Batch 'B'- First, Second & Third year students.

Venue - Year wise respective classrooms

4) Please note Brochure, Schedule and Batches displayed on Notice Board.



SMBT Ayurven College & Hospital SM&LAyurven College & Hospital Innel HimDisenarcam Miledonri Dist Audit



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#### Date= 27/03/2018

## SUFFORMATING BASIC RESEARCH METHODOLOGY WORKSHOP REPORT

SMBT Ayurved College and hospital has arranged a workshop on Basic Research Methodology on dated 25th March 2018. The workshop was organized for first year UG students by the HSET Cell of college. Inauguration and Lamp lightening was done by workshop coordinator Dr. Shilpa Badhe madam. The motto behind the conduction of such workshop was to train students in the field of Research. The need of such training was explained by Dr. Badhe madam. Introduction of Speakers was done by Dr. Varsharani Chaudhari madam. The workshop was conducted on Sunday without hampering the curriculum of students.

Aim of conduction of Basic Research Methodology workshop for UG students to give way shows as basic knowledge about the Research and train them as per, so that they can conduct evidence based research in the field of Ayurveda from the very start of their UG course.

Participants- First year UG - Batch 'A' 30 students.

Completed Workshop- Out of 30 students ,29 completed workshop successfully.

In the first lecture of workshop Dr. Varshrani Chaudhari addresses the participants with topic "Introduction to Research Methodology". Definition of Research, Evolution of Medical Research, Ayurveda terms for research like Anusandhana, Anveshana, Gaveshana, Paryeshana, Shodha etc. were explained by her. RESEARCH can be comprised in to

- R- Rethinking
   E- Experimental method
  - S- Survey
  - E- Evaluation
  - A- Age, Altitude, Aptitude
  - **R** Recognition
  - C- Current affairs

H-Head, Heart, Hand & Health, And A Health, A





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"Research Methodology- It is defined as a highly intellectual human activity used in the investigation of Nature and Matter & deals with the manner in which data is collected, analyzed the new facts or verification of the old facts to follow the appropriate knowledge, so we can get better quality of knowledge. Characteristic of good research are as follows-

- F- Feasible.
- I- Interesting
- N-Novel
- E- Ethical

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The next lecture "Types of Research" was taken by Dr. Patil Prashant. Two type Researches are-

1] Perspective:- Cause to effect

Retrospective:- Effect to Cause.

2] Observational:- Observations are made on small number group of patients.

Interventional:- Some interventions are made and outcome is monitored.

sugars and statistical Descriptive:- Various types of survey, inquiry are included and the survey of the survey of

Analytical:- Researcher use information which is already available and analyze these to make a critical evaluation.

4] Pre-clinical:- Drug trial and animal studies.

Clinical:- Interventional and experimental studies. Human subjects are involved.

5 Qualitative:- Used for qualitative data like health, quality of life.

Quantitative:- Used for measurable data.

6] Clinical:- Observational are Case report and case series where Interventional are Clinical trials.





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Epidemiological- Observational are Cohort, Cross sectional, Case control studies. Interventional are Field surveys.

Third lecture of the workshop "Literature Search" was taken by Dr. Shilpa Badhe. She talked about the sources and types of literature search. Academic text books, Journal articles and literature available on Internet are the sources. Traditional, Systemic, Meta-analysis and Meta – synthesis are the types of literature search. DHARA, AYUSH portal and Pubmed, Google Scholar are some literature search engines available on internet. "And, Or and Not" are Bulleaon words used in online literature search. Literature search helps researcher to find the knowledge gap and can adopt same methodology from previous researches for a new one.

Dr. Prashant Patil conducted a lecture on "Qualitative Research". It is a collection, analysis and interpretation of data by what people do and say. It is a subjective research. Types of Qualitative Research are interview, Focus Group Discussion and participant Observation Techniques. Characteristics and the difference between Qualitative and Quantitative research, advantages and disadvantages of Qualitative research was explained very well by him.

The second last lecture of the workshop was taken by Dr.Ankush Gunjal on "Questionnaire Designing". Questionnaire is depends on the type of study design. Types of Questionnaire- 2 types. Open Ended- where respondent expresses fillings freely. No predefined answers in this type. Close ended – In this type researcher provides 'with option form' to participants and participants have to choose the answer from predefined answers. Principles of Questionnaire designing, Strength and Limitation of Questionnaire designing, Validity and Reliability was discussed in the lecture.

At the end of the workshop, "Group Activity" was taken over the topics covered in lectures. Dr. Prashant Patil took an activity. Students were divided in to three groups. Groups were motivated to search a literature research topic in text books and on internet. Then make a questionnaire related to topic. Students made search about the **Prakruti-Paraikshana** according to Ayurveda in Charak, Vagbhata and Sushtura Samhitas. They used Pubmed, Google Scholar engine for literature search. All groups developed a questionnaire related to 'Finding a Prakruti' of a Person in general. Students enjoyed the activity and developed their own questionnaire.





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At last the vote of thanks was provided by Dr. Prashant Patil, Students noted positive response about the workshop.

Workshop Coordinator HBCShip Ballesonta Shatt Avurved College & Hospital Ohomangaon Tallgatpuri Dist Nashik

Principal

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Dr. Patier Finand. S.M.B.J.Ayurved College & Hospital Natifi Hills Diamangazon Bellgarpusi Dist. Nashik de la composición de





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## **Basic Workshop in Research Methodology Programme Schedule** SMBT Ayurved College and Hospital,

Venue & Organizer:

Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

#### Date: 25/03/2018

	1 <sup>st</sup> year BAMS (Batch	A)		Year 2017-18			
S.N	Topic	Method	Time (Min.)	Speaker	Time		
1	Inauguration		15		08:00 am to 08:15 am		
2	L-1: Introduction to Research Methodology	Lecture	60	Dr. Varsharani Chaudhari	08:15 am to 09:15 am		
3	L-2 : Types of research	Lecture	60	Dr. Prashant Patil	09:15 am to 10:15 am		
4	L-3: Literature search	Lecture	90	Dr. Badhe Shilpa	10:15 pm to 11:45 am		
5	L-4: Qualitative Research	Lecture	90	Dr. Prashant Patil	11:45 am to 01:15 pm		
6	Lunch		45		01:15 pm to 02:00 pm		
7	L-4: Questionnaire	Lecture	<b>\$</b> 0	Dr. Gunjal Ankush	02:00 pm to 03:30 pm		
8	GA-1: Group Activity	Group Activity	90	Dr. Prashant Patil	03:30 pm to 05:00 pm		

**Details of Faculties:** 

Sr. No.	Name of Faculty	Designation	Department	College
01	Dr. Varsharani Chaudhari	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
02	Dr. Prashant Patil	Asst. Professor	Prasutitantra evam Strirog	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
03	Dr. Ankush Gunjal	Asst. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
04	Dr. Shilpa Badhe	Professor	Shalyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik

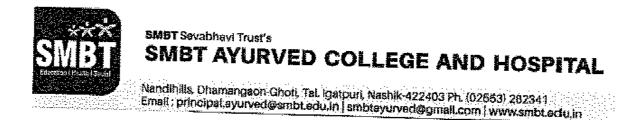


Attendance for Research Methodology Workshop First Year							
	Batch-A-(25			3	4	5	6
Sr No			scau.	SE JUNA	KIIM	scostin	Servion.
1	AHER DHANASHREE VASANTRAO	P	P	P	Р	ρ	LΡ
2	AHER KOMAL RAJEEV	P	P	LP	Ρ	P	Р
3	AHIRE RUTUJA SANJAY	P	P	P	Ρ	P	ρ
4	BHADANE SHRUTI BHASKAR	P	P	P	Ρ	P	ρ
5	BHAGWAT MONALI KAILAS	ρ	P	P	Ρ	P	P
6	BHERE SHITAL BALKRISHANA	P	P	Ρ	Р	P	Ρ
7	BHOIR ASHWINI ULHAS	P	ρ	P	P	Ρ	P
8	BHOIR KOMAL MANOHAR	P	P	Ρ	p	ρ	p
9	BOLLAY JASWINDER KAUR KARNAIL SINGH	P	Р	ρ	P	P	ρ
10	DANDAWATE AYUSH RAJENDRA	P	Р	P	р	P	P
11	DESALE NILESH VILAS	Ρ	P	Р	P	ρ	P
12	DESALE VIPUL SANTOSH	P	P	Ρ	P	P	P
13	DHIKALE GHANSHAM ASHOK	p	P	Р	Р	p	P
14	DHOLE RHUTUJA SANTOSH	Ŕ	P	P	P	P	P
15	DOIFODE SHUBHANGI SANJAY	Ρ	P	Ρ.	P	p	P
16	GADGE AISHWARYA DIPAK	P	P	P	p	P	ρ
17	GAIKWAD MANASI DILIP	Ρ	ρ	P	ρ	P	P
18	GHARAT DIVYA DHANAJI	P	ρ	Ρ	P	P	q
19	HALDE SWATI TRAMBAK	T A	Ĥ	A	P	P	Ρ
20	JAGALE SNEHA NITIN	P	P	P	Ρ	p	P
21	JAIN MOHIT SUNIL	Ρ	P	P	P	ρ	P
22	JAMDAR MAYURI VASANTRAO	P	β	ρ	ρ	Ρ	P
23	JAYKAR PRAJAKTA EKNATH	P	P	P	P	P	Ρ
24	JHA SWETAKUMARI JEETENDRA	Р	Р	P	P	P	
25	KADAM BHAKTI ANIL	Р	Ρ	P	P	Ρ	ρ
26	KADUSKAR RUTUJA DAGADU	P	P	Р	Ρ	P	Ρ
27	KALE KANCHAN KAILAS	P	Р	P	Ρ	ρ	ρ
28	KASLIWAL SAMARTH VIPIN	ρ	P	P	Р	P	P
29	KESARKAR AKSHATA SUNIL	P	P	P	P	P	P
30	KHATKE CHIRAG SURESH	P	Ρ	Ρ	Ρ.	P	P

• :

**Course Coordinator** 

HOD & PROFESSOR Deet, of Shalyatantra SMBT Ayurved College & Hospital Dhamengaon, Talyatpuri, Dist. Nashik-



### Date- 28/03/2018

# BASIC RESEARCH METHODOLOGY WORKSHOP REPORT

SMBT Ayurved college and hospital has arranged a workshop on Basic Research Methodology on dated 25<sup>th</sup> March 2018. The workshop was organized for Second year UG students by the HSET Cell of college. Inauguration and Lamp lightening was done by coordinator Dr. Badhe madam. The motto behind the conduction of such workshop was to train students in the field of Research. The need of such training was explained by Dr. Badhe madam. Introduction of Speakers and description of schedule was done by Dr. Varsharani Chaudhari madam. The workshop was conducted on Sunday without hampering the curriculum of students.

Aim of conduction of Basic Research Methodology workshop for UG students to give basic knowledge about the Research and train them as per, so that they can conduct evidence based research in the field of Ayurveda from the very start of their UG course.

Participants- Second year UG - Batch 'A' 30 students.

Completed Workshop- Out of 30 students ,28 completed workshop successfully.

On the start of the workshop the lecture about "Descriptive studies" was conducted by Dr. Patil Prashant. Descriptive study is a Observational study where Observations are made on small group of patients. Inquiry type of studies like field survey are included in this type. Can be used for both qualitative and quantitative data. Case Reporting, Case series and longitudinal studies are types of descriptive studies. Case reporting is done in case of rare findings related to any case. Case Series is reporting or publication of a same findings in group of patients. Longitudinal studies are long time consuming studies, Case Control, Cross sectional and Cohort. Descriptive studies are Hypothesis generating studies.

Dr. Varsharani Chaudhari delivered lecture on "Ethical Issues in Medical Research" and focused on some special points. Definition of Ethics Committee- An ethics committee is a committee formally designed to review and approve the initiation of a clinical research study involving Human subjects and to provide continuing review of the research study. Formation and responsibilities if IEC was explained. She explained the ethical issues in medical research like- Principle of essentiality, Precaution & risk minimization, Accountability and Transparency, Vulnerable and Special group, Compensation for research related harm, remuneration for Participant, Ancillary care, Conflict of Interest, Process of Informed Consent and its Importance, Privacy and Confidentiality, Distributive Justice, Community Engagement, Post research access and Benefit sharing,





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Privacy and Confidentiality, Distributive Justice, Community Engagement, Post research access and Benefit sharing.

Next day the lecture about "Evaluation of Diagnostic Tests" was delivered by Dr.Shilpa Badhe. Screening and Diagnostic tests are two different modalities to reach up to the final diagnosis of any disease. Screening tests are done in a group of likelihood of presence of disease and Diagnostic tests are done on Screened patients to confirm and make a final diagnosis. Sensitivity is the ability of a test to correctly identify those with disease i.e. True positive rate. Combinations of various tests can be advocated for a diagnosis of disease.

Reliability of test- When results for a test are nearly same for one sample on a single instrument then the results is reliable. Validity of test- When results for a test on different calibrated instrument shows nearly same when compared to standard results then it's a validity of test.

The lecture on "Critical Evaluation of Journal-Article" was delivered by Dr.Shilpa Badhe. Critical evaluation of article from UGC indexed Journal on Rutucharya in Aayurveda was taken for consideration.

What to see about Journal- publisher, Section of the Journal, ISSN number, peer reviewed Journal, year of publication, Issue and Volume of Journal, Page No.

What to see about article- Authors, credentials of authors, current position and past experience, area of expertise.

What to see in published material- Departure from author's specialty area. Title of article indicated Research Question. Look for meaningful Aim and complete Objectives. Studypopulation, study settings. Abstract within 100-250 words, catchy, not too short or long. Introduction creates rationally for current study. Logical flowing sentences. In methodology-Target population, sample frame, sampling technique used, sample size. Then material and methods like Inclusion, exclusion criteria, statistical analysis and tests used. Results should contain appropriate tables, charts and graphs. Discussion – Interpreting and explaining results obtained. It should be meaningful, highlight the important findings of study, enough explanation and significant thinking, logical and reasoned the results properly. At the end Limitation of study and Conflict of Interest if any.

In second last session of the workshop Dr. Varsharani Chaudhari conducted a lecture on "Types of Data and Data presentation". Data is collected from Observation Unit in research. Collection of data through; Primary sources- Direct interface with the observational unit. Types of data- Qualitative & Quantitative. Qualitative/ Discrete/ Frequency Continuation Data- Two





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types. Nominal eg. Colours of hair; and Ordinal- Degree of illness. Quantitative Data- Discrete and Continuous data. Discrete data is number used in Mortality, Birth rate etc. Continuous data varies both in characteristic and frequency. Types of Data Presentation- Tabular and Diagrammatic presentation is used for both Qualitative and Quantitative data.

At the end of the workshop, "Group Activity" was taken over the topics covered in theoretical lectures. Dr. Varsharani Chaudhari conducted this activity. Students were divided in different groups. Two article were given for the critical evaluation and students were asked to find the Good and substandard points from these article. Also group activity related to data presentation was taken. Colour of Eyes, Degree of illness, discharge from wound, temperature, BP was taken for consideration and students identified the type of data and presented in a Tabular and Graphical forms.

At end of the workshop vote of thanks was offered by Dr. Varshrani Chaudhari. Students took part in a workshop very enthusiastically and noted positive response. Dr. Shilpa Badhe madam address the students and appreciated their efforts.

distriction of the Workshop Coordinator Prinčipal Dr.Shilpa Badhe. Dr. Pradeep Bhabad. hod & professor Dept. of Shafyatantra SMBT Ayurved College & Hospital Ohamangaon, Tallgatpuri, Dict. Nashik. Section of the



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## Basic Workshop in Research Methodology Programme Schedule

Venue &Organizer:

SMBT Ayurved College and Hospital,

Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

#### Date: 25/03/2018

2<sup>nd</sup> year BAMS (A Batch)

Year 2017-18

S.N	Topic	Method	Time (Min.)	Speaker	Time
1	Inauguration		15		08:00 am to 08:15 am
2	L-1: Descriptive studies	Lecture	90	Dr. Prashant Patil	08:15 am to 09:45 am
3	L-2 : Ethical issues in medical research	Lecture	60	Dr. Varsharani Chaudhari	09:45 am to 10:45 am
4	L-3: Evaluation of diagnostic test	Lecture	60	Dr. Gunjal Ankush	10:45 pm to 11:45 am
5	L-4: Critical evaluation of journal and articles	Lecture	90	Dr. Badhe Shilpa	11:45 am to 01:15 pm
Ģ	Lunch		45		01:15 pm to 02:00 pm
7	L-5: Types of data and data presentation	Lecture	90	Dr. Varsharani Chaudhari	02:00 pm to 03:30 pm
8	GA-1: Group Activity	Group Activity	90	Dr. Varsharani Chaudhari	03:30 pm to 05:00 pm

**Details of Faculties:** 

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03	Dr. Ankush Gunjal	Asst. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
04	Dr. Shilpa Badhe	Professor	Shalyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik



	Attendance for Research Methodology Workshop Second Year Batch-A-(25-03-2018)							
Sr No	Name Of Student	5cm on	645.00	Gezzán	દલ્હાળ	Session	Services	
1	AVHAD RIDDHI RAMDAS	$\rho$	<u>.</u> ρ	P	4 P	p	. b	
2	CHAUDHARI APEKSHA RAMDAS	ρ	ρ	p	p	, P	ρ	
3	DEORE SNEHA RAJENDRA	ρ	p	P	P	P	P	
4	DHAWALE DNYANDIPA SURESH	P	ρ	p	P	ρ	P	
5	FAROOQUI UZRA RAIS	P P	P	P	p	P	, Р	
ŝ	GAGARE SHIVANI SOPAN	P	p	P	ρ	ρ		
7	GAIKAR AARTI DEVKISAN	P	P	p	p	p	p	
8	GALANDE SUMIT BHAUSAHEB	p	p	p	P	p	P	
9	GHODVINDE PRATIKSHA RAVINDRA	P	ρ	P	Ø	P	ρ	
10	JADHAV SNEHAL SHRIKANT	A	ρ	ρ	A	ρ	ρ	
11	KADAM ADITI ANIL	P	p	Þ	p	Þ		
12	KHABIYA PRANJAL SANJAY	P	p	ρ	ρ	Þ	ρ	
13	MHALSANE SONALI BALASAHEB	P	P	P	P	ρ	p	
14	MIRKUTE VIDHI SHYAM	P	P	p	P	Þ	ρ	
15	MITHE ROSHANI RAJENDRA	q	P	p	ρ	P	P	
16	MUTADAK SAYALI SANJEEV	Þ	p	ρ	p'	p	p	
17	NAGARE SONAL RAJENDRA	P	P	P	p	ρ	P	
18	NEVAGI KARISHMA RUKMANAND	ρ	p.	P	p	P	P	
19	NIKAM RUTWA UDAY	P	ρ	p	ρ	P	P	
20	PAGAR ANUJA NANA	P	ρ	P	ρ	P	ρ	
21	PAGAR PRATIBHA CHANDRABHAN	A	A	A	Ą	<b>A</b>	A	
22	PASHTE KETAKI VISHNU	p	p	ρ	P	P	р	
23	PATHAK SUPRIYA SHIVPUJAN	P	ρ	Р	P	ρ	Þ	
24	PATHAN RESHAMA FIROJ	P	ρ	P	P	ρ	Ρ	
25	PATIL ANKITA VILAS	P	ρ	р	Р	P	p	
26	PATIL ASHWINI HARICHANDRA	ρ	ρ	P	P	ρ	ρ	
27	PATIL HARSHALI KAILASH	р	ρ	P	ρ	ρ	Ρ	
28	PATIL KIRTI KASHINATH	P	P	P	P	p	Р	
29	PATIL MAHESH VUAY	P	P	þ	P	P	ρ	
30	PATIL SHRIPAD BHAGWANTRAO	Þ	P	Þ	Р	P	P	



# Course Coordinator

HOD & PROFESSOR Dept. of Shalyatantra SMIT Ayurved College & Hospital Dhamangeon, Talayatpuri (DatAlashik).



Nandihills, Dhamangaon-Ghoti, Tal. Igatpuri, Nashik-422403 Ph. (02553) 282341 Email : principal.ayurved@smbt.edu.in | smbtsyurved@gmail.com | www.smbt.edu.in

#### Date- 27/03/2018

# 12 PARTY STREET BASIC RESEARCH METHODOLOGY WORKSHOP REPORT

SMBT Ayurved college and hospital has arranged a workshop on Basic Research Methodology for Third year students, on dated 25<sup>th</sup> March 2018. The workshop was organized by the HSET Cell of college. Inauguration and Lamp lightening was done by Principal Dr. Workshop coordinator Dr. Shilpa Badhe madam. HODs of all third year departments were present for the Inauguration. The motto behind the conduction of such workshop was to train students in the field of Research. The need of such training was explained by Dr. Badhe madam. Introduction of Speakers and description of schedule was done by Dr. Varsharani Chaudhari madam. The workshop was conducted on Sunday without hampering the curriculum of students.

basic knowledge about the Research and train them as per, so that they can conduct evidence based research in the field of Ayurveda from the very start of their UG course.

Participants- Third year UG - Batch 'A' 30 students.

Completed Workshop- Out of 30 students ,29 completed workshop successfully.

The first lecture was delivered by Dr.Ankush Gunjal on "Experimental Studies". Types of Experimental studies are- Animal study, Human trials- Randomized Controlled Trial/ RCT, Field trial and Community trial. Difference between study population and target population. Types of variable like Dependent and Independent Variables. Importance of Matching, Bias in matching and matching criteria's. To avoid bias Masking or Blinding is done. Types of blinding-Single, Double & Triple blind study. Four phases of Clinical research are also well explained by him.

Next to this Dr. Shilpa Badhe conducted a session on "Sampling Methods and Sample Size". Size and method of sample for any research work is dependent on the type of a study. Sample is drawn from the target population. Two types of sampling are Random / Probability sampling and Non Random / Non Probability sampling.

Probability sampling in which every unit in the study population has equal chance of being selected as a sample.

Non Probability sampling in which some units of population have no chance of selection in a sample.





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Simple random, Systematic, Stratified, Cluster, Multistage and Multiphase sampling are the types of Probability sampling.

Purposive, Quota, Convenience and Snowball sampling are the types of Non Probability sampling.

Dr.Badhe madam elaborated the concept of determination of sample size for different research types.

The lecture of "Inferential Statistics" was delivered by Dr. Patil Prashant. Descriptive and Inferential are types of statistics. In Inferential statistics some inference of a Research are made with the help of statistical test.

For qualitative Data assessment Non Parametric tests like Chi square test, Wilcoxon sign rank test- within same group, and Mann whitney 'U' test- in different groups are used.

For quantitative data analysis Parametric test like Students 't' test are used. 'Paired t test' for paired data i.e. within same group and 'Unpaired t test' for unpaired data like in 2 different groups.

ANOVA test is used when more than 2 group are present. 'Z' test is used for large sample size when data follows normal distribution.

Dr. Varsharani Chaudhari conducted a next lecture on "Writing Research protocol" A Research Protocol is a formal written record that one prepared Before research fieldwork is undertaken.

Research protocol is a document that sates the background, objectives, rationale, design, methodology and statistical consideration of the study.

Contents of research protocol are- Title, Introduction (Research Question & Hypothesis, Rationale of study), Aim & Objectives, Literature Review, Methodology (Research Design), Data collection, Analysis and Interpretation Methods, Ethical consideration, Study Time Frame, Reference style, Bibliography, List of Abbreviation, Budget, Annexure are very well elaborated by Dr. Chaudhari.

Analysis of observed and collected data is the important step in research. It needs computer is intervented assistance: So the lecture on "Computer Assistance in Data Analysis-.Excel" was taken by Dr. Shilpa Badhe. Data definition, types of data, Measures of Central tendency and Test of





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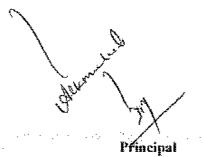
significance was explained by her with the help of a computer. Use of Excel software for data entry and simple analysis was demonstrated by Badhe madam.

The "Group activity" was conducted by Dr.Shilpa Badhe madam for the topics covered in workshop. Groups were given different study types and asked to find the appropriate sample method for study. Simple random sampling, Systematic sampling are used for RCT. Purposive sampling when study population is very small. Cluster for Cohort etc. Then with the help of a Sample size determination formula, groups were come with their appropriate sample size depending upon type of study. Groups were advised to make a Research protocol with its appropriate content for chosen study type. Hands on training of use of Excel software was conducted with its demonstration like- Open file, then table of data, go to your file, choose excel sheet, then choose test finally make an analysis of test.

At end of the workshop vote of thanks was offered by Dr. Shilpa Badhe madam. Students took part in a workshop very enthusiastically and noted positive response, that this workshop will definitely help them for conducting a Research in medical field in their student life and also onwards.

Workshop Coordinator

Dr.Shilpa Badhe. MGD & PROFESSOR Dept. of Chalyatantra SMST Ayunyes - lege & Hospital Ohamangaon, latter PointDist Nashik.



Dr. Pradeep Bhabad.



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# **Basic Workshop in Research Methodology Programme Schedule** SMBT Ayurved College and Hospital,

Venue & Organizer:

Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

Date: 25/03/2018

	5° year bains (A	Year 2017-18			
S.N	Topic	Topic Method		Speaker	Time
1	Inauguration		15		08:00 am to 08:15 am
2	L-1: Experimental studies	Lecture	60	Dr. Ankush Gunjal	08:15 am to 09:15 am
3	L-2 : Sampling method and sample size	Lecture	90	Dr. Shipla Badhe	09:15 am to 10:45 am
4	L-3: Inferential statistics	Lecture	60	Dr. Präshant Patil	10:45 pm to
5	L-4: Writing research protocol	Lecture	90	Dr. Varsharani Chaudhari	11:45 am 11:45 am to 01:15 pm
6	Lunch		45		01:15 pm to 02:00 pm
7	L-5: Computer assistance in data analysis Excel	Lecture Demo	90	Dr. Shilpa Badhe	02:00 pm to 03:30 pm
8	GA-1: Group Activity	Group Activity	90	Dr. Shilpa Badhe	03:30 pm to 05:00 pm

3<sup>rd</sup> vear BAMS (A Ratch)

Details of Faculties:

Sr. No.	Name of Faculty	Designation	Department	College
01	Dr. Varsharani Chaudhari	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
02	Dr. Prashant Patil	Asst. Professor	Prasutitantra evam Strirog	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
03	Dr. Ankush Gunjal	Asst. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
04	Dr. Shilpa Badhe	Professor	Shalyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik



	Attendance for Research Methodology Workshop Third Year Batch-A-(25-03-2018)								
Sr No	Batch-A-(2: Name Of Student	2-03-2012 Session		Sesseen	Session	section	ాజ్యేశ్త లుగ		
1	KÜNDE AARTI HARIBHAU	p	ρ	ρ	P P	p	<u></u> е Р		
2	KURHE MAITHILI SHRIRAM	Γρ	p	P	P	ρ	P		
3	MURBADE DHANESH PUNDLIK	p	ρ	P	P	p	p		
4	PANDAV SHIVANI ULHAS	P	p	ſ	P	p	P		
5	PATIL HARSHADA RAVINDRA	P	ρ	P	þ	p	p		
6	PATIL OMKAR JAGANNATH	P	P	P	역	p	, P		
7	PATIL SARIKA BALARAM	P	P	P	P	ρ	 ρ		
8	PAWAR PRATISHTHA BALASAHEB	P	p	P	P	P	p		
9	PEHARKAR NAVNATH BALU	P	P	P	P	p	P		
10	RATHOD VIKRAMSINGH JABBARSINGH	ρ	P	P	p	ρ	P		
11	RAYATE ASAVARI DAULAT	P	P	P	P	P	P		
12	SALAVE VAIBHAVI VILAS	A	R	ß	A	A	PA		
13	SAWANT LEKHA DNYANDEO	P	P	P	P	p	р		
14	SHELKE JOSTANA JAGDISH	P	P	þ	P	ρ	P		
15	SHINDE UTKARSHA VIJAY	P	P	P	Р	Ρ	₽		
16	SONAWANE PIYUSH POPATRAO	P	p	P	ρ	р	P		
17	THORAT ANUSHRI MACHHINDRA	ρ	P	P	P	P	р		
18	YADAV SHUBHAM BALAKNATH	P	Þ	p	Γ.	Р	P		
19	YADAV SHUBHAM GAJANAN	P	P	P	P	P	P		
20	Pawar Prashani Rajendra	P	Þ	Ρ	P	P	P		
21	Andhale Swati Sitaram	P	p	P	P	Þ	p		
22	Babare Akkansha Deepak	P	P	P	P	P	ρ		
23	Baviskar Pavan Ravindra	P	P	P	P	P	P		
24	Bawaskar Priyanka Sangam	P	р	p	P	P	P		
25	Bhandare Priyanka Anil	р	P	P	p	P	ρ		
26	Bhatti Paramjitkeur Surandrasing	P	P	P	P	P	р		
27	Borhade Supriya Ashok	p	P	þ	P	Þ	P		
28	Borkar Pranita Sakharam	P	р	P	P	P	P		
29	Chaudhary Jasbir Ramesh	Þ	P	P	P	P	р		
30	Darkunde Rushikesh Subhashrao	Р	p	P	P	P	p		

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#### Date- 04/04/2018

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SMBT Ayurved College and hospital has arranged a workshop on Basic Research Methodology on dated 01<sup>st</sup> April 2018. The workshop was organized for first year UG students by the HSET Cell of college. Inauguration and Lamp lightening was done by workshop coordinator Dr. Shilpa Badhe madam. The motto behind the conduction of such workshop was to train students in the field of Research. The need of such training was explained by Dr. Badhe madam. Introduction of Speakers was done by Dr. Varsharani Chaudhari madam. The workshop was conducted on Sunday without hampering the curriculum of students.

Aim of conduction of Basic Research Methodology workshop for UG students to give basic knowledge about the Research and train them as per, so that they can conduct evidence based research in the field of Ayurveda from the very start of their UG course.

Participants- First year UG - Batch 'B' 30 students.

Completed Workshop- Out of 30 students ,29 completed workshop successfully.

In the first lecture of workshop Dr. Varshrani Chaudhari addresses the participants with topic "Introduction to Research Methodology". Definition of Research, Evolution of Medical Research, Ayurveda terms for research like Anusandhana, Anveshana, Gaveshana, Paryeshana, Shodha etc. were explained by her. RESEARCH can be comprised in to

- R-Rethinking
- E- Experimental method
- S- Survey
- E- Evaluation
- A- Age, Altitude, Aptitude
- R- Recognition
- C- Current affairs
- II- Head, Heart, Hand & Health.





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"Research Methodology- It is defined as a highly intellectual human activity used in the investigation of Nature and Matter & deals with the manner in which data is collected, analyzed and interpreted". Alm of research is finding out the new facts or verification of the old facts to follow the appropriate knowledge, so we can get better quality of knowledge. Characteristic of good research are as follows-

- F- Feasible.
- I-Interesting
- N-Novel
- E- Ethical

The next lecture "Types of Research" was taken by Dr. Patil Prashant. Two type Researches are-

1] Perspective:- Cause to effect

Retrospective:- Effect to Cause,

2] Observational:- Observations are made on small number group of patients.

Interventional:- Some interventions are made and outcome is monitored.

store and a 3 Descriptive: - Various types of survey, inquiry are included.

Analytical:- Researcher use information which is already available and analyze these to make a critical evaluation.

4) Pre-clinical:- Drug trial and animal studies.

Clinical:- Interventional and experimental studies. Human subjects are involved,

5] Qualitative:- Used for qualitative data like health, quality of life.

Quantitative:- Used for measurable data.

6] Clinical:- Observational are Case report and case series where Interventional are Clinical trials.





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Epidemiological- Observational are Cohort, Cross sectional, Case control studies, Interventional are Field surveys,

Third lecture of the workshop "Literature Search" was taken by Dr. Shilpa Badhe. She talked about the sources and types of literature search. Academic text books, Journal articles and literature available on Internet are the sources. Traditional, Systemic, Meta-analysis and Meta – synthesis are the types of literature search. DHARA, AYUSH portal and Pubmed, Google Scholar are some literature search engines available on internet. "And, Or and Not" are Bulleaon words used in online literature search. Literature search helps researcher to find the knowledge gap and can adopt same methodology from previous researches for a new one.

Dr. Prashant Patil conducted a lecture on "Qualitative Research". It is a collection, analysis and interpretation of data by what people do and say. It is a subjective research. Types of Qualitative Research are Interview, Focus Group Discussion and participant Observation Techniques. Characteristics and the difference between Qualitative and Quantitative research, advantages and disadvantages of Qualitative research was explained very well by him.

The second last lecture of the workshop was taken by Dr.Ankush Gunjal on "Questionnaire Designing". Questionnaire is depends on the type of study design. Types of Questionnaire- 2 types. Open Ended- where respondent expresses fillings freely. No predefined answers in this type. Close ended – In this type researcher provides 'with option form' to participants and participants have to choose the answer from predefined answers. Principles of Questionnaire designing, Strength and Limitation of Questionnaire designing, Validity and Reliability was discussed in the lecture.

At the end of the workshop, "Group Activity" was taken over the topics covered in lectures. Dr. Prashant Patil took an activity. Students were divided in to three groups. Groups were motivated to search a literature research topic in text books and on internet. Then make a questionnaire related to topic. Students made search about the Prakruti-Paraikshana according to Ayurveda in Charak, Vagbhata and Sushtura Samhitas. They used Pubmed, Google Scholar engine for literature search. All groups developed a questionnaire related to 'Finding a Prakruti' of a Person in general. Students enjoyed the activity and developed their own questionnaire,



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At last the vote of thanks was provided by Dr. Prashant Patil. Students noted positive response about the workshop.

#### Workshop Coordinator

Dr. Shilpa Badhe. HOD & PROFESSOR

Dept. of Shalyatantra SMBT Ayurved College & Hospital Chamangaon, Talgatpuri (Hst. Hashik



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#### Basic Workshop in Research Methodology Programme Schedule SMBT Ayurved College and Hospital,

Venue &Organizer:

Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

Date: 01/04/2018

1ª year BAMS (B Batch) Year 2017-18

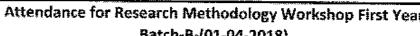
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S.N	Topic	Method	Time (Min.)	5peaker	Time				
1	Inauguration		15		08:00 am to 08:15 am				
2	L-1: Introduction to Research Methodology	Lecture	60	Dr. Varsharani Chaudhari	08:15 am to 09:15 am				
3	L-2 : Types of research	Lecture	60	Dr. Prashant Patil	09:15 am to 10:15 am				
4	L-3: Literature search	Lecture	90	Dr. Badhe Shilpa	10:15 pm to 11:45 am				
5	L-4: Qualitative Research	Lecture	90	Dr. Prashant Patil	11:45 am to 01:15 pm				
6	Lunch		45		01:15 pm to 02:00 pm				
7	L-4: Questionnaire	Lecture	<b>9</b> 0	Dr. Gunjal Ankush	02:00 pm to 03:30 pm				
8	GA-1: Group Activity	Group Activity	<del>9</del> 0	Dr. Prashant Patil	03:30 pm to 05:00 pm				

**Details of Faculties:** 

Sr. No.	Name of Faculty	Designatio n	Department	College
01	Dr. Varsharani Chaudhari	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
02	Dr. Prashant Patil	Asst. Professor	Prasutitantra evam Strirog	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
03	Dr. Ankush Gunjal	Asst. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
04	Dr. Shilpa Badhe	Professor	Shalyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik



	Attendance for Research Methodology Workshop First Year									
	Batch-B-(01-04-2018)									
Sr No	Name Of Student	Sission	Sergion	Oession B	Sc.Bion H	ALIGH 5	Sersion			
1	KSHIRSAGAR PRADNYA KALYANRAO	P	P	P	P	р	٩			
2	MEHETRE ROHAN SUNIL	P	р	Р	Р	ρ	P			
3	MORE VUAY ARJUN	ρ	Ρ	Р	Ρ	ρ	ρ			
4	MUTADAK PRAJAKTA GOKUL	P	P	ρ	Ρ	ρ	Р			
5	NAIK KRUPA NILESH	P	P	ρ	P	ρ	р			
6	NARAWADE ARTI APPASAHEB	Р	P	ρ	P	ρ	P			
7	NIKAM SNEHA DHANANJAY	P	Р	Ŕ	ρ	P	Р			
8	OMASE VIDYA GOVIND	P	Р	P	Ρ	Р	P			
9	PAL NANDANI HARISHCHANDRA	Р	P	P	ρ	P	P			
10	PARIKH BHAVYA KIRAN	P	Ρ	P	ρ	ρ	 P			
11	PATIL DHANASHRI RAVINDRA	P	P	P	P	P	ρ			
12	PATIL PRAJAKTA AJAY	Р	P	P	P	P	P			
13	PATIL PRAJAKTA RAMCHANDRA	P	P	Ρ	P	ρ	ρ			
14	PATIL PRIYADARSHANI SUBHASH	P	P.	Ρ	р	Р	P			
15	PAWAR RENU SUHAS	ρ	Р	р	р	P	P			
16	PHANSE DHANANJAY BABASAHEB	P	P	P	p	ρ	P			
17	SAKHARE AKANKSHA SURENDRA	P	p	ρ	ρ	P	ρ			
18	SAPKAL NIKITA BHAGWAN	P	ρ	ρ	P	P	ρ			
19	SHAH SALONI PAWAN	ρ	ρ	ρ	р	р	p			
20	SHARMA SWAPNIL NAGESH	ρ	ρ	р	р	ρ	ρ			
21	SHEVARE AISHWARYA KHUSHAL	Р	ρ	P	ρ	P	ρ			
22	SONAWANE NILESH SHASHIKANT	P	ρ	ρ	P	ρ	P			
23	SONAWANE PRATIKSHA CHHAGAN	P	ρ	р	ρ	Ρ	P			
24	THAKUR MANSI BHAGVAN	P	ρ	ρ	ρ	ρ	P			
25	THAREWAL SANKET MANOJ	P	р	р	ρ	Þ	P			
26	THIGALE DIVYA RAJESH	р	þ	Ρ	P	Ρ	P			
27	UGALE ARADHANA ATMARAM	P	ρ.	P	ρ	Р	ρ			
<b>28</b>	USHIRE DIPALI GANGARAM	P	Ρ	P	р	Р	Р			
29	VARPE VIDYA BABAJI	A	Я	P	PI	PI	A			
30	VIGHNE RUPALI BALKRUSHNA	Ρ	ρ	Р	ρ	P	p			



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#### Date- 2/04/2018

#### EVERYTHE FOR THE OR ASSOCIATE STREET AND A CONTRACT OF A C

SMBT Ayurved college and hospital has arranged a workshop on Basic Research Methodology on dated 1<sup>st</sup> April 2018. The workshop was organized for Second year UG students by the HSET Cell of college. Inauguration and Lamp lightening was done by coordinator Dr. Badhe madam. HODs of second year departments were present for the Inauguration of workshop. The motto behind the conduction of such workshop was to train students in the field of Research. The need of such training was explained by Dr. Badhe madam. Introduction of Speakers and description of schedule was done by Dr. Varsharani Chaudhari madam. The workshop was conducted on Sunday without hampering the curriculum of students.

knowledge about the Research and train them as per, so that they can conduct evidence based research in the field of Ayurveda from the very start of their UG course.

Participants- Second year UG - Batch 'B' 30 students.

Completed Workshop- Out of 30 students ,29 completed workshop successfully.

On the start of the workshop the lecture about "Descriptive studies" was conducted by Dr. Patil Prashant. Descriptive study is a Observational study where Observations are made on small group of patients. Inquiry type of studies like field survey are included in this type. Can be used for both qualitative and quantitative data. Case Reporting, Case series and longitudinal studies are types of descriptive studies. Case reporting is done in case of rare findings related to any case. Case Series is reporting or publication of a same findings in group of patients. Longitudinal studies are long time consuming studies, Case Control, Cross sectional and Cohort. Descriptive studies are Hypothesis generating studies.

Dr. Varsharani Chaudhari delivered lecture on "Ethical Issues in Medical Research" and focused on some special points. Definition of Ethics Committee- An ethics committee is a committee formally designed to review and approve the initiation of a clinical research study involving Human subjects and to provide continuing review of the research study. Formation and responsibilities if IEC was explained. She explained the ethical issues in medical research like-Principle of essentiality, Precaution & risk minimization, Accountability and Transparency, Vulnerable and Special group, Compensation for research related harm, remuneration for Participant, Ancillary care, Conflict of Interest, Process of Informed Consent and its Importance,





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Privacy and Confidentiality, Distributive Justice, Community Engagement, Post research access and Benefit sharing.

Next day the lecture about "Evaluation of Diagnostic Tests" was delivered by Dr.Shilpa Badhe. Screening and Diagnostic tests are two different modalities to reach up to the final diagnosis of any disease. Screening tests are done in a group of likelihood of presence of disease and Diagnostic tests are done on Screened patients to confirm and make a final diagnosis. Sensitivity is the ability of a test to correctly identify those with disease i.e. True positive rate. Combinations of various tests can be advocated for a diagnosis of disease.

Reliability of test- When results for a test are nearly same for one sample on a single instrument then the results is reliable. Validity of test- When results for a test on different calibrated instrument shows nearly same when compared to standard results then it's a validity of test. The lecture on "Critical Evaluation of Journal-Article" was delivered by Dr.Shilpa Badhe. Critical evaluation of article from UGC indexed Journal on Rutucharya in Aayurveda was taken for consideration.

What to see about Journal- publisher, Section of the Journal, ISSN number, peer reviewed Journal, year of publication, Issue and Volume of Journal, Page No.

What to see about article- Authors, credentials of authors, current position and past experience, area of expertise.

What to see in published material- Departure from author's specialty area. Title of article indicated Research Question. Look for meaningful Aim and complete Objectives. Study population, study settings. Abstract within 100-250 words, catchy, not too short or long. Introduction creates rationally for current study. Logical flowing sentences. In methodology-Target population, sample frame, sampling technique used, sample size. Then material and methods like Inclusion, exclusion criteria, statistical analysis and tests used. Results should contain appropriate tables, charts and graphs. Discussion – Interpreting and explaining results obtained. It should be meaningful, highlight the important findings of study, enough explanation and significant thinking, logical and reasoned the results properly. At the end Limitation of study and Conflict of Interest if any.

In second last session of the workshop Dr. Varsharani Chaudhari conducted a lecture on "Types of Data and Data presentation". Data is collected from Observation Unit in research: Collection of data through; Primary sources- Direct interface with the observational unit. Types of data- Qualitative & Quantitative, Qualitative/ Discrete/ Frequency Continuation Data- Two



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# SMBT AYURVED COLLEGE AND HOSPITAL

Nandihills, Dhamangaon-Ghoti, Tal. Igatpuri, Nashik-422403 Ph. (02553) 282341 Email : principal.ayurved@smbt.edu.in | smbtayurved@gmail.com | www.smbt.edu.in

types. Nominal eg. Colours of hair; and Ordinal- Degree of illness. Quantitative Data- Discrete and Continuous data. Discrete data is number used in Mortality, Birth rate etc. Continuous data varies both in characteristic and frequency. Types of Data Presentation- Tabular and Diagrammatic presentation is used for both Qualitative and Quantitative data.

At the end of the workshop, "Group Activity" was taken over the topics covered in theoretical lectures. Dr. Varsharani Chaudhari conducted this activity. Students were divided in different groups. Two article were given for the critical evaluation and students were asked to find the Good and substandard points from these article. Also group activity related to data presentation was taken. Colour of Eyes, Degree of illness, discharge from wound, temperature, BP was taken for consideration and students identified the type of data and presented in a Tabular and Graphical forms.

At end of the workshop vote of thanks was offered by Dr. Varshrani Chaudhari. Students took part in a workshop very enthusiastically and noted positive response. Dr. Shilpa Badhe madam address the students and appreciated their efforts.

Principal

Dr. Pradeep Bhabad.



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Workshop Coordinator

Dr. Shilpa Badhe. HOD & PROFESSOR Dept. of Shalyatantra SMBT Ayurved College & Hospital Dhamangaon, Tal Igatpuri, Dist. Nashik,

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#### Basic Workshop in Research Methodology Programme Schedule SMBT Ayurved College and Hospital,

Venue & Organizer:

Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

Date: 01/04/2018

	2 <sup>nd</sup> year BAMS (B Bat	tch)	Year 2017-18				
S.N	Topic	Method	Time (Min.)	Speaker	Time		
1	inauguration	*****	15		08:00 am to 08:15 am		
2	L-1: Descriptive studies	Lecture	90	Dr. Prashant Patil	08:15 am to 09:45 am		
3	L-2 : Ethical issues in medical research	Lecture	60	Dr. Varsharani Chaudhari	09:45 am to 10:45 am		
4	L-3: Evaluation of diagnostic test	Lecture	60	Dr. Gunjal Ankush	10:45 pm to 11:45 am		
5	L-4: Critical evaluation of journal and articles	Lecture	90	Dr. Badhe Shilpa	11:45 am to 01:15 pm		
6	Lunch		45		01:15 pm to 02:00 pm		
7	L-5: Types of data and data presentation	Lecture	90	Dr. Varsharani Chaudhari	02:00 pm to 03:30 pm		
8	GA-1: Group Activity	Group Activity	90	Dr. Varsharani Chaudhari	03:30 pm to 05:00 pm		

**Details of Faculties:** 

Sr. No.	Name of Faculty	Designation	Department	College
01	Dr. Varsharani Chaudhari	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
02	Dr. Prashant Patil	Asst. Professor	Prasutitantra evam Strirog	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
03	Dr. Ankush Gunjal	Asst. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
04	Dr. Shilpa Badhe	Professor	Shalyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik



Atten	Attendance for Research Methodology Workshop Second Year Batch- B-(01-04-2018)							
Sr No	Name Of Student	F	Session	Seguion	Session	Signan	Section	
1	PAWALI DIKSHA RAMDAS	p	P	ρ	p	ρ	P	
2	PAWAR NIVEDITA SUDHAKAR	ρ	P	ρ	p	P	¢	
3	RATHOD SAYALI SAHEBRAO	ρ	P	ρ	Ρ	ρ	P	
4	RATHOD SONALI SAHEBRAO	ρ	p	P	ρ	P	P	
5	SAWLE PUNAM RAJENDRA	P	ρ	P	ρ	Þ	P	
6	SOLANKI ADITI CHANDRASINH	P	P	ρ	p	P	P	
7	SONAWANE PRANALI PRAKASH	ρ	P	P	P	P	, P	
8	SONAWANE PRATIKSHA RAJENDRA	p	p	ρ	ρ	Þ	p	
8	TIWARI ANIKET RAJENDRAKUMAR	P	Ρ	ρ	p	Þ	P	
10	UGALMUGALE POOJA NIVRUTTI	P	р	ρ	p	p	P	
11	VADAK SAMRUDDHI REVANNATH	ρ	p	p	₽	p	ρ	
12	WAGH SAYALI NARENDRA	P	ρ	P	р	ρ	Þ	
13	WAJE SAYALI AMBADAS	ρ	P	P	p	ρ	P	
14	ALAM SWATI PANDHARINATH	p	ρ	ρ	P	p	p.	
15	ANDADE AARTI GIRISH	P	D	ρ	P	p	p	
16	AUCHITE AMOL SUDAM	p	P	p	P	ρ	p	
17	AWAL PRASHANT RAMESH	p	p	ρ	P	ρ	P	
18	BHOIR PRACHI CHANDRASHEKHAR	P	P	P	ρ	p	P	
19	BHUSAL MAYURI BABANRAO	p	P	P	P	P	ρ	
20	CHURI SUPRIYA RAJENDRA	ρ	P	P	P	P	P	
21	GADAKH YOGESH SUKDEV	P	р	P	P	p	P	
22	GADHAVE MAYURESH DATTATRAY	A	p	p	P	p	A	
23	GANGURDE SWAPNALI SHRIDHAR	P	ρ	P	ρ	P	P	
24	GHODVINDE POOJA VIJAY	p	P	Р	ρ	p	Þ	
25	GHORPADE SONALI SAMPAT	P P	p	p	p	Þ	P	
26	GHUDE DEVYANI MADHUKAR	P	p	р	p	P	P	
27	GODASE PRANAY MARUTI	P	p	Р	P	P	p	
28	JADHAV SHITAL PARASRAM	ρ	p	q	P	P	Þ	
29	JAYBHAYE PRIYANKA RAMCHANDRA	Ρ	P	р	P	p	p	
30	KENE NIKITA MOHAN		p q	p	ρ	P	Þ	

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HEADFARCORIANTED OF Dept. of Shalyatantra SMET Ayusved College & Hospital Dhamangaan Gilgatpuri Dist.Nashik.



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#### Date- 2/04/2018

#### BUILDER MANNER OF BASIC RESEARCH METHODOLOGY WORKSHOP REPORT A BASIC REPORT A DEPARTMENT OF

SMBT Ayurved college and hospital has arranged a workshop on Basic Research Methodology for Third year students on dated 01<sup>st</sup> April 2018. The workshop was organized by the HSET Cell of college. Inauguration and Lamp lightening was done by Principal Dr. Workshop coordinator Dr. Shilpa Badhe madam. HODs of all third year departments were present for the Inauguration. The motto behind the conduction of such workshop was to train students in the field of Research. The need of such training was explained by Dr. Badhe madam. Introduction of Speakers and description of schedule was done by Dr. Varsharani Chaudhari madam. The workshop was conducted on Sunday without hampering the curriculum of students.

because Aim of conduction of Basic Research Methodology workshop for UG students to give basic knowledge about the Research and train them as per, so that they can conduct evidence based research in the field of Ayurveda from the very start of their UG course.

Participants- Third year UG - Batch 'B' 20 students.

Completed Workshop- All 20 students completed workshop successfully.

The first lecture was delivered by Dr.Ankush Gunjal on "Experimental Studies". Types of Experimental studies are- Animal study, Human trials- Randomized Controlled Trial/ RCT, Field trial and Community trial. Difference between study population and target population. Types of variable like Dependent and Independent Variables. Importance of Matching , Bias in matching and matching criteria's. To avoid bias Masking or Blinding is done. Types of blinding-Single, Double & Triple blind study. Four phases of Clinical research are also well explained by him.

Next to this Dr. Shilpa Badhe conducted a session on "Sampling Methods and Sample Size". Size and method of sample for any research work is dependent on the type of a study. Sample is drawn from the target population. Two types of sampling are Random / Probability sampling and Non Random / Non Probability sampling.

Probability sampling in which every unit in the study population has equal chance of being selected as a sample.

Non Probability sampling in which some units of population have no chance of selection in a sample.





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Simple random, Systematic, Stratified, Cluster, Multistage and Multiphase sampling are the types of Probability sampling.

Purposive, Quota, Convenience and Snowball sampling are the types of Non Probability sampling.

Dr.Badhe madam elaborated the concept of determination of sample size for different research types.

The lecture of "Inferential Statistics" was delivered by Dr. Patil Prashant. Descriptive and Inferential are types of statistics. In Inferential statistics some inference of a Research are made with the help of statistical test.

For qualitative Data assessment Non Parametric tests like Chi square test, Wilcoxon sign rank test- within same group, and Mann whitney 'U' test- in different groups are used.

For quantitative data analysis Parametric test like Students 't' test are used. 'Paired t test' for paired data i.e. within same group and 'Unpaired t test' for unpaired data like in 2 different groups.

ANOVA test is used when more than 2 group are present. 'Z' test is used for large sample size when data follows normal distribution.

Dr.Varsharani Chaudhari conducted a next lecture on "Writing Research protocol" A Research Protocol is a formal written record that one prepared Before research fieldwork is undertaken.

Research protocol is a document that sates the background, objectives, rationale, design, methodology and statistical consideration of the study.

Contents of research protocol are- Title, Introduction (Research Question & Hypothesis, Rationale of study), Aim & Objectives, Literature Review, Methodology (Research Design), Data collection, Analysis and Interpretation Methods, Ethical consideration, Study Time Frame, Reference style, Bibliography, List of Abbreviation, Budget, Annexure are very well elaborated by Dr. Chaudhari.

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Analysis of observed and collected data is the important step in research. It needs computer assistance: So the lecture on "Computer Assistance in Data Analysis- Excel" was taken by Dr. Shilpa Badhe. Data definition, types of data, Measures of Central tendency and Test of





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significance was explained by her with the help of a computer. Use of Excel software for data entry and simple analysis was demonstrated by Badhe madam.

The "Group activity" was conducted by Dr.Shilpa Badhe madam for the topics covered in workshop. Groups were given different study types and asked to find the appropriate sample method for study. Simple random sampling, Systematic sampling are used for RCT. Purposive sampling when study population is very small. Cluster for Cohort etc. Then with the help of a Sample size determination formula, groups were come with their appropriate sample size depending upon type of study. Groups were advised to make a Research protocol with its appropriate content for chosen study type. Hands on training of use of Excel software was conducted with its demonstration like- Open file, then table of data, go to your file, choose excel sheet, then choose test finally make an analysis of test.

At end of the workshop vote of thanks was offered by Dr. Shilpa Badhe madam. Students took part in a workshop very enthusiastically and noted positive response, that this workshop will definitely help them for conducting a Research in medical field in their student life and also onwards.

Workshop Coordinator

Dr.Shilpa Badhe. HGB & PROFESSOR Dept. of Shalyatantra SM6T Avarved College & Hospital Onemongaon Vallgotpuri, Dist.Nashik



Dr. Pradcep Bhabad. Principal SMB.TAyurved College & Hospital Smd With Diamanaon Milanovi Dir Natik



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## Basic Workshop in Research Methodology **Programme Schedule** SMBT Ayurved College and Hospital,

Venue &Organizer;

Date: 01/04/2018

Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

	3rd year BAMS (8)	Batch)		Year 2017-18			
5.N	Торіс	Method	Time (Min.)	Speaker	Time		
1	Inauguration	TT AVA	15		08:00 am to 08:15 am		
2	L-1: Experimental studies	Lecture	60	Dr. Ankush Gunjal	08:15 am 08:15 am to 09:15 am		
3	L-2 : Sampling method and sample size	Lecture	90	Dr. Shipla Badhe	09:15 am to 10:45 am		
4	L-3: Inferential statistics	Lecture	60	Dr. Prashant Patil	10:45 pm to 11:45 am		
5	L-4: Writing research protocol	Lecture	90	Dr. Vərsharani Chaudhari	11:45 am to 01:15 pm		
6	Lunch		45		01:15 pm to 02:00 pm		
7	L-5: Computer assistance in data analysis Excel	Lecture Demo	90	Dr. Shilpa Badhe	02:00 pm to 03:30 pm		
8	GA-1: Group Activity	Group Activity	90	Dr. Shilpa Badhe	03:30 pm to 05:00 pm		

**Details of Faculties:** 

Sr. No,	Name of Faculty	Designation	Department	College
01	Dr. Varsharani Chaudhari	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
02	Dr. Prashant Patil	Asst. Professor	Prasutitantra evam Strirog	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
03	Dr. Ankush Gunjal	Asst. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
04	Dr. Shilpa Badhe	Professor	Shalyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik



	Attendance for Research Methodology Workshop Third Year Batch-B-(01-04-2018)									
Sr No	Name Of Student	•	•	services	Session G	Station	Serça			
1	Deore Chaitali Sardar	2	P	P	P	p	P			
2	Devre Snehal Nimba	ρ	P	p	ρ	p	ρ			
3	Jadhav Jayraj Jagdish	P	ρ	P	p	ρ	þ			
4	Kakad Chaitali Dnyaneshwar	P	ρ	P	ρ	ρ	ρ			
5	Kapare Akshay Rohidas	P	Ρ	P	p	ρ	p			
6	Kokate Poonam Sudhakar	P	P	P	P	ρ	P P			
7	Nandagawli Prednya Bhaurao	P	P	P	P	Р	P			
8	Narode Jayshree Shobhachand	Q	р	ρ	ρ	P	P			
9	Panpatil Priyanka Tukaram	P	р	P	P	P	Γp			
10	Patil Dhananjay Shriram	P	ρ	p	ρ	P	ρ			
11	Patil Sharayu Sunil	P	ρ	p	р	P	P			
12	Patil Tejaswini Ambadas	P	ρ	P	ρ	ρ	P			
13	Pawar Chetan Devidas	Р	P	ρ	p	ρ	P			
14	Rathod Rupali Hiraman	P	ρ	P	P	P	ρ			
15	Salunke Prajakta Kiran	P	ρ	P	ĺρ	P	P			
16	Singh Preeti Kunwar	P	ρ	ρ	ΓP	P	ρ			
17	Siraskar Supriya Chandrakant	P	ρ	ρ	ρ	ρ	P			
18	Suryawanshi Subhash Namdeo	ρ	ρ	ρ	Γp	P	P			
19	Thorat Prajakta Navnath	p	ρ.	p	p	ρ	P			
20	Walzade Kanchan Anil	ρ	ρ	ρ	p	P	P			

# Attendance for Research Methodology Workshop Third Year



MBT Averved College & Hospital Ohamangaon, Tallgatpuri, Disr. Nashit,

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(An ISO 9001:2015 Certified Institute)

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Approved by Combat Council of Indian Medicine, New Delhi & Ministry of AYUSH (Gov), of India) Amiliated to Maharashtra University of Health Science, Nashik

# SMBT Ayurved College & Post Graduate Center

## Dhamangaon, Tal. Igatpuri Dist Nashik 422403

Date:-3 /08/2018

## Basic Workshop in Research Methodology Report 30<sup>th</sup> July to 01<sup>st</sup> Aug 2018.

A Research Methodology Workshop was conducted at SMBT Ayurved College & Post Graduate Center, Dhamangaon, Nashik from 30<sup>th</sup> July to 01<sup>st</sup> Aug 2018. This workshop was organized by the P.G.Department.

This workshop was started with lamp lightening and inauguration Ceremony by Hon. Director Dr.Vasant Pawar, Hon Principal Dr.Pradeep Bhabad SMBT Ayurved College & Post Graduate Center; Hon. Dean Dr. Vasishtha SMBT Medical College; Hon. Dean SMBT Dental College Dr. Kiran Jagtap; P.G. Coordinator Mrs. Dr. Shilpa Badhe.

## Following faculty addressed key issues in Research Methodology:

**1.** Dr. Aashish Banginwar :- Professor & H.O.D Dept of Community Medicines SMBT Medical college, Dhamangaon. Nashik.

2. Dr. Amit Gujrathi :-Associate Professor, Dept of Community Medicines SMBT Medical college, Dhamangaon. Nashik.

3. Dr. Vaibhav Phartale: Associate Professor - Department of Kayachikitsa, SSAM & H Nashik

4. Dr. Kiran Shinde :- Assistant Professor-Department of Kaumarbhritya , SSAM & H Nashik

5. Dr. Rutuja Pundkar :- Associate
Professor - Departmetn of Community
Medicines, SMBT Medical College, Nashik
6 Dr. Sanjay Khedekar :- Associate
Professor - Departmetn of Rasashastra &
Bhaijya kalpana, SSAM& H Nashik

7. Dr. Pawar Parashuram :- Professor -Department of Dravyaguna SSAM&H, Nashik.

8. Dr. Manasi Padhyegujar :- Professor -Department of Community Medicines SMBT Medical College, Nashik

9. Dr. Triveni Kale :- Professor & HOD Periodontics, KBH Dental College, Nashik

 Dr. Shekhar Padhyegujar :- Professor -Department of Community Medicines
 SMBT Medical College, Nashik

11. Dr. Rakesh Patil :- Associate Professor
 Department of Community Medicines
 NDMVP Medical College, Nashik

Nandi-Hills, Sinnar-Ghoti Highway, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422 403 Tel. Ph.: (02553) - 282341, Fax No. : (02553) 282300

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#### Details:

- 1. All 50 participants actively participated in this workshop.
- 2. We fixed morning entry signature time between 09.00 a.m. to 09.30 a.m. sharp and evening session signature as per schedule.
- 3. Total 18 hrs scheduled was also followed.

All the sessions as per schedule were successfully conducted with mentioned time bound schedule as per approved by IMETIT.

This workshop was a grand success in terms of knowledge gained by the participants. It was assessed by Pre and Post test questionnaires. Workshop was concluded with thanks giving Ceremony.

This workshop was conducted successfully under Guidance of Principal Dr.Pradeep Bhabad Sir, P.G. Coordinator Dr. Shilpa Badhe, Workshop Coordinator Dr. Gunjal Ankush, Dr. Chaudhari Varsharani, Dr. Prashant Patil, Dr. Pallavi Nikam

Workshop Co-ordinator Vd. Ankush Gunjal (1) 7359117691 Mdr.ankush30@gmail.com,



PRINCIPAL SMBT Ayurved college & Hospital Nandi Hills, Dhamangaon, Nashik Smbtayurved@gmail.com

Principal S.M.B.T.Ayurved College & Hospital Nandi-Hills,Dhamangaon,Tal Jy:::puri,Dist.Nashik.

Nandi-Hills, Sinnar-Ghoti Highway, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422 403 Tel. Ph.: (02553) - 282341, Fax No. : (02553) 282300 SMBT Sevabhavi Trust's

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### Basic Workshop in Research Methodology **Programme Schedule**

Venue & Organizer:

SMBT Ayurved College and Hospital,

Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

Number of participants: 50

#### DAY ONE - Date: 30.07.2018, Monday

S. N	Topic	Method	Time (Min.)	Speaker	Time
1	Registration, Breakfast and Pre -Test				09:00 am to 10:00 am
2	L-1: Introduction to Research Methodology	Lecture	45	Dr. Aashish Bangiwar	10:00 am to 10:45 am
3	L-2 : Study Designs-1: Descriptive studies	Lecture	45	Dr. Amit Gujarathi	10:45 am to 11:30 am
4	Tea		15		11:30 am to 11:45 am
5	L-3 : Study designs-2: Case Control and Cohort Studies	Lecture	45	Dr.Manasi Padhye gujar	11:45 am to 12:30 pm
6	L-4 : Study Designs-3: Experimental studies	Lecture	45	Dr. Vaibhav Phartale	12:30 pm to 01:15 pm
7	Lunch		30		01:15 pm to 01:45 pm
8	<ul> <li>Group Activity-1: Participants will be divided into 4 -5 groups.</li> <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> <li>(Tea may be served during group activity)</li> </ul>	Group Activity	90	Dr. Kiran Shinde Dr. Vaibhav Phartale	01:45 pm to 03:15 pm
9	L-5: Types of Data and Data Presentation	Lecture	75	Dr. Kiran Shinde	03:00 pm to 04:15 pm
0	L-6: Literature search	Lecture	45	Dr. Rutuja Pundakar	04:15 pm to 05:00 pm



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## Basic Workshop in Research Methodology Programme Schedule

Venue & Organizer:

SMBT Ayurved College and Hospital,

Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

Number of participants: 50

## DAY TWO - Date: 31.07.2018, Tuesday

S. N	Торіс	Method	Time (Min.)	Speaker	Time
1	Breakfast & Tea		()	1	09:00 am to 09:30 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	Group Activity	45	Dr. Rutuja Pundakar, Dr. Amit Gujarathi	09:30 am to 10:15 am
3	L-7: Sampling: Methods & Sample size	Lecture Demo	60	Dr. Manasi Padhyegujar	10:15 am to 11:15 am
4	<ul> <li>Group Activity-3: Participants will divide into groups as in GA-1. Each group will discuss and present</li> <li>Sampling method adopted for the study / studies selected in GA-1</li> <li>Discuss and present sample size determined for the study</li> <li>Present at least 3 dummy tables generated (Tea shall be served during group activity)</li> </ul>	Group Activity	75	Dr. Sanjay Khedekar& Dr. Kiran Shinde.	11:15 am to 12: 30 pm
5	L-8: Inferential Statistics	Lecture	60	Dr. Shekhar Padhyegujar	12:30 pm to 01:30 pm
6	Lunch		30		01:30 pm to 02:00 pm
7	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.	Group Work	45	Dr. Shekhar Padhyegujar ,Dr. Manasi Padhyegujar	02:00 pm to 02:45 pm
8	L-9: Questionnaire Designing	Lecture	60	Dr. Parshuram Pawar	02:45 pm to 03:45 pm
9	Теа	1200	15		03:45 pm to 04:00 pm
10	L-10: Writing a research protocol	Lecture	60	Dr. Triveni Kale	04:00 pm to 05:00 pm



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## Basic Workshop in Research Methodology Programme Schedule

Venue del gancier

SMBT Agurved College and Hospital, Wandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

Number of garticipanes: 540

#### DAY THREE - Date: 01.08.2018, Wednesday.

S.N	Topic	Method	Time (Min)	Speaker	Time
I	Breakfast & Tea		()		09:00 am to 09:30 am
2	L-II: Ethical Issues In Medical Research Groups will present ethical issues in their respective studies	Lecture and Group activity	75	Dr. Parshuram Pawar	09:30 am to 10:45 am
3	Tea		15		10:45 am to 11:00 am
4	L-12: Evaluation of a diagnostic test	Lecture	60	Dr. Shekhar Padhyegujar	11:00 am to 12:00 pm
5	L-13: Critical Evaluation of Journal Article	Lecture	75	Dr. Sanjay Khedekar	12:00pm to 01:15 pm
6	Lunch		30		01:15 pm to 01:45 pm
7	GA-5: Two journal articles (different study designs) will be presented and discussed by members. (Tea shall be served during the	Group activity	75	Dr. Sanjay Khedekar	01:45 pm to 03:00 pm
8	group activity.) L-14: Qualitative research methods	Lecture	45	Dr. Rakesh Patil	03:00 pm to 03:45 pm
9	L-15: Computer assistance in Data Analysis Excel and EPI Info.	Lecture	45	Dr. Rakesh Patil, Dr. Shekhar Padhyegujar	03:45 pm to 04:30 pm
10	Post - Test and Valedictory				04:30 pm to 05:00pm

As Per Guidelines of IMETIT we organize Approved Faculty Members on each day of program: Faculty members are as follows:

Dr. Parshwram Pawar:- (Shree Saptashrungi Ayurved Mahavidyalay& Hospital, Nashik) Dr. Rakesh Patile- Dr. Vasantrao Pawar Medical College, Hospital research Center, Nashik. Dr. Vaibhav Phartale :-(Shree Saptashrungi Ayurved Mahavidyalay& Hospital, Nashik) Dr. Kiran Shinde :-(Shree Saptashrungi Ayurved Mahavidyalay& Hospital, Nashik)



## LIST OF CARDIDATES FOR BSAIC WORKSHOP IN RESEARCH METHODOLGY

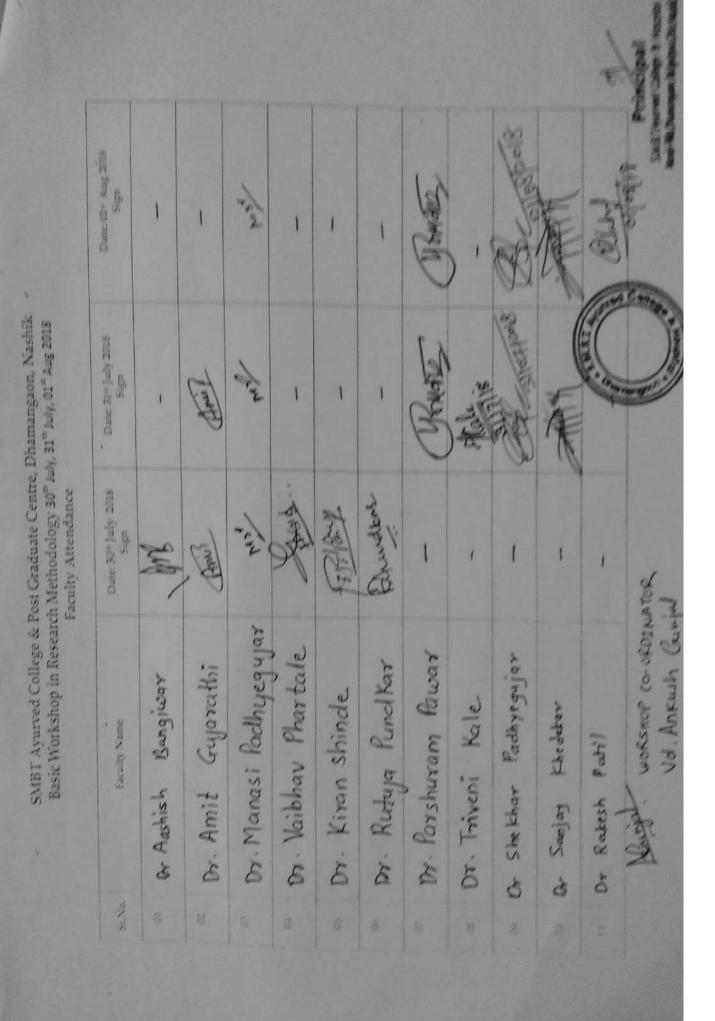
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SMBT Ayurved College & Post Graduate Centre, Dhamangaon, Nashik.

Scheduled on 30th July, 31th July & 01st Aug. 2018

#### Attendance Date 30/07/2018 Date 31/07/2018 Date 01/08/2018 SR. NAME OF CANDIDATES Signs Signa Signs NO. Morning Evening Morning Evening Evening Morning AKASH BALUSING PARADESHI Aler Nez 1 ANIKET SHAM AMBEKAR 2 Aturath Ashusath Shesah Ahurah ANKITA DADABHAI SHIRSATH Ashereath Alusath 3 Edita Enlerter ZANEELO Contextor Sulerta minto ANKITA KISHOR POWLE 4 Concerning. Pharanay Shurned many paway BHAVANA YOGESH GANGURDE Audhut Andhut Andhut Audhut Andhut Avellant AVDHUT PRADIP AHER 6 Estando Standa Blande Sande Jando Stemple BHAVANA SUMIT DANDE 7 umak aular ALLIAS runal mar alliaz DIVYA PRAKASH PAWAR 8 VErals male Whale thale male **KAJAL TUSHAR FIRKE** 9 they KALPANA KUNDALIK GOLEY Belly Wells 10 KAY aranton graffin KARAN GOPINATH PATOLE 11 ar Klateured 12 KARUNA PRASAD PENTEWAD Deferent 640 Ale are de etter 104 100 Veder KETAKI PRAVIN DESHMUKH 13 Hartach Jakahr Hallon LOKESH HIRALAL PATANKAR Hatalar 14 ARDO MADHAVI GOVERDHANDAS Rod Kebde 2.2 Wedde Acad MX 15 BHADECH H. SyMohile H.p. Holite HIP Holile 13. Mohile No Aldrile 4.D. Alotile MANJIRI DINESH MOHITE 16 MAYUR ANKUSH KHAPARE per MAYURI BALASAHEB PAWAR 18 N was Wa WA thes was MAYURI RAMDAS AVHAD 19 10 Ary Hoyam Kayuns MAYURI SHIVAJIRAO PATWARI 20 Paka Roxd aloxo loxa NARENDRA PRAFULLA RAKA 21 Atolenan Atthine Aline NARENDRA RATAN AHIRE 22 NUKYP.L. Nexy P.C. NUKY PC. MaryPl NIKUNJ PRADIP GUJRATHI Augopa. 23 NUCH. L. WUS un Mult ONKAR SURYAKANT JADHAV 24 IWC mbeller Amberray Ambeler mau Bribeler Ambere PALLAVI SANJAY AMBEKAR 25 PANKAJ ASHOK SONGIRE 26

	NAME OF CANDIDATES	Date 30/07/2018 Signs		and the second se	/07/2018 805	Date 01/08/2018 Signs		
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29	PRITI DINKAR RINDHE	Doubt	given	- gover	guet.	giver.	Dinell	
30	PRITI RAMDASJI WANKHEDE	Aluter	pulut	pun	puter	plu	plut	
31	PRITILATA RAMESH TALE	PROF	Rey	PT-	PAR	9F64	Mak	
32	PRIYANKA PANJABRAO TEKALE	Bekale	Retale	Petcale	Adale	Rekalo	Pepale	
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34	PRIYANKA RAJESHWARRAO UKHALIKAR	Running	Penalior		genericsf	Penning	firen	
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42	SUNITA PARMESHWAR BHUSARI	Nor'	NO.	Ar .	XS-	X	XV.	
43	SUPRABHA SHARAD KARWA	Sharwa	harwa	& conve	Horeg	Harry	Harris	
44	TEJAS JAYPAL KAQAM	TIK	me	TIC	TIE	TE	the	
45	TEJAS SHIVAJI DATE	Fate	Fare	Fate	Fate	200	Fate	
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Vd. Ankush Gunjal smbtayurved @gmail.com							& Hospital	



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2018 **SMB** Date ID" Aug 2016 Fign 1274 Basic Workshop in Research Methodology 30th July, 31th July, 01th Aug 2018 Date 30th July 2018 in the 1 TR Faculty Attendance Phundlewin Date 30% July 2018 Amult SCH 1 1 WORKHOP CO-URDINATUR 2 5 vol. Annush Gumpa Mangsi Padhyequjar Shekhar Padhyegujar Bangiwar (ujarathi Phartale Dr. Parshuram Pawar Sanjay Khedekar Rutuja Pundkar Dr. Triven: Kale Faculty Name Patri x Shinde Dr. Agshish Vai bhav Amit' kiran Rakesh 140M 02. 3 3 3 5 3 3 3 Sr.Na. 10 B 10 8 8 3 13 8 8 10 -

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## SMBT Savabhavi Trust's

Nandihilis, Dhamangaon-Ghoti. Tal. Igatpuri. Nashik-422403 Ph. (02653) 28234 1 Email : principal.ayurved@smbt.edu.in [ smbtayurved@gmail.com | www.smbt.adu.in

#### 22/03/2019

#### CIRCULAR

- HSET Committee of SMBT Ayurved College and Hospital is conducting a Basic Research Methodology Workshop for UG students to add knowledge regarding Research. The batches for students are as follows
- 2) A) First year batch A & B
  - B) Second year batch A & B
  - C) Third year batch A & B
- Schedule Date 31/03/2019 for Batch 'A'- First, Second & Third year students. 7/04/2019 for Batch 'B'- First, Second & Third year students.

Venue - Year wise respective classrooms

4) Please note Brochure, Schedule and Batches displayed on Notice Board.



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# SMBT AYURVED COLLEGE AND HOSPITAL

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#### Date- 3/04/2019

#### EMAL CRAFT MARBASIC RESEARCH METHODOLOGY WORKSHOP REPORT

SMBT Ayurved College and hospital has arranged a workshop on Basic Research Methodology on dated 31<sup>st</sup> March 2019. The workshop was organized for first year UG students by the HSET Cell of college. Inauguration and Lamp lightening was done by workshop coordinator Dr. Shilpa Badhe madam. The motto behind the conduction of such workshop was to train students in the field of Research. The need of such training was explained by Dr. Badhe madam. Introduction of Speakers was done by Dr. Varsharani Chaudhari madam. The workshop was conducted on Sunday without hampering the curriculum of students.

Aim of conduction of Basic Research Methodology workshop for UG students to give basic knowledge about the Research and train them as per, so that they can conduct evidence based research in the field of Ayurveda from the very start of their UG course.

Participants- First year UG - Batch 'A' 30 students.

Completed Workshop- Out of 30 students ,29 completed workshop successfully,

In the first lecture of workshop Dr. Varshrani Chaudhari addresses the participants with topic "Introduction to Research Methodology". Definition of Research, Evolution of Medical Research, Ayurveda terms for research like Anusandhana, Anveshana, Gaveshana, Paryeshana, Shodha etc. were explained by her. RESEARCH can be comprised in to

- R- Rethinking
- E-Experimental method
- S-Survey
- E- Evaluation
- A- Age, Altitude, Aptitude
- R- Recognition
- C- Current affairs
- H-Head, Heart, Hand & Health.





# SMBT AYURVED COLLEGE AND HOSPITAL

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"Research Methodology- It is defined as a highly intellectual human activity used in the investigation of Nature and Matter & deals with the manner in which data is collected, analyzed and interpreted". Aim of research is finding out the new facts of verification of the old facts to follow the appropriate knowledge, so we can get better quality of knowledge. Characteristic of good research are as follows-

- F- Feasible.
- I- Interesting
- N- Novel
- E- Ethical

and the second of the Relevant to the Called as FINER criteria for research. A state of the second second

The next lecture "Types of Research" was taken by Dr. Patil Prashant. Two type Researches are-

1] Perspective:- Cause to effect

Retrospective:- Effect to Cause.

2] Observational:- Observations are made on small number group of patients.

Interventional:- Some interventions are made and outcome is monitored.

section and 3] Descriptive:- Various types of survey, inquiry are included.

Analytical:- Researcher use information which is already available and analyze these to make a critical evaluation.

4 Pre-clinical:- Drug trial and animal studies.

Clinical:- Interventional and experimental studies. Human subjects are involved.

5] Qualitative:- Used for qualitative data like health, quality of life.

Quantitative:- Used for measurable data.

6] Clinical:- Observational are Case report and case series where Interventional are Clinical trials.





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Epidemiological- Observational are Cohort, Cross sectional, Case control studies. Interventional are Field surveys.

Third lecture of the workshop "Literature Search" was taken by Dr. Shilpa Badhe. She talked about the sources and types of literature search. Academic text books, Journal articles and literature available on Internet are the sources. Traditional, Systemic, Meta-analysis and Meta – synthesis are the types of literature search. DHARA, AYUSH portal and Pubmed, Google Scholar are some literature search engines available on internet. "And, Or and Not" are Bulleaon words used in online literature search. Literature search helps researcher to find the knowledge gap and can adopt same methodology from previous researches for a new one.

Dr. Prashant Patil conducted a lecture on "Qualitative Research". It is a collection, analysis and interpretation of data by what people do and say. It is a subjective research. Types 'of Qualitative Research' are Interview, Focus Group Discussion and participant Observation Techniques. Characteristics and the difference between Qualitative and Quantitative research, advantages and disadvantages of Qualitative research was explained very well by him.

The second last lecture of the workshop was taken by Dr.Ankush Gunjal on "Questionnaire Designing". Questionnaire is depends on the type of study design. Types of Questionnaire- 2 types. Open Ended- where respondent expresses fillings freely. No predefined answers in this type. Close ended – In this type researcher provides 'with option form' to participants and participants have to choose the answer from predefined answers. Principles of Questionnaire designing, Strength and Limitation of Questionnaire designing, Validity and Reliability was discussed in the lecture.

At the end of the workshop, "Group Activity" was taken over the topics covered in lectures. Dr. Prashant Patil took an activity. Students were divided in to three groups. Groups were motivated to scarch a literature research topic in text books and on internet. Then make a questionnaire related to topic. Students made search about the Prakruti-Paraikshana according to Ayurveda in Charak, Vagbhata and Sushtura Samhitas. They used Pubmed, Google Scholar engine for literature search. All groups developed a questionnaire related to 'Finding a Prakruti' of a Person in general. Students enjoyed the activity and developed their own questionnaire.





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At last the vote of thanks was provided by Dr. Prashant Patil. Students noted positive response about the workshop.

Workshop Coordinator

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Dr. Shilpa Badhe. HOD & ROFESSOR Deal. of Shalyatantr SMOTAyu College & Hospital Dhamangao, autophysiDist.Nashik

Principal

Dr. Pradeep Bhabad. Principal SM8.TAyurved College & Hospital Nardi-Hilk Diamangaon, allgatport Ostillada.



#### SMBT Sevenhavi Trust's SMBT AYURVED COLLEGE AND HOSPITAL

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## Basic Workshop in Research Methodology Programme Schedule

Venue &Organizer:

SMBT Ayurved College and Hospital,

Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

Date: 31/03/2019

1<sup>st</sup> year BAMS (Batch A)

Year 2018-19

S.N	Topic	Method	Time (Min.)	Speaker	Time
1	Inauguration		15		08:00 am to 08:15 am
2	L-1: Introduction to Research Methodology	Lecture	60	Dr. Varsharani Chaudhari	08:15 am to 09:15 am
3	L-2 : Types of research	Lecture	60	Dr. Prashant Patil	09:15 am to 10:15 am
4	L-3: Literature search	Lecture	90	Dr. Badhe Shilpa	10:15 pm to 11:45 am
5	L-4: Qualitative Research	Lecture	90	Dr. Prashant Patil	11:45 am to 01:15 pm
6	Lunch		45		01:15 pm to 02:00 pm
7	L-4: Questionnaire	Lecture	<b>\$</b> 0	Dr. Gunjal Ankush	02:00 pm to 03:30 pm
8	GA-1: Group Activity	Group Activity	90	Dr. Prashant Patil	03:30 pm to 05:00 pm

Details of Faculties:

Sr. No,	Name of Faculty	Designation	Department	College
01	Dr. Varsharani Chaudhari	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
02	Dr. Prashant Patil	Asst. Professor	Prasutitantra evam Strirog	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
03	Dr. Ankush Gunjal	Asst. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
04	Dr. Shilpa Badhe	Professor	Shalyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik

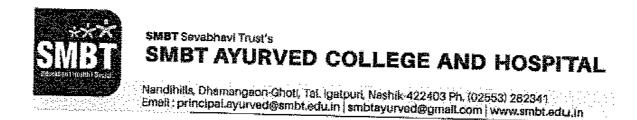


Attendance for Research Methodology Workshop First Year										
	Batch-A-(31-03-2019)									
Sr No	Name Of Student			7		2	6			
1	ANSARI TANVEER AHEMAD MOHD AYYUB	P	P	<u> </u>	P	P	P			
2	BADODKAR SAVYASACHI SANJAY	р	P	P	<u>P</u>	P	<u> </u>			
3	BARTAKKE DURVA AJIT	<u> </u>	P	P	P	P	P			
4	BELKADE DHANASHREE PRAKASH	P	Р	P	<u> </u>	р	P			
5	BHAGAT YASH PRABHAKAR	P	P	<u> </u>	7	P	P			
6	BHARATI JAYPRAKASH MAROTI	P	ρ	P	2	9	P			
7	BHOIR DHANASHRI VASUDEV	Р	9	р	ρ	9	9			
8	BHONE AYUSHA PRAMOD	P	P	P	.P.	P	P			
9	BHUJBAL NEHA JAGANNATH	P	P	P	P	P	P			
10	BODKE PARAG RAJENDRA	р	P	P	P	P	P			
11	CHATE SHRADDHA DEVIDAS	P	P	P	P	9	ρ			
12	CHAUDHARI SHAMIKA NITIN	Р	P	P	P	P	P			
13	CHAVHAN SHRADDHA DILIP	P	P	Ρ	P	p	P			
14	CHOUDHARY SAMRUDHI ASHOK	A	ρ	P	P	8	R			
15	CHOURE SUMATI VASANTRAO	p	P	P	ρ	P	ρ			
16	DESHMUKH MRUNMAYEE DIWAKAR	ρ	P	P	P	P	P			
17	DHANWADE PRATIKSHA SAMBHAJI	2	P	р	P	P	P			
18	DHUMAL VISWAJEET VIJAYKUMAR	P	P	P	P	P	p			
19	DIVEKAR GAYATRI PRASAD	ρ	P	f	p	р	P			
20	HANKARE PRANJALI SUDHAKAR	Ρ	P	P	P	P	ρ			
21	HARNE PREETI YOGESH	P	P	p	P	P	P			
22	HIRAVE BHAGYASHREE SUKHADEV	P	P	p	1 P	ρ	P			
23	INGLE KOMAL ANIL	P	P	ρ	P	P	Γp			
24	INGLE SHRIDHAR DATTA	ρ	P	р	P	р	12			
25	JEUGHALE NIKHIL VASANT	ρ	P	ρ	P	p	P			
26	KAJALE NIKHILKUMAR VISHNUDAS	P	ρ	ρ	P	p	P			
27	KATHER PRAJWAL BAJIRAO	P	P	р	P	р	ρ			
28	KENDRE VIVEK VINAYAK	P	P	P	P	Ρ	P			
29	KHAN MOHAMMAD IZAN MAHEFUJ	P	Ρ	P	P	P	P			
30	KHANDEKAR SHAMA SHARAD	P	P	P	P	P	P			

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**Course Coordinator** 



#### Date- 01/04/2019

## BASIC RESEARCH METHODOLOGY WORKSHOP REPORT

SMBT Ayurved college and hospital has arranged a workshop on Basic Research Methodology on dated 31<sup>th</sup> March 2019 for Third year students. The workshop was organized by the HSET Cell of college. Inauguration and Lamp lightening was done by Workshop coordinator Dr. Shilpa Badhe madam. The motto behind the conduction of such workshop was to train students in the field of Research. The need of such training was explained by Dr. Badhe madam. Introduction of Speakers and description of schedule was done by Dr. Varsharani Chaudhari madam. The workshop was conducted on Sunday without hampering the curriculum of students.

Aim of conduction of Basic Research Methodology workshop for UG students to give basic knowledge about the Research and train them as per, so that they can conduct evidence based research in the field of Ayurveda from the very start of their UG course.

Participants- Third year UG - Batch 'A' 30 students.

Completed Workshop- Out of 30 students ,29 completed workshop successfully.

The first lecture was delivered by Dr.Ankush Gunjal on "Experimental Studies". Types of Experimental studies are- Animal study, Human trials- Randomized Controlled Trial/RCT, Field trial and Community trial. Difference between study population and target population. Types of variable like Dependent and Independent Variables. Importance of Matching, Bias in matching and matching criteria's. To avoid bias Masking or Blinding is done. Types of blinding- Single, Double & Triple blind study. Four phases of Clinical research are also well explained by him.

Next to this Dr. Shilpa Badhe conducted a session on "Sampling Methods and Sample Size". Size and method of sample for any research work is dependent on the type of a study. Sample is drawn from the target population. Two types of sampling are Random / Probability sampling and Non Random / Non Probability sampling.

Probability sampling in which every unit in the study population has equal chance of being selected as a sample.

Non Probability sampling in which some units of population have no chance of selection in a sample.





# SMBT Seven AYURVED COLLEGE AND HOSPITAL

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Simple random, Systematic, Stratified, Cluster, Multistage and Multiphase sampling are the types of Probability sampling.

Purposive, Quota, Convenience and Snowball sampling are the types of Non Probability sampling.

Dr.Badhe madam elaborated the concept of determination of sample size for different research types.

The lecture of "Inferential Statistics" was delivered by Dr. Patil Prashant. Descriptive and Inferential are types of statistics. In Inferential statistics some inference of a Research are made with the help of statistical test.

For qualitative Data assessment Non Parametric tests like Chi square test, Wilcoxon sign rank test- within same group, and Mann whitney 'U' test- in different groups are used.

For quantitative data analysis Parametric test like Students 't' test are used. 'Paired t test' for paired data i.e. within same group and 'Unpaired t test' for unpaired data like in 2 different groups.

ANOVA test is used when more than 2 group are present. 'Z' test is used for large sample size when data follows normal distribution.

Dr.Varsharani Chaudhari conducted a next lecture on "Writing Research protocol" A Research Protocol is a formal written record that one prepared Before research fieldwork is undertaken.

Research protocol is a document that sales the background, objectives, rationale, design, methodology and statistical consideration of the study.

Contents of research protocol are- Title, Introduction (Research Question & Hypothesis, Rationale of study), Aim & Objectives, Literature Review, Methodology (Research Design), Data collection, Analysis and Interpretation Methods, Ethical consideration, Study Time Frame, Reference style, Bibliography, List of Abbreviation, Budget, Annexure are very well elaborated by Dr. Chaudhari.

Analysis of observed and collected data is the important step in research. It needs computer because is (assistance: So the lecture on "Computer Assistance in Data Analysis- Excel" was taken by Dr. Shilpa Badhe. Data definition, types of data, Measures of Central tendency and Test of





#### SMBT Sevabhavi Trust's SMBT AYURVED COLLEGE AND HOSPITAL

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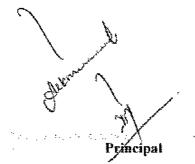
significance was explained by her with the help of a computer. Use of Excel software for data entry and simple analysis was demonstrated by Badhe madam.

The "Group activity" was conducted by Dr.Shilpa Badhe madam for the topics covered in workshop. Groups were given different study types and asked to find the appropriate sample method for study. Simple random sampling, Systematic sampling are used for RCT. Purposive sampling when study population is very small. Cluster for Cohort etc. Then with the help of a Sample size determination formula, groups were come with their appropriate sample size depending upon type of study. Groups were advised to make a Research protocol with its appropriate content for chosen study type. Hands on training of use of Excel software was conducted with its demonstration like- Open file, then table of data, go to your file, choose excel sheet, then choose test finally make an analysis of test.

At end of the workshop vote of thanks was offered by Dr. Shilpa Badhe madam. Students took part in a workshop very enthusiastically and noted positive response, that this workshop will definitely help them for conducting a Research in medical field in their student life and also onwards.

Workshop Coordinator

Dr.Shilpa Badhc. HOD & PROFESSOR Dept. of Shalyatantra SMST Aynoved College & Hospital Dhamangaon, Talkatouri, Dist.Nash8.



Dr. Pradeep Bhabad. Principal S.M.B.T.Ayurved College & Hospital Nard-Hills, Dhanaryon, ild Japan, Distantik



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#### SMBT Severabhavi Trust's SMBT AYURVED COLLEGE AND HOSPITAL

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### Basic Workshop in Research Methodology Programme Schedule SMBT Ayurved College and Hospital,

Venue & Organizer:

Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

Date: 31/03/2019

3<sup>rd</sup> year BAMS (A Batch)

Year 2018-19

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5.N	Topic	Method	Time (Min.)	Speaker	Time			
1	Inauguration		15		08:00 am to 08:15 am			
2	L-1: Experimental studies	Lecture	60	Dr. Ankush Gunjal	08:15 am to 09:15 am			
145	L-2 : Sampling method and sample size	Lecture	90	Dr. Shipla Badhe	09:15 am to 10:45 am			
4	L-3: Inferential statistics	Lecture	60	Dr. Prashant Patil	10:45 pm to 11:45 am			
5	L-4: Writing research protocol	Lecture	90	Dr. Varsharani Chaudhari	11:45 am to 01:15 pm			
6	Lunch		45		01:15 pm to 02:00 pm			
7	L-5: Computer assistance in data analysis Excel	Lecture Demo	90	Dr. Shilpa Badhe	02:00 pm to 03:30 pm			
8	GA-1: Group Activity	Group Activity	90	Dr. Shilpa Badhe	03:30 pm to 05:00 pm			

**Details of Faculties:** 

Sr. No.	Name of Faculty	Designation	Department	College
01	Dr. Varsharani Chaudhari	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
02	Dr. Prashant Patil	Asst. Professor	Prasutitantra evam Strirog	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
03	Dr. Ankush Gunjal	Asst. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
04	Dr. Shilpa Badhe	Professor	Shaiyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik



Attendance for Research Methodology Workshop Third Year Batch-A-(31-03-2019)							
Sr No	Name Of Student			Luçien	sazion	Scision 5	<u>scos d</u> a
1	AVHAD RIDDHI RAMDAS	ρ	P	P	ρ	p	P
2	CHAUDHARI APEKSHA RAMDAS	P	P	p	p	p P	P
3	DEORE SNEHA RAJENDRA	p	P	p	p	Ð	P
4	DHAWALE DNYANDIPA SURESH	P	P	p	P	P	ρ
5	FAROOQUI UZRA RAIS	ρ	ρ	l p	p	p	P
6	GAGARE SHIVANI SOPAN	P	P	ρ	P	p	Ρ
7	GAIKAR AARTI DEVKISAN	Ρ	P	P	ρ	ρ	ρ
8	GALANDE SUMIT BHAUSAHEB	P	P	ρ	ρ	p	ρ
9	GHODVINDE PRATIKSHA RAVINDRA	ρ	P	P	P	ρ	ρ
10	JADHAV SNEHAL SHRIKANT	ρ	P	P	P	P	\$
11	KADAM ADITI ANIL	ρ	P	P	p	P	p
12	KHABIYA PRANJAL SANJAY	A	4	Å	A	19	A
13	MHALSANE SONALI BALASAHEB	p	P	ρ	p	P	P
14	MIRKUTE VIDHI SHYAM	P	p	P	P	P	P
15	MITHE ROSHANI RAJENDRA	P	ρ	ρ	ρ	P	Ρ.
16	MUTADAK SAYALI SANJEEV	p	P	ρ	ρ	p	ρ
17	NAGARE SONAL RAJENDRA	P	ρ	р	ρ	P	ρ
18	NEVAGI KARISHMA RUKMANAND	P	p	P	P	p	P
19	NIKAM RUTUJA UDAY	P	P	p	ρ	P	ρ
20	PAGAR ANUJA NANA	P	ρ	P	P	p	P
21	PAGAR PRATIBHA CHANDRABHAN	P	p	Р	P	p	P
22	PASHTE KETAKI VISHNU	р	р	ρ	P	p	P
23	PATHAK SUPRIYA SHIVPUJAN	P	р	p	ρ	p	P
24	PATHAN RESHAMA FIROJ	P	p	ρ	ρ	P	P
25	PATIL ANKITA VILAS	P	p	P	P	ρ	ρ
26	PATIL ASHWINI HARICHANDRA	P	P	P	P	P	P
27	PATIL HARSHALI KAILASH	P	ρ	P	p	P	P
28	PATIL KIRTI KASHINATH	P	P	P	p	ρ	Р
29	PATIL MAHESH VIJAY	P	ρ	P	ρ	P	P
30	PATIL SHRIPAD BHAGWANTRAO	P	P	P	p	p	P



Course Coordinator HOO & PROFESSOR Dept. of Shalyatantra SMBT Averved College & Hospital Diamangson, Taligatowi, Dint, Nashik,



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### Date- 01/04/2019

# BASIC RESEARCH METHODOLOGY WORKSHOP REPORT

SMBT Ayurved college and hospital has arranged a workshop on Basic Research Methodology on dated 31<sup>st</sup> March 2019. The workshop was organized for Second year UG students by the HSET Cell of college. Inauguration and Lamp lightening was done by coordinator Dr. Badhe madam. HODs of second year departments were present for the Inauguration of workshop. The motto behind the conduction of such workshop was to train students in the field of Research. The need of such training was explained by Dr. Badhe madam. Introduction of Speakers and description of schedule was done by Dr. Varsharani Chaudhari madam. The workshop was conducted on Sunday without hampering the eurriculum of students.

Aim of conduction of Basic Research Methodology workshop for UG students to give basic knowledge about the Research and train them as per, so that they can conduct evidence based research in the field of Ayurveda from the very start of their UG course.

Participants- Second year UG - Batch 'A' 30 students.

Completed Workshop- Out of 30 students ,28 completed workshop successfully.

On the start of the workshop the lecture about "Descriptive studies" was conducted by Dr. Patil Prashant. Descriptive study is a Observational study where Observations are made on small group of patients. Inquiry type of studies like field survey are included in this type. Can be used for both qualitative and quantitative data. Case Reporting, Case series and longitudinal studies are types of descriptive studies. Case reporting is done in case of rare findings related to any case. Case Series is reporting or publication of a same findings in group of patients. Longitudinal studies are long time consuming studies, Case Control, Cross sectional and Cohort. Descriptive studies are Hypothesis generating studies.

Dr. Varsharani Chaudhari delivered lecture on "Ethical Issues in Medical Research" and focused on some special points. Definition of Ethics Committee- An ethics committee is a committee formally designed to review and approve the initiation of a clinical research study involving Human subjects and to provide continuing review of the research study. Formation and responsibilities if IEC was explained. She explained the ethical issues in medical research like- Principle of essentiality, Precaution & risk minimization, Accountability and Transparency, Vulnerable and Special group, Compensation for research related harm, remuneration for Participant, Ancillary care, Conflict of Interest, Process of Informed Consent and its Importance,





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Privacy and Confidentiality, Distributive Justice, Community Engagement, Post research access and Benefit sharing.

Next day the lecture about "Evaluation of Diagnostic Tests" was delivered by Dr. Shilpa Badhe. Screening and Diagnostic tests are two different modalities to reach up to the final diagnosis of any disease. Screening tests are done in a group of likelihood of presence of disease and Diagnostic tests are done on Screened patients to confirm and make a final diagnosis. Sensitivity is the ability of a test to correctly identify those with disease i.e. True positive rate. Combinations of various tests can be advocated for a diagnosis of disease.

Reliability of test- When results for a test are nearly same for one sample on a single instrument then the results is reliable. Validity of test- When results for a test on different calibrated instrument shows nearly same when compared to standard results then it's a validity of test. The lecture on "Critical Evaluation of Journal-Article" was delivered by Dr.Shilpa Badhe. Critical evaluation of article from UGC indexed Journal on Rutucharya in Aayurveda was taken for consideration.

What to see about Journal- publisher, Section of the Journal, ISSN number, peer reviewed Journal, year of publication, Issue and Volume of Journal, Page No.

What to see about article- Authors, credentials of authors, current position and past experience, area of expertise.

Sec. 6.

What to see in published material- Departure from author's specialty area. Title of article indicated Research Question. Look for meaningful Aim and complete Objectives. Study population, study settings. Abstract within 100-250 words, catchy, not too short or long. Introduction creates rationally for current study. Logical flowing sentences. In methodology-Target population, sample frame, sampling technique used, sample size. Then material and methods like Inclusion, exclusion criteria, statistical analysis and tests used. Results should contain appropriate tables, charts and graphs. Discussion – Interpreting and explaining results obtained. It should be meaningful, highlight the important findings of study, enough explanation and significant thinking, logical and reasoned the results properly. At the end Limitation of study and Conflict of Interest if any.

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In second last session of the workshop Dr. Varsharani Chaudhari conducted a lecture on "Types of Data and Data presentation". Data is collected from Observation Unit in research. Collection of data through: Primary sources- Direct interface with the observational unit. Types of data-Qualitative & Quantitative. Qualitative/ Discrete/ Frequency Continuation Data- Two





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types. Nominal cg. Colours of hair; and Ordinal- Degree of illness. Quantitative Data- Discrete and Continuous data. Discrete data is number used in Mortality, Birth rate etc. Continuous data varies both in characteristic and frequency. Types of Data Presentation- Tabular and Diagrammatic presentation is used for both Qualitative and Quantitative data.

At the end of the workshop, "Group Activity" was taken over the topics covered in theoretical lectures. Dr. Varsharani Chaudhari conducted this activity. Students were divided in different groups. Two article were given for the critical evaluation and students were asked to find the Good and substandard points from these article. Also group activity related to data presentation was taken. Colour of Eyes, Degree of illness, discharge from wound, temperature, BP was taken for consideration and students identified the type of data and presented in a Tabular and Graphical forms.

At end of the workshop vote of thanks was offered by Dr. Varshrani Chaudhari. Students took part in a workshop very enthusiastically and noted positive response. Dr. Shilpa Badhe madam address the students and appreciated their efforts.

Workshop Coordinator

Dr.Shilpa Badhe.

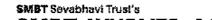
HOD & PROPESSOP Dayst, of Shalyatantra SMST Ayunved College & Hospita Okumangaan, Bilgataan Die Baaduk

C. Electrony

Principal

Dr. Pradcep Bhabad. Principal S.M.8.I.Ayurved College & Hospital Navd-Hilk Diamangam, Mikampuri Din Nashk.





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## Basic Workshop in Research Methodology Programme Schedule SMBT Ayurved College and Hospital,

Venue &Organizer:

Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

#### Date: 31/03/2019

	2 <sup>nd</sup> year BAMS (A Bat	tch)	Year 2018-19				
S.N	Topic	Method	Time (Min.)	Speaker	Time		
1	Inauguration		15		08:00 am to 08:15 am		
2	L-1: Descriptive studies	Lecture	90	Dr. Prashant Patil	08:15 am to 09:45 am		
3	L-2 : Ethical issues in medical research	Lecture	60	Dr. Varsharani Chaudhari	09:45 am to 10:45 am		
4	L-3: Evaluation of diagnostic test	Lecture	60	Dr. Gunjal Ankush	10:45 pm to 11:45 am		
5	L-4: Critical evaluation of journal and articles	Lecture	90	Dr. Badhe Shilpa	11:45 am to 01:15 pm		
6	Lunch		45		01:15 pm to 02:00 pm		
7	L-5: Types of data and data presentation	Lecture	90	Dr. Varsharani Chaudhari	02:00 pm to 03:30 pm		
8	GA-1: Group Activity	Group Activity	90	Dr. Varsharani Chaudhari	03:30 pm to 05:00 pm		

**Details of Faculties:** 

Sr. No.	Name of Faculty	Designation	Department	College
01	Dr. Varsharani Chaudhari	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
<b>0</b> 2	Dr. Prashant Patil	Asst. Professor	Prasutitantra evam Strirog	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
03	Dr. Ankush Gunjal	Asst. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
04	Dr. Shilpa Badhe	Professor	Shalyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik



	Attendance for Research Methodology Workshop Second Year Batch-A-(31-03-2019)									
Sr No	Name Of Student	-03-2013 12:54	1] \$4.55007 2_	station 3	ALPLION					
1	AHER DHANASHREE VASANTRAO	•	ρ	p	p	P	6 P			
2	AHER KOMAL RAIEEV	p	p	p	ρ	ρ	ρ			
3	AHIRE RUTUJA SANJAY	ρ	p	1 0	ρ	ρ	p			
4	BHADANE SHRUTI BHASKAR	ρ	p	ρ	ρ	ρ	P			
5	BHAGWAT MONALI KAILAS	ρ	, D	ρ	ρ	ρ	P			
6	BHERE SHITAL BALKRISHANA	ρ	P	р	ρ	ρ	P			
7	BHOIR ASHWINI ULHAS	ρ	P	ø	p	ρ	p			
8	BHOIR KOMAL MANOHAR	ρ	P	ρ	p	p	p			
9	BOLLAY JASWINDER KAUR KARNAIL SINGH	p	P	ρ	P	ρ	ρ			
10	DANDAWATE AYUSH RAJENDRA	ρ	ρ	ρ	ρ	P	P			
11	DESALE NILESH VILAS	A	P P	A	- <del>1</del>	p	Þ			
12	DESALE VIPUL SANTOSH	A	9	Ĥ	A	Ĥ	Ĥ			
13	DHIKALE GHANSHAM ASHOK	P	ρ	P	P	p	p			
14	DHOLE RHUTUJA SANTOSH	ρ	P	ρ	ρ	Ø	ρ			
15	DOIFODE SHUBHANGI SANJAY	ρ	P	P	P	ρ	P			
16	GADGE AISHWARYA DIPAK	P	p	P	p	ρ	P			
17	GAIKWAD MANASI DILIP	P	р	P	ρ	P	р			
18	GHARAT DIVYA DHANAJI	P	ρ	ρ	P	ρ	P			
19	HALOE ŚWATI TRAMBAK	ρ	ρ	P	ρ	P	Р			
20	JAGALE SNEHA NITIN	ρ	ρ	P	p	p	ρ			
21	JAIN MOHIT SUNIL	ρ	ρ	P	P	р	ρ			
22	JAMDAR MAYURI VASANTRAO	ρ	ρ	P	ρ	р	P			
23	JAYKAR PRAJAKTA EKNATH	P	P	ρ	ρ	p	P			
24	JHA SWETAKUMARI JEETENDRA	ρ	P	ρ	ρ	ρ	Р			
25	KADAM BHAKTI ANIL	ρ	ρ	P	P	P	р			
26	KADUSKAR RUTUJA DAGADU	P	ρ	P	P	p	P			
27	KALE KANCHAN KAILAS	P	P	P	P	p	P			
28	KASLIWAL SAMARTH VIPIN	P	P	P	P	P	P			
29	KESARKAR AKSHATA SUNIL	P	P	ρ	p	P	P			
30	KHATKE CHIRAG SURESH	p	p	P	p	P	P			

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H Course Coordinatoro R Deat. of Shalyatantra SMbT Ayurved College & Hospital Ohamangaon, Bilgatpuri,Dist.Nashik,



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#### Date- 8/04/2019

#### A BARRIER BASIC RESEARCH METHODOLOGY WORKSHOP REPORT

SMBT Ayurved College and hospital has arranged a workshop on Basic Research Methodology on dated 07<sup>th</sup> April 2019. The workshop was organized for first year UG students by the HSET Cell of college. Inauguration and Lamp lightening was done by workshop coordinator Dr. Shilpa Badhe madam. The motto behind the conduction of such workshop was to train students in the field of Research. The need of such training was explained by Dr. Badhe madam. Introduction of Speakers was done by Dr. Varsharani Chaudhari madam. The workshop was conducted on Sunday without hampering the curriculum of students.

Aim of conduction of Basic Research Methodology workshop for UG students to give basic knowledge about the Research and train them as per, so that they can conduct evidence based research in the field of Ayurveda from the very start of their UG course.

Participants- First year UG - Batch 'B' 30 students.

Completed Workshop- All 30 students completed workshop successfully.

In the first lecture of workshop Dr. Varshrani Chaudharí addresses the participants with topic "Introduction to Research Methodology". Definition of Research, Evolution of Medical Research, Ayurveda terms for research like Anusandhana, Anveshana, Gaveshana, Paryeshana, Shodha etc. were explained by her. RESEARCH can be comprised in to

- R- Rethinking
- E- Experimental method
- S- Survey
- E-Evaluation
- A- Age, Altitude, Aptitude
- R- Recognition
- C- Current affairs
- H- Head, Heart, Hand & Health.





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"Research Methodology- It is defined as a highly intellectual human activity used in the investigation of Nature and Matter & deals with the manner in which data is collected, analyzed and interpreted". Aim of research is finding out the new facts or verification of the old facts to follow the appropriate knowledge, so we can get better quality of knowledge. Characteristic of good research are as follows-

- F- Feasible.
- I- Interesting
- N- Novel
- E- Ethical
- R-Relevant...... Called as PINER criteria for research.

The next lecture "Types of Research" was taken by Dr. Patil Prashant. Two type Researches are-

1] Perspective:- Cause to effect

Retrospective:- Effect to Cause.

2] Observational:- Observations are made on small number group of patients.

Interventional:- Some interventions are made and outcome is monitored.

Analytical:- Researcher use information which is already available and analyze these to make a critical evaluation.

4] Pre-clinical:- Drug trial and animal studies.

Clinical- Interventional and experimental studies. Human subjects are involved.

5] Qualitative:- Used for qualitative data like health, quality of life.

Quantitative:- Used for measurable data.

6] Clinical: Observational are Case report and case series where Interventional are Clinical trials.





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Epidemiological- Observational are Cohort, Cross sectional, Case control studies. Interventional are Field surveys.

Third lecture of the workshop "Literature Search" was taken by Dr. Shilpa Badhe. She talked about the sources and types of literature search. Academic text books, Journal articles and literature available on Internet are the sources. Traditional, Systemic, Meta-analysis and Meta – synthesis are the types of literature search. DHARA, AYUSH portal and Pubmed, Google Scholar are some literature search engines available on internet. "And, Or and Not" are Bulleaon words used in online literature search. Literature search helps researcher to find the knowledge gap and can adopt same methodology from previous researches for a new one.

Dr. Prashant Patil conducted a lecture on "Qualitative Research". It is a collection, analysis and interpretation of data by what people do and say. It is a subjective research. Types of Qualitative Research are Interview, Focus Group Discussion and participant Observation Techniques. Characteristics and the difference between Qualitative and Quantitative research, advantages and disadvantages of Qualitative research was explained very well by him.

The second last lecture of the workshop was taken by Dr.Ankush Gunjal on "Questionnaire Designing". Questionnaire is depends on the type of study design. Types of Questionnaire- 2 types. Open Ended- where respondent expresses fillings freely. No predefined answers in this type. Close ended – In this type researcher provides 'with option form' to participants and participants have to choose the answer from predefined answers. Principles of Questionnaire designing, Strength and Limitation of Questionnaire designing, Validity and Reliability was discussed in the lecture.

At the end of the workshop, "Group Activity" was taken over the topics covered in lectures. Dr. Prashant Patil took an activity. Students were divided in to three groups. Groups were motivated to search a literature research topic in text books and on internet. Then make a questionnaire related to topic. Students made search about the **Prakruti-Paraikshana** according to Ayurveda in Charak, Vagbhata and Sushtura Samhitas. They used Pubmed, Google Scholar engine for literature search. All groups developed a questionnaire related to 'Finding a Prakruti' of a Person in general. Students enjoyed the activity and developed their own questionnaire.



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At last the vote of thanks was provided by Dr. Prashant Patil. Students noted positive response about the workshop.

Workshop Coordinator

-10 Br. Shilps Backs OR Dept. of Shalystanira SMBT Ayurved College & Hospital Uhemangaon, Tallgatpun Dist. Mashik.

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Principal

Dr. Pradeep Bhabad.

Principal S.M.B.Tayurved College & Hospital Nandi-Hill Dhamangaon, Bilgatpuni Dist Nashit





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# Basic Workshop in Research Methodology Programme Schedule

Venue &Organizer:

SMBT Ayurved College and Hospital,

Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

Date: 07/04/2019

1<sup>st</sup> year BAMS (B Batch)

Year 2018-19

S.N	Topic	Method	Time (Min.)	Speaker	Time
1	Inauguration		15		08:00 am to 08:15 am
2	L-1: Introduction to Research Methodology	Lecture	60	Dr. Varsharani Chaudhari	08:15 am to 09:15 am
3	L-2 : Types of research	Lecture	60	Dr. Prashant Patil	09:15 am to 10:15 am
4	L-3: Literature search	Lecture	90	Dr. Badhe Shilpa	10:15 pm to 11:45 am
5	L-4: Qualitative Research	Lecture	90	Dr. Prashant Patil	11:45 am to 01:15 pm
6	Lunch		45		01:15 pm to 02:00 pm
7	L-4: Questionnaire	Lecture	<b>\$</b> 0	Dr. Gunjal Ankush	02:00 pm to 03:30 pm
8	GA-1: Group Activity	Group Activity	90	Dr. Prashant Patil	03:30 pm to 05:00 pm

**Details of Faculties:** 

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03	Dr. Ankush Gunjal	Asst. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
04	Dr. Shiipa Badhe	Professor	Shalyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik



Attendance for Research Methodology Workshop First Year Batch-B- (07-04-2019)								
Sr No	Name Of Student	Sension	AC\$\$294	scasion 3	Alista 4	surgion 5	24520	
1	KOKATE SWAPNALI SANTOSHRAO	P	Р	ρ	р	ρ	р	
2	KUKAREJA MANISHA SHANKAR	р	P	р	P	P	P	
3	LONDHE MOHINI VITTHALRAO	P	ρ	P	ρ	ρ	р	
4	MAHAJAN TANAYA YASHWANT	ſ	የ	P	Р	P	P	
5	MALODE DEVIPRASAD KISAN	P	ρ	р	p	P	P	
6	MANDAGE ROHANKUMAR BALKRUSHNA	9	p	p	ρ	P	p	
7	MISHRA SAUMYA SUREŚH	9	P	P	P	Ŷ	р	
8	MULEY KAUSTUBH AVINASH	р	P	P	P	P	р	
9	NAIK SWAPNALI BANDU	P	P	P	Ρ	ρ	9	
10	PATIL KALYANI VIKAS	P	ΓP	P	ρ	Р	P	
11	PATIL MAYURI SANJAY	P	P	P	P	2	P	
12	PATIL OJASWITA SHAHAJI	P	þ	ρ	ρ	ρ	ρ	
13	PATIL PRANALI ISHWAR	ρ	P	P	þ	ρ	P	
14	PATIL SAKSHI KANHAIYALAL	P	ρ	þ	ρ	P	P	
15	PATIL VARSHA RATILAL	P	P	P	P	P	P	
16	PAWAR ANUJA ANIL	p	p	p	P.	P	ρ	
17	PAWAR JANHVI RUSTUM	P	P	P	P	P_	P	
18	SALUNKHE ANIL SHIVAJI	p	p	ρ	P	P	P	
19	SAYAR PRANAV PREMSINGH	P	ρ	ρ	9	Р	P	
20	SHELKE SWATI CHANDRAKANT	P	P	þ	ρ	ρ	ρ	
21	SHINDE NIRANJAN ULHAS	P	р	p	P	p	P	
22	SOLASE NIYATA YASHWANT	P	P	ρ	P	P	₽	
23	THAKARE SHRADDHA PARASHARAM	P	P	P	p	P.	ΙP	
24	THETE OMKAR SOMNATH	P	P	P	P	p	P	
25	TRIBHUVAN YOGESH RAOSAHEB	ρ	P	P	ρ	Γρ	P	
26	UGHADE TRUNALI SUBHASH	P	P.	12	P	P	р	
27	VENGURLEKAR ASHLESHA CHANDRASHEKHAR	P	P	Р	P	P	P	
28	WANKHEDE JIGNESH RAJARAM	Ρ	P	ρ	P	P	P	
29		P	P	P	P	P	P	
30	YEWALE HEMANGI SHIVAJI	p	P	P	P	P	P	

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COURSE CBORDINATOR CR Dest, of Shalyatantra SMBT Ayurved College & Hospital Onamangaon, Taligatawi, Dist. Nashik.



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#### Date- 9/04/2019

#### ADAMA CHAR SHERE BASIC/RESEARCH METHODOLOGY WORKSHOP/REPORTA ARCHAR HER HIDE AND

SMBT Ayurved college and hospital has arranged a workshop on Basic Research Methodology on dated 07<sup>th</sup> April 2019. The workshop was organized for Second year UG students by the HSET Cell of college. Inauguration and Lamp lightening was done by coordinator Dr. Badhe madam. HODs of second year departments were present for the Inauguration of workshop. The motto behind the conduction of such workshop was to train students in the field of Research. The need of such training was explained by Dr. Badhe madam. Introduction of Speakers and description of schedule was done by Dr. Varsharani Chaudhari madam. The workshop was conducted on Sunday without hampering the curriculum of students.

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Participants- Second year UG - Batch 'B' 30 students.

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On the start of the workshop the lecture about "Descriptive studies" was conducted by Dr. Patil Prashant. Descriptive study is a Observational study where Observations are made on small group of patients. Inquiry type of studies like field survey are included in this type. Can be used for both qualitative and quantitative data. Case Reporting, Case series and longitudinal studies are types of descriptive studies. Case reporting is done in case of rare findings related to any case. Case Series is reporting or publication of a same findings in group of patients. Longitudinal studies are long time consuming studies, Case Control, Cross sectional and Cohort. Descriptive studies are Hypothesis generating studies.

Dr. Varsharani Chaudhari delivered lecture on "Ethical Issues in Medical Research" and focused on some special points. Definition of Ethics Committee- An ethics committee is a committee formally designed to review and approve the initiation of a clinical research study involving Human subjects and to provide continuing review of the research study. Formation and responsibilities if IEC was explained. She explained the ethical issues in medical research like-Principle of essentiality. Precaution & risk minimization, Accountability and Transparency, Vulnerable and Special group, Compensation for research related harm, remuneration for Participant, Ancillary care, Conflict of Interest, Process of Informed Consent and its Importance,





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Privacy and Confidentiality, Distributive Justice, Community Engagement, Post research access and Benefit sharing.

Next day the lecture about "Evaluation of Diagnostic Tests" was delivered by Dr.Shilpa Badhe. Screening and Diagnostic tests are two different modalities to reach up to the final diagnosis of any disease. Screening tests are done in a group of likelihood of presence of disease and Diagnostic tests are done on Screened patients to confirm and make a final diagnosis. Sensitivity is the ability of a test to correctly identify those with disease i.e. True positive rate. Combinations of various tests can be advocated for a diagnosis of disease.

Reliability of test- When results for a test are nearly same for one sample on a single instrument then the results is reliable. Validity of test- When results for a test on different calibrated instrument shows nearly same when compared to standard results then it's a validity of test, where the results is reliable and the standard results then it's a validity of test. The lecture on "Critical Evaluation of Journal-Article" was delivered by Dr.Shilpa Badhe. Critical evaluation of article from UGC indexed Journal on Rutucharya in Aayurveda was taken for consideration.

What to see about Journal- publisher, Section of the Journal, ISSN number, peer reviewed Journal, year of publication, Issue and Volume of Journal, Page No.

What to see about article- Authors, credentials of authors, current position and past experience, area of expertise.

What to see in published material- Departure from author's specialty area. Title of article indicated Research Question. Look for meaningful Aim and complete Objectives. Study population, study settings. Abstract within 100-250 words, catchy, not too short or long. Introduction creates rationally for current study. Logical flowing sentences. In methodology-Target population, sample frame . sampling technique used, sample size. Then material and methods like Inclusion, exclusion criteria, statistical analysis and tests used. Results should contain appropriate tables, charts and graphs. Discussion – Interpreting and explaining results obtained. It should be meaningful, highlight the important findings of study, enough explanation and significant thinking, logical and reasoned the results properly. At the end Limitation of study and Conflict of Interest if any.

In second last session of the workshop Dr. Varsharani Chaudhari conducted a lecture on **"Types of Data and Data presentation"**: Data is collected from Observation Unit in research. Collection of data through: Primary sources- Direct interface with the observational unit. Types of data- Qualitative & Quantitative. Qualitative/ Discrete/ Frequency Continuation Data- Two





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types. Nominal eg. Colours of hair; and Ordinal- Degree of illness. Quantitative Data- Discrete and Continuous data. Discrete data is number used in Mortality, Birth rate etc. Continuous data varies both in characteristic and frequency. Types of Data Presentation- Tabular and Diagrammatic presentation is used for both Qualitative and Quantitative data.

At the end of the workshop, "Group Activity" was taken over the topics covered in theoretical lectures. Dr. Varsharani Chaudhari conducted this activity. Students were divided in different groups. Two article were given for the critical evaluation and students were asked to find the Good and substandard points from these article. Also group activity related to data presentation was taken. Colour of Eyes, Degree of illness, discharge from wound, temperature, BP was taken for consideration and students identified the type of data and presented in a Tabular and Graphical forms.

At end of the workshop vote of thanks was offered by Dr. Varshrani Chaudhari. Students took part in a workshop very enthusiastically and noted positive response. Dr. Shilpa Badhe madam address the students and appreciated their efforts.

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Workshop Coordinator

Dr.Shilpa Badhe. HOD & PROFESSOR Dest. of Shalyatantra : If Ayurved College & Hospital Ohumagaon, Taligathan Dist. Nachat.



Principal

Dr. Pradeep Bhabad.

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## Basic Workshop in Research Methodology Programme Schedule SMBT Ayurved College and Hospital,

Venue &Organizer:

Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

Date: 07/04/2019

2<sup>nd</sup> year BAMS (B Batch)

Year 2018-19

S.N	Торіс	Method	Time (Min.)	Speaker	Time
1	Inauguration	70776-0 <b>9</b> -097 <u>1-04</u> 2	15		08:00 am to 08:15 am
2	L-1: Descriptive studies	Lecture	90	Dr. Prashant Patil	08:15 am to 09:45 am
3	L-2 : Ethical issues in medical research	Lecture	50	Dr. Varsharani Chaudhari	09:45 am to 10:45 am
4	L-3: Evaluation of diagnostic test	Lecture	60	Dr. Gunjal Ankush	10:45 pm to 11:45 am
5	L-4: Critical evaluation of journal and articles	Lecture	90	Dr. Badhe Shilpa	11:45 am to 01:15 pm
6	Lunch		45		01:15 pm to 02:00 pm
7	L-5: Types of data and data presentation	Lecture	90	Dr. Varsharani Chaudhari	02:00 pm to 03:30 pm
8	GA-1: Group Activity	Group Activity	90	Dr. Varsharani Chaudhari	03:30 pm to 05:00 pm

**Details of Faculties:** 

Sr. No.	Name of Faculty	Designation	Department	College
01	Dr. Varsharani Chaudhari	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
02	Dr. Prashant Patil	Asst. Professor	Prasutitantra evam Strirog	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
03	Dr. Ankush Gunjal	Asst. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
04	Dr. Shilpa Badhe	Professor	Shalyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik



Attendance for Research Methodology Workshop Second Year Batch- B-(07-04-2019)							
Sr No	Name Of Student		Kilian Z	acycics	suzion	rengion	τοτά
1	KSHIRSAGAR PRADNYA KALYANRAO	P	p	р	p	Р	р
2	MEHETRE ROHAN SUNIL	ρ	ρ	ρ	p	p	P
3	MORE VIJAY ARJUN	P	P	P	ρ	ρ	P
4	MUTADAK PRAJAKTA GOKUL	Þ	ρ	ρ	P	ρ	p
5	NAIK KRUPA NILESH	P	P	P	P	P	P
6	NARAWADE ARTI APPASAHEB	P	P	P	P	p.	р
7	NIKAM SNEHA DHANANJAY	P	ρ	ρ	ρ	ρ	ρ
8	OMASE VIDYA GOVIND	P	ρ	p	P	P	Р
9	PAL NANDANI HARISHCHANDRA	ρ	P	p	р	ρ	Р
10	PARIKH BHAVYA KIRAN	ρ	P	P	P	P	p
11	PATIL DHANASHRI RAVINDRA	P	P	р	P	P	P
12	PATIL PRAJAKTA AJAY	P	P	P	P	P	р
13	PATIL PRAJAKTA RAMCHANDRA	P	P	p	P	P	ρ
14	PATIL PRIYADARSHANI SUBHASH	P	p	P	P	P	P
15	PAWAR RENU SUHAS	P	P	P	P	P	p
16	PHANSE DHANANJAY BABASAHEB	Р	ρ	P	P	P	P
17	SAKHARE AKANKSHA SURENDRA	P	P	ρ	P	P	P
18	SAPKAL NIKITA BHAGWAN	ρ	P	P	p	P	ρ
19	SHAH SALONI PAWAN	P	Р	P	P	P	ρ
20	SHARMA SWAPNIL NAGESH	P	P	P	P	P	P
21	SHEVARE AISHWARYA KHUSHAL	P	P	р	P	р	ρ
22	SONAWANE NILESH SHASHIKANT	P	P	2	p	P	ρ
23	SONAWANE PRATIKSHA CHHAGAN	P	Þ	P	P	P	<u>р</u>
24	THAKUR MANSI BHAGVAN	ρ	P	P	P	P	Ρ
25	THAREWAL SANKET MANOJ	P	P	P	P	P	<u>p</u>
26	THIGALE DIVYA RAJESH	P	P	ρ	P	р	р
27	UGALE ARADHANA ATMARAM	р	P	P	Р	P	p
28	USHIRE DIPALI GANGARAM	P	ρ	P	P	P	р
29	VARPE VIDYA BABAJI	P	P	ρ	P	p	P
30	VIGHNE RUPALI BALKRUSHNA	P	р	p	P	P	P

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#### Date- 9/04/2019

#### HARA CARGE STORAGE BASIC RESEARCH METHODOLOGY WORKSHOP REPORT (A SACE OF STORE) AND A SACE OF STORE S

SMBT Ayurved college and hospital has arranged a workshop on Basic Research Methodology for Third year students, on dated 07<sup>th</sup> April 2019. The workshop was organized by the HSET Cell of college. Inauguration and Lamp lightening was done by Principal Dr. Workshop coordinator Dr. Shilpa Badhe madam. HODs of all third year departments were present for the Inauguration. The motto behind the conduction of such workshop was to train students in the field of Research. The need of such training was explained by Dr. Badhe madam. Introduction of Speakers and description of schedule was done by Dr. Varsharani Chaudhari madam. The workshop was conducted on Sunday without hampering the curriculum of students.

basic knowledge about the Research and train them as per, so that they can conduct evidence based research in the field of Ayurveda from the very start of their UG course.

Participants- Third year UG - Batch 'B' 30 students.

Completed Workshop- All 30 students completed workshop successfully.

The first lecture was delivered by Dr.Ankush Gunjal on "Experimental Studies". Types of Experimental studies are- Animal study, Human trials- Randomized Controlled Trial/ RCT, Field trial and Community trial. Difference between study population and target population. Types of variable like Dependent and Independent Variables. Importance of Matching, Bias in matching and matching criteria's. To avoid bias Masking or Blinding is done. Types of blinding-Single, Double & Triple blind study. Four phases of Clinical research are also well explained by him.

Next to this Dr. Shilpa Badhe conducted a session on "Sampling Methods and Sample Size". Size and method of sample for any research work is dependent on the type of a study. Sample is drawn from the target population. Two types of sampling are Random / Probability sampling and Non Random / Non Probability sampling.

Probability sampling in which every unit in the study population has equal chance of being selected as a sample.

Non Probability sampling in which some units of population have no chance of selection in a sample.





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Simple random, Systematic, Stratified, Cluster, Multistage and Multiphase sampling are the types of Probability sampling. 

Purposive, Quota, Convenience and Snowball sampling are the types of Non Probability sampling.

Dr.Badhe madam elaborated the concept of determination of sample size for different research types.

The lecture of "Inferential Statistics" was delivered by Dr. Patil Prashant. Descriptive and Inferential are types of statistics. In Inferential statistics some inference of a Research are made with the help of statistical test .

For qualitative Data assessment Non Parametric tests like Chi square test, Wilcoxon sign rank test- within same group, and Mann whitney 'U' test- in different groups are used.

For quantitative data analysis Parametric test like Students 't' test are used. 'Paired t test' for paired data i.e. within same group and 'Unpaired t test' for unpaired data like in 2 different groups.

ANOVA test is used when more than 2 group are present. 'Z' test is used for large sample size when data follows normal distribution.

Dr.Varsharani Chaudhari conducted a next lecture on "Writing Research protocol" A Research Protocol is a formal written record that one prepared Before research fieldwork is underlaken. . . ..

Research protocol is a document that sates the background, objectives, rationale, design, methodology and statistical consideration of the study.

Contents of research protocol are- Title, Introduction (Research Question & Hypothesis, Rationale of study ), Aim & Objectives, Literature Review, Methodology (Research Design), Data collection, Analysis and Interpretation Methods, Ethical consideration, Study Time Frame. Reference style, Bibliography, List of Abbreviation, Budget, Annexure are very well elaborated by Dr. Chaudhari.

Analysis of observed and collected data is the important step in research. It needs computer assistance. So the lecture on "Computer Assistance in Data Analysis- Excel" was taken by Dr. Shilpa Badhe. Data definition, types of data, Measures of Central tendency and Test of





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significance was explained by her with the help of a computer. Use of Excel software for data entry and simple analysis was demonstrated by Badhe madam.

The "Group activity" was conducted by Dr.Shilpa Badhe madam for the topics covered in workshop. Groups were given different study types and asked to find the appropriate sample method for study. Simple random sampling, Systematic sampling are used for RCT. Purposive sampling when study population is very small. Cluster for Cohort etc. Then with the help of a Sample size determination formula, groups were come with their appropriate sample size depending upon type of study. Groups were advised to make a Research protocol with its appropriate content for chosen study type. Hands on training of use of Excel software was conducted with its demonstration like-Open file, then table of data, go to your file, choose excel sheet, then choose test finally make an analysis of test.

At end of the workshop vote of thanks was offered by Dr. Shilpa Badhe madam. Students took part in a workshop very enthusiastically and noted positive response, that this workshop will definitely help them for conducting a Research in medical field in their student life and also onwards.

Workshop Coordinator

Dr.Shilpa Badhe. HOD & PROFESSOR Dest, of Shalyatantra Saket Ayurved College & Hospital Openangaon, Taligatpuri, Dist.Nashik

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# Basic Workshop in Research Methodology Programme Schedule

Venue & Organizer:

SMBT Ayurved College and Hospital, Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

Date: 07/04/2019

3rd year BAMS (8 Batch)

Year 2018-19

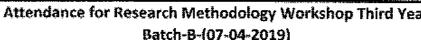
S.N	Topic	Method	Time (Min.)	Speaker	Time
1	Inauguration		15		08:00 am to 08:15 am
2	L-1: Experimental studies	Lecture	60	Dr. Ankush Gunjal	08:15 am to 09:15 am
3	L-2 : Sampling method and sample size	Lecture	90	Dr. Shipla Badhe	09:15 am to 10:45 am
4	L-3: Inferential statistics	Lecture	60	Dr. Prashant Patil	10:45 pm to 11:45 am
5	L-4: Writing research protocol	Lecture	90	Dr. Vərsharani Chaudhari	11:45 am to 01:15 pm
ő	Lunch	<u> </u>	45		01:15 pm to 02:00 pm
7	L-5: Computer assistance in data analysis Excel	Lecture Demo	90	Dr. Shiipa Badhe	02:00 pm to 03:30 pm
8	GA-1: Group Activity	Group Activity	90	Dr. Shilpa Badhe	03:30 pm to 05:00 pm

**Details of Faculties:** 

Sr. No.	Name of Faculty	Designation	Department	College
01	Dr. Varsharani Chaudhari	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
02	Dr. Prashant Patil	Asst. Professor	Prasutitantra evam Strirog	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
03	Dr. Ankush Gunjal	Asst. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
04	Dr. Shilpa Badhe	Professor	Shaiyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik



	Attendance for Research Meth	odology	Works	hop Tl	nird Ye	ar	
	Batch- <del>B</del> -(07	7-04-201	9)			,	4
Sr No	Name Of Student	JESSION	2	session J	12544011	5	223-5101
:	PAWALI DIKSHA RAMDAS	P	P	Р	P	p	Ρ
2	PAWAR NIVEDITA SUDHAKAR	P	þ	ρ	P	P	р
3	RATHOD SAYALI SAHEBRAO	P	ρ	P	P	P	P
4	RATHOD SONALI SAHEBRAO	Р	P	ρ	P	P	p
5	SAWLE PUNAM RAJENDRA	P	P	P	P	P	P
6	SOLANKI ADITI CHANDRASINH	P	P	P	p	P	P
7	SONAWANE PRANALI PRAKASH	P	P	ρ	P	P	P
8	SONAWANE PRATIKSHA RAJENDRA	P	ρ	ρ	p	ρ	P
ŷ	TIWARI ANIKET RAJENDRAKUMAR	P	p	ρ	P	ρ	p
10	UGALMUGALE POQJA NIVRUTTI	ρ	ρ	P	P	ρ	ρ
11	VADAK SAMRUDDHI REVANNATH	ρ	P	p	p	P	P
12	WAGH SAYALI NARENDRA	ρ	ρ	р	p	ρ	Р
13	WAJE SAYALI AMBADAS	ρ	ρ	ρ	P	Р	р
14	ALAM SWATI PANDHARINATH	P	ρ	p	P	P.	P
15	ANDADE AARTI GIRISH	ρ	P	P	þ	P	P
16	AUCHITE AMOL SUDAM	P	P	ρ	P	P	Р
17	AWAL PRASHANT RAMESH	p	P	ρ	P	P	ρ
18	BHOIR PRACHI CHANDRASHEKHAR	P	P	p	P	р	P
19	BHUSAL MAYURI BABANRAO	P	ρ	ρ	P	ρ	р
20	CHURI SUPRIYA RAJENDRA	ρ	P	Ρ	p	P	P
21	GADAKH YOGESH SUKDEV	ρ	ρ	ρ	P	P	р
22	GADHAVE MAYURESH DATTATRAY	ρ	ρ	P	P	P	P
23	GANGURDE SWAPNALI SHRIDHAR	P	P	p	P	ρ	Р
24	GHODVINDE POOJA VIJAY	ρ	Ŕ	P	p	P	P
25	GHORPADE SONALI SAMPAT	ρ	P	P	P	P	р
26	GHUDE DEVYANI MADHUKAR	p	P	P	ρ	P	P
27	GODASE PRANAY MARUTI	P	P	P	P	P	p
28	JADHAV SHITAL PARASRAM	Γ <u>ρ</u>	1p	þ	P	P	p
29	JAYBHAYE PRIYANKA RAMCHANDRA	P	P	ρ	P	ρ	ρ
30	KENE NIKITA MOHAN	P	P	P	Γ <u>ρ</u>	ρ	ρ



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Course Coordinator HOD & PROFESSOR Dept. of Shalyatantra SM8T Ayurved College & Hospital Dhamangson,Taligatpuri/DistNashik



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## Date- 20/01/2020

# BASIC RESEARCH METHODOLOGY WORKSHOP REPORT

#### 15-16 JANUARY 2020

SMBT Ayurved College and hospital has arranged a 2 days' workshop on Basic Research Methodology on dated 15 & 16 January 2020. The workshop was organized by the HSET Cell of college. Inauguration and Lamp lightening was done by Principal Dr. Pradeep Bhabad sir. HODs of all departments were present for the Inauguration of workshop. The motto behind the conduction of such workshop for UG students was explained by workshop coordinator Dr. Badhe madam. Introduction of Speakers and schedule was done by workshop coordinator Dr. Varsharani Niphade.

The aim of conduction of Basic Research Methodology workshop for fourth year UG students to give basic knowledge about the Research and train them as per, that they can conduct an evidence based research in the field of Ayurveda.

On first day of workshop, Dr. Varshrani Niphade addresses the participants with topic "Introduction to Research Methodology". Definition of Research, Evolution of Medical Research, Ayurveda terms for research was explained by Dr. Niphade. "The systematic investigation into and study of materials and sources in order to establish facts & reach new conclusion". Also she told about the methodology, Types and importance of research.

Second topic in the workshop was "Study Designs" and the lecture was delivered by Dr. Prashant Patil Sir. Observational and Experimental studies are two main types of research. Observational study includes – Case Report, Case Series, Case Control, Cross Sectional and Cohort studies. These are hypothesis generating researches. Experimental study includes Animal Laboratory studies and Clinical & Field trials. Clinical trials are conducted in four phases. Masking or Blinding of study techniques were explained by sir. Types of Data and Data Presentation was next topic and taken by Dr. Varsharani Niphade madam. Definition of Data, difference between data and information, sources of data was explained by she initially. Then two types of data- Qualitative and Quantitative was narrated . Tabular and Diagrammatic presentation is used for both Qualitative and quantitative data. For Qualitative data presentation Tables and Graphs are used. Bar, Pie diagram, Pictogram and Map diagrams are used. For Quantitative data is presented with the help of – Histogram, Frequency Polygon, Frequency Curve, Ogive, Cumulative Frequency graph and seatter diagrams.



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After lunch break, Dr. Ankush Gunjal continued the next topic of workshop – Literature Search. He talked about the sources and types of literature search. Academic books, Journal articles and literature available on Internet are the sources. Traditional, Systemic, Metaanalysis and Meta – synthesis are the types of literature search. DHARA, AYUSH portal and Pubmed, Google Scholar are some literature search engines available on internet. "And, Or and Not" are bullion words used in online literature search. Literature search helps researcher to find the knowledge gap and can adopt same methodology from previous researches.

Dr. Varsharani Niphade took a session on Sampling Methods and Sample Size. Definition of Population & Sample, types of sample were discussed. There are two types of sampling- probability and Non Probability sampling. Simple random, Systematic, Stratified, Cluster, Multistage and Multiphase sampling are the types of Probability sampling. Purposive, Quota, Convenience and Snowball sampling are the types of Non Probability sampling. Dr. Ankush Gunjal conducted next session of Introduction to Statistics. What is biomedical statistics, Types and Importance was explained by the sir. There are two types of statistics-Descriptive and Inferential. Descriptive Statistics- Used for Qualitative data. Non Parametric tests like Chi square, Mann Whitney U test, Wilcoxon Sign Rank tests are used in descriptive type of statistics. Mean, median, mode are used for qualitative data. Inferential statistics is used for Quantitative data. Parametric test of statistics like students t test, ANOVA and Z tests are used.

Group activity was conducted on topics covered for first day by Dr. Parashant Patil and Dr. Ankush Gunjal .Students were divided in groups. Different examples regarding the study design its collection of data, presentation of data, related literature search and statistical test to be applied was discussed.

On Second day 16 January the session in the workshop was Qualitative Research Methods and Questionnaire Designing. It was taken by Dr. Shilpa Badhe madam. Definition, Characteristics and Types of Qualitative research, the difference between Qualitative and Quantitative research, advantages and disadvantages of Qualitative research was explained. Questionnaire Designing was done on the type of research. Close and Open ended questionnaire are two types. Principles of Questionnaire Designing, Strengths & limitation of Ouestionnaire was told by madam.

The next session was taken by Dr. Varsharani Niphade on Writing a Research **Protocol.** For UG students it is always an area interest. Madam explained the Contents of research protocol which are- Title . Introduction (Research Question & Hypothesis, Rationale of study), Aim & Objectives, Literature Review, Methodology (Research Design), Data collection, Analysis and Interpretation Methods, Ethical consideration, Study Time Frame, Reference style,



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Bibliography, List of Abbreviation, Budget, Annexure. Ethical Issues in Medical Research-Dr. Varsharani Niphade highlighted the topic. The importance of Ethical issues in medical research is very high as there is involvement of human subjects in clinical trials. So The trials are always conducted after the Ethical clearance from a specific committee. It is called as 'Independent Ethics Committee/IEC". Madam told about the Formation, roles and responsibilities of IEC. According to the 'Good Clinical Practices' Principle of essentiality, Precaution & risk minimization, Vulnerable population, Compensation for research related harm, remuneration for Participant, Ancillary care, Conflict of Interest, Process of Informed Consent and its Importance, Privacy and Confidentiality, Distributive Justice, Community Engagement are the ethical issues in medical research. These are well explained by Dr.Niphade madam.

Critical evaluation of Journal Article has its own importance in medical research. Because researchers look for a published articles or journals to find the knowledge gap related to research Question. The session was conducted by Dr. Ankush Gunjal sir. UGC Indexed journal article was taken for an example to explain the topic. He told about the Journal, article, Author and Content of article in same examples. The last session of the workshop was on Computer Assistance in Data Analysis with Excel. The lecture was delivered by Dr. Badhe madam. Measures of central tendency, test of significance and hands on training of use of Excel software for research was done. Students were motivated to do actual use of Excel for data analysis.

Group activity was conducted by Dr. Shilpa Badhe and Dr. Varsharani Niphade. Students were encouraged to form a Research Protocol with all its necessary contents. They formed protocols of Randomized Controlled Trial, Case control and Cross sectionals studies. The Questionnaire related to Case record form history taking was done by students. An article related to Use of Virechana karma in Grudhrasi was taken for critical evaluation. Students participated enthusiastically and did the evaluation.

The workshop was ended with Vote of thanks. Dr. varsharani Niphade offered vote of thanks.

WORKSHOP COORDINATOR

Dr. Varsharani Niphade.



Dr. Pradeep Bhabad. Principal S.M.B.T.Ayurved College & Hospital Nandi-Hills Dhamangaon, Tal.Igatpur, Dist. Hashik.



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## Basic Workshop in Research Methodology Programme Schedule

Venue & Organizer:

SMBT Ayurved College and Hospital,

Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik.

#### DAY ONE - Date: 15 January 2020

S.N	Торіс	Method	Time (Min.)	Speaker	Time
1	L-1: Introduction to Research Methodology	Lecture	45	Dr. Varsharani Niphade	09:15 am to 10:00 am
2	L-2 : Study Designs	Lecture	60	Dr. Prashant Patil	10:00 am to 11:00 am
3	L-3: Types of Data and Data Presentation	Lecture	60	Dr. Varsharani Niphade	11:00 pm to 12:00 pm
4	Lunch		30		12:00 pm to 12:30 pm
5	L-4: Literature search	Lecture	60	Dr. Ankush Gunjal	12:30 pm to 01:30 pm
6	L-5: Sampling: Methods & Sample size	Lecture Demo	60	Dr. Varsharani Niphade	01:30 pm to 02:30 pm
7	L-6: Introduction to Statistics	Lecture	60	Dr. Ankush Gunjal	02:30 pm to 03:30 pm
8	GA-1: Group Activity	Group Activity	90	Dr. Ankush Gunjal & Dr. Prashant Patil	03:30 pm to 05:00 pm

#### DAY TWO - Date: 16 January 2020

S. N	Торіс	Method	Time (Min.)	Speaker	Time
1	L-7: Qualitative research methods & Questionnaire Designing	Lecture	60	Dr. Shilpa Badhe	09:15 am to 10:15 am
2	L-8: Writing a research protocol	Lecture 75		Dr. Varsharani Niphade	10:15 am to 11:30 am
3	L-9: Ethical Issues In Medical Research	Lecture	60	Dr. Varsharani Niphade	11:30 pm to 12:30 pm
4	Lunch	and the	30		12:30 pm to 01:00 pm
5	L-10: Critical Evaluation of Journal Article	Lecture	75	Dr. Ankush Gunjal	01:00 pm to 02:15 pm
6	L-11: Computer assistance in Data Analysis with Excel	Lecture	75	Dr. Shilpa Badhe	02:15 pm to 03:30 pm
7	GA -2: Group Activity	Group Activity	90	Dr. Shilpa Badhe & Dr. Varsharani Niphade	03:30 pm to 05:00 pm



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## Basic Workshop in Research Methodology Programme Schedule SMBT Ayurved College and Hospital,

Venue & Organizer:

Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik.

Details of Faculties:

Sr. No.	Name of Faculty	Designation	Department	College
01	Dr. Varsharani Chaudhari	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
02	Dr. Prashant Patil	Asso. Professor	Prasutitantra evam Strirog	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
03	Dr. Ankush Gunjal	Asst. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
04	Dr. Shilpa Badhe	Professor	Shalyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik





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## BASIC WORKSHOP IN RESEARCH METHODOLOGY 15 To 16 Jan 2020

Sr.No.	NAME OF Faculty	15-Jan	16-Jan
1	Dr.Varsharani Niphade	Alulia	alue
2	Dr. Shilpa Badhe	E/	6/
3	Dr. Prashant Patil	& A	Lit
4	Dr. Ankush Gunjal	Knigt	Kel

Vd. Varsharani Niphade Co-ordinator Research Workshop

Vd.Pradeep Bhabad Principal

Principal S.M.B.T.Ayurved College & Hospital Mandi-Hills,Dhamangara, Tulayatani,Dist Mashi



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BASIC WORKSHOP IN RESEARCH METHODOLOGY

Sr.No.	NAME	1	2	3	4	5	6	7
1	AHER KOMAL RAJEEV	P	P	P	P	p	P	P
2	BHADANE SHRUTI BHASKAR	p	P	P	P	F	P	P
3	BHAGWAT MONALI KAILAS	p	P	P	f	P	P	P
4	BHOIR ASHWINI ULHAS	P	P	P	p	P	P	p
5	BHOIR KOMAL MANOHAR	A	A	n	A	A	A	A
6	DANDAWATE AYUSH RAJENDRA	A	A	A	A	A	A	A
7	DESALE NILESH VILAS	A	0	A	A	A	A	A
8	DESALE VIPUL SANTOSH	P	A	A	A	A	A	0
9	DHOLE RHUTUJA SANTOSH	P	P	P	P	P	P	P
10	DOIFODE SHUBHANGI SANJAY	P	P	P	P	p	R	Pa
11	GADGE AISHWARYA DIPAK	P	P	P	D	<u>_</u> P	P	P
12	GAIKWAD MANASI DILIP	P	R	P	P	P	P	P
13	GHARAT DIVYA DHANAJI	P	P	P	P	P	P	P
14	HALDE SWATI TRAMBAK	R	R	R	P	P	P	R
15	JAGALE SNEHAL NITIN	P	P	P	P	P	R	R
16	JAIN MOHIT SUNIL	P	P	P	P	P	P	R
17	JAMDAR MAYURI VASANTRAO	P	P	P	R	P	P	R
18	JAYKAR PRAJAKTA EKNATH	P	P	P	P	ł	P	P
19	JHA SWETAKUMARI JEETENDRA	B	Ð	A	A	A	A	12
20	KADAM BHAKTI ANIL	P	R	R	P	P	R	1K
21	KADUSKAR RUTUJA DAGADU	P	R	IK.	R	R	R	R
22	KALE KANCHAN KAILAS	P	P	Ľ	R	P	P	R
23	KASLIWAL SAMARTH VIPIN	P	P	P	P	P	P	P
24	KESARKAR AKSHATA SUNIL	P	P	P	P	P	P	R
25	KHATKE CHIRAG SURESH	A	A	A	A	A	A	A
26	KSHIRSAGAR PRADNYA KALYANRAO	P	P	p	P	P	P	P
27	LANGADE PANDURANG HARISHCHANDRA	A	A	A	A	A	A	B
28	MEHETRE ROHAN SUNIL	A	A	A	A	A	A	A
29	MORE VIJAY ARJUN	P	P	P	P	P	P	P
30	MUTADAK PRAJAKTA GOKUL	P	P	P	P	P	P	P
31	NAIK KRUPA NILESH	P	P	P	P	P	P	P
32	NARAWADE ARTI APPASAHEB	P	P	P	P	P	P	LE
33	NIKAM SNEHA DHANANJAY	P	P	P	P	P	P	P
34	OMASE VIDYA GOVIND	P	D	P	P	P	P	P
35	PARIKH BHAVYA KIRAN	P	P	P	P	P	P	P
36	PATIL DHANASHRI RAVINDRA	P	P	p	P	P	P	P
37	PATIL PRAJAKTA AJAY	P	P	P	P	F	P	P
38	PATIL PRAJAKTA RAMCHANDRA	P	P	P	ľ	P	P	R
39	PATIL PRIYADARSHANI SUBHASH	P	P	P	P	P	9	P
40	PAWAR RENU SUHAS	P	D	P	P	D	f	P
41	SAKHARE AKANKSHA SURENDRA	P	9	P	P	P	P	P
42	SHAH SALONI PAWAN	P	P	P	P	P	P	P
43	SHEVARE AISHWARYA KHUSHAL	Þ	P	P	P	P	P	P
44	SONAWANE HARSHAL SURESH	1	D	A	A	1	P	P
45	SONAWANE NILESH SHASHIKANT	0	A	A	A	17	FA	A
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49	UGALE ARADHANA ATMARAM	- 5	H	10	K	1	00	12
50	USHIRE DIPALI GANGARAM	P	IK	1P	1K	1	R	K
51	VALTE SWAPNALI YADAV	P	1 K	R	K	1F	R	R
52	VIGHNE RUPALI BALKRUSHNA	P	P	D	11	IP	P	P

dine. Vd. Varsharani Niphade

Co-ordinator Research Workshop

Vd.Pradeep Bhabad



Principal S.M.8.T.Ayurved College & Hospital Nandi-Hills, Dhemangaon, Tal. Igatpuri, Dist Nashik,

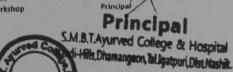


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#### BASIC WORKSHOP IN RESEARCH METHODOLOGY

No.	NAME	1	2	3	4	5	6
1	AHER KOMAL RAJEEV	P	P	P	P	P	P
2	BHADANE SHRUTI BHASKAR	P	P	P	P	P	P
3	BHAGWAT MONALI KAILAS	P	P	P	P	P	P
4	BHOIR ASHWINI ULHAS	P	P	P	P	P	P
5	BHOIR KOMAL MANOHAR	A	A	A	A	A	A
6	DANDAWATE AYUSH RAJENDRA	A	A	A	A	A	A
7	DESALE NILESH VILAS	A	A	A	A	A	A
8	DESALE VIPUL SANTOSH	A	A	A	A	A	A
9	DHOLE RHUTUJA SANTOSH	P	P	P	P	P	P
10	DOIFODE SHUBHANGI SANJAY	P	P	P	P	P	P
11	GADGE AISHWARYA DIPAK	P	P	P	P	P	P
12	GAIKWAD MANASI DILIP	P	P	P	p	P	P
13	GHARAT DIVYA DHANAJI	P	P	P	P	P	P
14	HALDE SWATI TRAMBAK	P	P	P	P	P	P
15	JAGALE SNEHAL NITIN	p	P	P	P	-	P
16	JAIN MOHIT SUNIL	6	0	P	P	P	P
17	JAMDAR MAYURI VASANTRAO	10	P	D	P	D	P
18	JAYKAR PRAJAKTA EKNATH	10	P	P	P	P	P
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20	KADAM BHAKTI ANIL	15	t p	and the second	P	P	P
21	KADUSKAR RUTUJA DAGADU	P	b	P	p	P	P
22	KALE KANCHAN KAILAS	P	P	P	P	P	-
23	KASLIWAL SAMARTH VIPIN	P		P	-	Ŕ	0
24	KESARKAR AKSHATA SUNIL	A	A	A	0	0	-
25	KHATKE CHIRAG SURESH	P	P	P	P	P	P
26	KSHIRSAGAR PRADNYA KALYANRAO	A	-	A	A	P	F
27	LANGADE PANDURANG HARISHCHANDRA	A	A	A	A	A	A
28	MEHETRE ROHAN SUNIL	P	P	P	P	P	
29	MORE VUAY ARJUN	P	10	P	P	P	C
30	MUTADAK PRAJAKTA GOKUL	P	b	P	P		P
31	NAIK KRUPA NILESH	P	F	P	P	1.1	P
32	NARAWADE ARTI APPASAHEB	P	10		P	10	F
33	NIKAM SNEHA DHANANJAY		P	P	10	P	10
34	OMASE VIDYA GOVIND	P	tà		P	F	-
35	PARIKH BHAVYA KIRAN	P P	10	P	P	P	P
36	PATIL DHANASHRI RAVINDRA	P	-	P	-	-	
37	PATIL PRAJAKTA AJAY	P		++	+ >		-
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51	A CONTRACT OF A	17	PF	P	P	f	1
	VIGHNE RUPALI BALKRUSHNA	f	20	p	F		PI

Vd. Varsharani Niphade Co-ordinator Research Workshop



Vd.Pradeep B



# SMBT Seventhewit Busi's

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27/03/2020

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#### CIRCULAR

- HSET Committee of SMBT Ayurved College and Hospital is conducting a Basic Research Methodology Workshop for UG students to add knowledge regarding Research. The batches for students are as follows
- 2) A) First year batch A & B
  - B) Second year batch A & B
  - C) Third year batch A & B
- Schedule Date 29/03/2020 for Batch 'A'- First, Second & Third year students. 5/04/2020 for Batch 'B'- First, Second & Third year students.
- 4) The workshop will be conducted Online on Google meet platform. Link will be shared on respective year wise Whats App Group.
- Please note Brochure, Schedule and Batches will be shared on respective year wise Whats App group.



SMBT Ayurved College & Hospital



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#### Date- 31/03/2020

### **EGENERATION BASIC RESEARCH METHODOLOGY WORKSHOP REPORT**

SMBT Ayurved College and hospital has arranged a workshop on Basic Research Methodology on dated 29<sup>th</sup> March 2020. The workshop was organized for first year UG students by the HSET Cell of college. The motto behind the conduction of such workshop was to train students in the field of Research. The workshop was conducted Online by using Google-meet platform. The link for joining was shared on Whats App group. Online Dhanvantari Stavana was played at the start of workshop. The need of such training was explained by Dr. Badhe madam. Introduction of Speakers was done by Dr. Varsharani Chaudhari madam.

Aim of conduction of Basic Research Methodology workshop for UG students to give basic knowledge about the Research and train them as per, so that they can conduct evidence based research in the field of Ayurveda from the very start of their UG course.

Participants- First year UG - Batch 'A' 30 students.

Completed Workshop- Out of 30 students ,29 completed workshop successfully,

In the first lecture of workshop Dr. Varshrani Chaudhari addresses the participants with topic "Introduction to Research Methodology". Definition of Research, Evolution of Medical Research, Ayurveda terms for research like Anusandhana, Anveshana, Gaveshana, Paryeshana, Shodha etc. were explained by her. RESEARCH can be comprised in to

- R- Rethinking
- E- Experimental method
- S- Survey
- E- Evaluation
- A- Age, Altitude, Aptitude
- R- Recognition
- C- Current affairs
- H- Head, Heart, Hand & Health.





# SMBT Sevabhavi Trust's

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"Research Methodology- It is defined as a highly intellectual human activity used in the investigation of Nature and Matter & deals with the manner in which data is collected, analyzed and interpreted Aim of research is finding out the new facts of verification of the old facts to follow the appropriate knowledge, so we can get better quality of knowledge. Characteristic of good research are as follows-

- F- Feasible.
- I- Interesting
- N- Novel
- E- Ethical

The next lecture "Types of Research" was taken by Dr. Patil Prashant. Two type Researches are-

1] Perspective:- Cause to effect

Retrospective:- Effect to Cause.

2] Observational:- Observations are made on small number group of patients.

Interventional:- Some interventions are made and outcome is monitored.

and a series of 3] Descriptive: - Various types of survey, inquiry are included.

Analytical:- Researcher use information which is already available and analyze these to make a critical evaluation.

4] Pre-clinical:- Drug trial and animal studies.

Clinical:- Interventional and experimental studies. Human subjects are involved.

5] Qualitative:- Used for qualitative data like health, quality of life.

Quantitative:- Used for measurable data.

6] Clinical - Observational arc Case report and case series where Interventional are Clinical trials.





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Epidemiological- Observational are Cohort, Cross sectional, Case control studies. Interventional are Field surveys.

Third lecture of the workshop "Literature Search" was taken by Dr. Shilpa Badhe. She talked about the sources and types of literature search. Academic text books, Journal articles and literature available on Internet are the sources. Traditional, Systemic, Meta-analysis and Meta – synthesis are the types of literature search. DHARA, AYUSH portal and Pubmed, Google Scholar are some literature search engines available on internet. "And, Or and Not" are Bulleaon words used in online literature search. Literature search helps researcher to find the knowledge gap and can adopt same methodology from previous researches for a new one.

Dr. Prashant Patil conducted a lecture on "Qualitative Research". It is a collection, analysis and interpretation of data by what people do and say. It is a subjective research. Types of Qualitative Research are Interview, Focus Group Discussion and participant Observation Techniques. Characteristics and the difference between Qualitative and Quantitative research, advantages and disadvantages of Qualitative research was explained very well by him.

The second last lecture of the workshop was taken by Dr.Ankush Gunjal on "Questionnaire Designing". Questionnaire is depends on the type of study design. Types of Questionnaire- 2 types. Open Ended- where respondent expresses fillings freely. No predefined answers in this type. Close ended – In this type researcher provides 'with option form' to participants and participants have to choose the answer from predefined answers. Principles of Questionnaire designing, Strength and Limitation of Questionnaire designing, Validity and Reliability was discussed in the lecture.

At the end of the workshop, "Group Activity" was taken over the topics covered in lectures. Dr. Prashant Patil took an activity. Students were divided in to three groups. Groups were motivated to search a literature research topic in text books and on internet. Then make a questionnaire related to topic. Students made search about the **Prakruti-Paraikshana** according to Ayurveda in Charak, Vagbhata and Sushtura Samhitas. They used Pubmed, Google Scholar engine for literature search. All groups developed a questionnaire related to 'Finding a Prakruti' of a Person in general. Students enjoyed the activity and developed their own questionnaire.





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### SMBT Savabhavi Trust's SMBT AYURVED COLLEGE AND HOSPITAL

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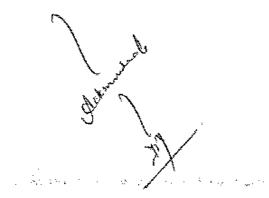
At last the vote of thanks was provided by Dr. Prashant Patil. Students noted positive response about the workshop.

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Workshop Coordinator

Dr. Shilpa Badhe. HOD & PROFESSOR Dept. of Shelyalantra SMBT Ayurved College & Hospital Elemangaon, Taligatperi Dist. elashik.

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#### Principal

Dr. Pradeep Bhabad.

Principal M.B.T Ayurved Conege & Hospital Naci-Hispitangoon bilgatani Cist Radit.



	Attendance for Research Methodology Workshop First Year Batch-A-(29-03-2020)						
Sr No	Name Of Student	-03-2020 8-0-51-1-1	71   Sej90	15235107	195350n 4	eesio/	Servin
1	ADHIKARI NIVEDITA VASANT	p	p P	<u>З</u> р	p p	<u>с</u> р	в р
2	ANBHULE AKSHAY VILAS	P	P	$\rho$	p	P	p
3	AROTE AISHWARYA RAMDAS	p	Þ	p	12	Þ	p
4	BAIS ANKITA ANANTRAO	ρ	p	p	ρ	p	P
5	BANGAR PRANALI SURESH	ρ	P	p	p	Ì p	ρ
6	BARI NIKHIL KISHOR	p	P	P	p	P	Þ
7	BHANUSHALI MRUNALI SANDIP	p	P	ρ	P	p	p
8	BHARAMBE PRASAD RAJESH	A	P	ρ	p	P	p
9	BHARDWAJ GAYATARY SANDEEP	p	ρ	ρ	P	P	p
10	BHOIR ANKITA RAVINDRA	p	P	p	p	ρ	p
11	BIDVI SWARAJ MAHENDRA	ρ	P	p	p	P	p
12	BIRAJDAR DHIRAJ DILIP	p	p	p	₽	P	p
13	BISWAS GAURAVKUMAR GANESHKUMAR	p	P	P	p	P	p
14	BORSE SAGAR DILIP	P	ρ	p	Þ	Γ p	p
15	CHAUDHARI PRACHI SANDIP	↓ p	9	p	p	ρ	P
16	CHAUDHARY SANGEETA SAVALARAM	P	P	P	P	P	p
17	CHITTE KOMAL JAYWANT	P	p	ρ	p	ρ	p
18	DALVI RUSHIKESH PRASHANT	p	ρ	ρ	ρ	P	Þ
19	DEORE BHAVESH PRAKASH	ρ	ρ	$\rho$	P	P	p
20	DHANGAR PRIYANKA MOTIRAM	ρ	P	p	p	P	Þ
21	GANGWAL HARSHITA RAJENDRA	ρ	P	p	p	P	р
22	HEGADKAR NIRANJAN SANJAY	ρ	P	ρ	P	P	Þ
23	JADHAO PALLAVI MADHUKAR	ρ	P	р	ρ	P	p
24	JADHAV NAMRATA JYOTILAL	ρ	P	р	P	P	ρ
25	KAPSE GEETA BHAGWAN	P	P	р	P	P	P
26	KEDAR VAIBHAV SUBHASH	ρ	ρ	p	p	ρ	P
27	KHALKAR SUMIT ARUN	Р	Р	ρ	p	P	P
28	KHANDARE ANUSHKA AJAY	ρ	p	ρ	p	P	P
29	KHAPARE PRACHI HARISHCHANDRA	p	P	ρ	P	P	Þ
30	KHEWALKAR PRATIK PANDIT	P	P	Р	P	P	Þ

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Course Correntiator OR Dept. of Shalyatantro SMST Ayurved College & Hospital Chamangaon, Tallgatpari, Dist Nashik.



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Year 2019-20

## Basic Workshop in Research Methodology Programme Schedule SMBT Ayurved College and Hospital,

Venue &Organizer:

Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

Date: 29/03/2020

1st year BAMS (Batch A)

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5.N	Торіс	Method	Time (Min.)	Speaker	Time		
1	Inauguration		15		08:00 am to 08:15 am		
2	L-1: Introduction to Research Methodology	Lecture	60	Dr. Varsharani Chaudhari	08:15 am to 09:15 am		
3	L-2 : Types of research	Lecture	60	Dr. Prashant Patil	09:15 am to 10:15 am		
4	L-3: Literature search	Lecture	90	Dr. Badhe Shilpa	10:15 pm to 11:45 am		
5	L-4: Qualitative Research	Lecture	90	Dr. Prashant Patil	11:45 am to 01:15 pm		
6	Lunch		45		01:15 pm to 02:00 pm		
7	L-4: Questionnaire	Lecture	90	Dr. Gunjal Ankush	02:00 pm to 03:30 pm		
8	GA-1: Group Activity	Group Activity	90	Dr. Prashant Patil	03:30 pm to 05:00 pm		

Details of Faculties:

Sr. No.	Name of Faculty	Designation	Department	College
Ó1	Dr. Varsharani Chaudhari	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
02	Dr. Prashant Patil	Asso. Professor	Prasutitantra evam Strirog	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
03	Dr. Ankush Gunjal	Asst. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
04	Dr. Shilpa Badhe	Professor	Shalyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik





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#### Date- 29/03/2020

#### REPORTED STREAM BASIC RESEARCH METHODOLOGY WORKSHOP REPORT CARACTERIA CONTRACTOR

SMBT Ayurved college and hospital has arranged a workshop on Basic Research Methodology on dated 29<sup>th</sup> March 2020. The workshop was organized for Second year UG students by the HSET Cell of college. Motto behind the conduction of such workshop was to train students in the field of Research. The workshop was conducted Online by using Googlemeet platform. The link for joining was shared on Whats App group. Online Dhanvantari Stavana was played at the start of workshop. The need of such training was explained by Dr. Badhe madam. Introduction of Speakers and description of schedule was done by Dr. Varsharani Chaudhari madam.

Aimpof conduction of Basic Research Methodology workshop for UG students to give basic sector of a knowledge about the Research and train them as per, so that they can conduct evidence based research in the field of Ayurveda from the very start of their UG course.

Participants- Second year UG - Batch 'A' 30 students.

Completed Workshop- All 30 students completed workshop successfully,

On the start of the workshop the lecture about "Descriptive studies" was conducted by Dr. Patil Prashant. Descriptive study is a Observational study where Observations are made on small group of patients. Inquiry type of studies like field survey are included in this type. Can be used for both qualitative and quantitative data. Case Reporting, Case series and longitudinal studies are types of descriptive studies. Case reporting is done in case of rare findings related to any case. Case Series is reporting or publication of a same findings in group of patients. Longitudinal studies are long time consuming studies, Case Control, Cross sectional and Cohort. Descriptive studies are Hypothesis generating studies.

Dr. Varsharani Chaudhari delivered lecture on "Ethical Issues in Medical Research" and focused on some special points. Definition of Ethics Committee- An ethics committee is a committee formally designed to review and approve the initiation of a clinical research study involving Human subjects and to provide continuing review of the research study. Formation and responsibilities if IEC was explained. She explained the ethical issues in medical research like-Principle of essentiality, Precaution & risk minimization, Accountability and Transparency, Vulnerable and Special group, Compensation for research related harm, remuneration for Participant. Ancillary care, Conflict of Interest, Process of Informed Consent and its Importance,





# SMBT AYURVED COLLEGE AND HOSPITAL

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Privacy and Confidentiality, Distributive Justice, Community Engagement, Post research access and Benefit sharing.

Next day the lecture about "Evaluation of Diagnostic Tests" was delivered by Dr.Shilpa Badhe. Screening and Diagnostic tests are two different modalities to reach up to the final diagnosis of any disease. Screening tests are done in a group of likelihood of presence of disease and Diagnostic tests are done on Screened patients to confirm and make a final diagnosis. Sensitivity is the ability of a test to correctly identify those with disease i.e. True positive rate. Combinations of various tests can be advocated for a diagnosis of disease.

Reliability of test- When results for a test are nearly same for one sample on a single instrument then the results is reliable. Validity of test- When results for a test on different calibrated instrument shows nearly same when compared to standard results then it's a validity of test. I substantiable contraction of the contraction of the standard results then it's a validity of test. The lecture on "Critical Evaluation of Journal-Article" was delivered by Dr.Shilpa Badhe. Critical evaluation of article from UGC indexed Journal on Rutucharya in Aayurveda was taken for consideration.

What to see about Journal- publisher, Section of the Journal, ISSN number, peer reviewed Journal, year of publication, Issue and Volume of Journal, Page No.

What to see about article- Authors, credentials of authors, current position and past experience, area of expertise.

What to see in published material- Departure from author's specialty area. Title of article
 indicated Research Question. Look for meaningful Aim and complete Objectives. Study
 population, study settings. Abstract within 100-250 words, catchy, not too short or long.
 Introduction creates rationally for current study. Logical flowing sentences. In methodology Target population, sample frame, sampling technique used, sample size. Then material and
 methods like inclusion, exclusion criteria, statistical analysis and tests used. Results should
 contain appropriate tables, charts and graphs. Discussion – Interpreting and explaining results
 obtained. It should be meaningful, highlight the important findings of study, enough explanation
 and significant thinking, logical and reasoned the results properly. At the end Limitation of study

In second last session of the workshop Dr. Varsharani Chaudhari conducted a lecture on **"Types of Data and Data presentation"**. Data is collected from Observation Unit in research. Collection of data through; Primary sources- Direct interface with the observational unit. Types of data-Qualitative & Quantitative. Qualitative/ Discrete/ Frequency Continuation Data-Two





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types. Nominal eg. Colours of hair; and Ordinal- Degree of illness. Quantitative Data-Discrete and Continuous data. Discrete data is number used in Mortality, Birth rate etc. Continuous data varies both in characteristic and frequency. Types of Data Presentation- Tabular and Diagrammatic presentation is used for both Qualitative and Quantitative data.

At the end of the workshop, "Group Activity" was taken over the topics covered in theoretical lectures. Dr. Varsharani Chaudhari conducted this activity. Students were divided in different groups. Two article were given for the critical evaluation and students were asked to find the Good and substandard points from these article. Also group activity related to data presentation was taken. Colour of Eyes, Degree of illness, discharge from wound, temperature, BP was taken for consideration and students identified the type of data and presented in a Tabular and Graphical forms.

At end of the workshop vote of thanks was offered by Dr. Varshrani Chaudhari. Students took part in a workshop very enthusiastically and noted positive response. Dr. Shilpa Badhe madam address the students and appreciated their efforts.

Workshop Coordinator

Dr.Shilpa Badhe. MOD & PROFESSOR Dept. of Shalyatantra SMST Ayurved College & Hospital Dhomengaon, Taligatpuri, Ole Massik.



Dr. Pradeep Bhabad.

Principal

Principal SM&TAyurved College & Hospital Kundi-Hills Dhamangaan Dilgatpuni Dist Nashik

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## Basic Workshop in Research Methodology Programme Schedule

Venue &Organizer:

SMBT Ayurved College and Hospital,

Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

Date: 29/03/2020

2<sup>nd</sup> year BAMS (A Batch)

Year 2019-20

S.N	Topic	Method	Time (Min.)	Speaker	Time
1	Inauguration		15		08:00 am to 08:15 am
2	L-1: Descriptive studies	Lecture	90	Dr. Prashant Patil	08:15 am to 09:45 am
3	L-2 : Ethical issues in medical research	Lecture	60	Dr. Varsharani Chaudhari	09:45 am to 10:45 am
4	L-3: Evaluation of diagnostic test	Lecture	60	Dr. Gunjal Ankush	10:45 pm to 11:45 am
5	L-4: Critical evaluation of journal and articles	Lecture	90	Dr. Badhe Shilpa	11:45 am to 01:15 pm
6	Lunch		45		01:15 pm to 02:00 pm
7	L-5: Types of data and data presentation	Lecture	90	Dr. Varsharani Chaudhari	02:00 pm to 03:30 pm
8	GA-1: Group Activity	Group Activity	90	Dr. Varsharani Chaudhari	03:30 pm to 05:00 pm

**Details of Faculties:** 

Sr. No.	Name of Faculty	Designation	Department	College
01	Dr. Varsharani Chaudhari	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
02	Dr. Prashant Patil	Asso. Professor	Prasutitantra evam Strirog	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
03	Dr. Ankush Gunjal	Asst. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
04	Dr. Shilpa Badhe	Professor	Shalyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik



	Attendance for Research Methodology Workshop Second Year Batch-A-(29-03-2020)								
Sr No	Name Of Student		here -	sestion.		LEALON	sezzin		
1	ANSARI TANVEER AHEMAD MOHD AYYUB	P	$\rho^2$	P	<u>4</u> p	p p	P		
2	BADODKAR SAVYASACHI SANJAY	p	P	P	ρ	P	ρ		
3	BARTAKKE DURVA AJIT	P	P	p	p	P	Þ		
4	BELKADE DHANASHREE PRAKASH	Þ	P	P.	P	P	ρ		
5	BHAGAT YASH PRABHAKAR	ρ	p	p	P	Ŕ	ρ		
6	BHARATI JAYPRAKASH MAROTI	ГР Р	p	P	P	P	p		
7	BHOIR DHANASHRI VASUDEV	P	P	ρ	ρ	ρ	ρ		
8	BHONE AYUSHA PRAMOD	Р	Р	P	P	P	P		
9	BHUJBAL NÉHA JAGANNATH	P	ρ	P	ρ	ρ	p		
10	BODKE PARAG RAJENDRA	р	ρ	P	p	Ρ	P		
11	CHATE SHRADDHA DEVIDAS	ρ	Р	P	ρ	ρ	þ		
12	CHAUDHARI SHAMIKA NITIN	P	ρ	ρ	P	P	P		
13	CHAVHAN SHRADDHA DILIP	þ	Р	р	Р	р	Þ		
14	CHOUDHARY SAMRUDHI ASHOK	Р	P	Р	ρ	P	p		
15	CHOURE SUMATI VASANTRAO	ρ	P	P	P	P	р		
16	DESHMUKH MRUNMAYEE DIWAKAR	P	P	Р	P	P	ρ		
17	DHANWADE PRATIKSHA SAMBHAJI	P	ρ	P	р	Р	P		
18	DHUMAL VISWAJEET VIJAYKUMAR	P	ρ	Р	P	P	P		
19	DIVEKAR GAYATRI PRASAD	P	P	р	P	P	P		
20	HANKARE PRANJALI SUDHAKAR	P	P	þ	P	ρ	ρ		
21	HARNE PREETI YOGESH	P	p	P	р	P	P		
22	HIRAVE BHAGYASHREE SUKHADEV	P	ρ	p	P	P	P		
23	INGLE KOMAL ANIL	P	P	р	р	ρ	р		
24	INGLE SHRIDHAR DATTA	P	P	p	Þ	P	ρ		
25	JEUGHALE NIKHIL VASANT	P	р	P	ρ	ρ	P		
26	KAJALE NIKHILKUMAR VISHNUDAS	P	Ρ	ρ	P	P	P		
27	KATHER PRAJWAL BAJIRAO	P	р	P	P	p	p		
28	KENDRE VIVEK VINAYAK	P	þ	Р	Р	ρ	ρ		
29	KHAN MOHAMMAD IZAN MAHEFUJ	Р	P	p	P	p	р		
30	KHANDEKAR SHAMA SHARAD	P	р	P	P	P	P		

.



Fourse Coordination Of R Dept. of Shalyatanita SMRT Ayurved College & Hospital Dhamangaon, Dikiyatpun, Dist.Nashit.



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#### Date- 30/03/2020

## DEVICE OF THE REPORT OF THE PROPERTY OF THE PR

SMBT Ayurved college and hospital has arranged a workshop on Basic Research Methodology for third year students, on dated 29<sup>th</sup> March 2020. The workshop was organized by the HSET Cell of college. The motto behind the conduction of such workshop was to train students in the field of Research. The workshop was conducted Online by using Google-meet platform. The link for joining was shared on Whats App group. Online Dhanvantari Stavana was played at the start of workshop. The need of such training was explained by Dr. Badhe madam. Introduction of Speakers and description of schedule was done by Dr. Varsharani Chaudhari madam. The workshop was conducted on Sunday without hampering the curriculum of students.

basic knowledge about the Research and train them as per, so that they can conduct evidence based research in the field of Ayurveda from the very start of their UG course.

Participants- Third year UG - Batch 'A' 30 students.

Completed Workshop- Out of 30 students ,29 completed workshop successfully.

The first lecture was delivered by Dr.Ankush Gunjal on "Experimental Studies". Types of Experimental studies are- Animal study, Human trials- Randomized Controlled Trial/ RCT, Field trial and Community trial. Difference between study population and target population. Types of variable like Dependent and Independent Variables. Importance of Matching, Bias in matching and matching criteria's. To avoid bias Masking or Blinding is done. Types of blinding-Single, Double & Triple blind study. Four phases of Clinical research are also well explained by him.

Next to this Dr. Shilpa Badhe conducted a session on "Sampling Methods and Sample Size". Size and method of sample for any research work is dependent on the type of a study. Sample is drawn from the target population. Two types of sampling are Random / Probability sampling and Non Random / Non Probability sampling.

Probability sampling in which every unit in the study population has equal chance of being selected as a sample.

Non Probability sampling in which some units of population have no chance of selection in a sample.





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Simple random, Systematic, Stratified, Cluster, Multistage and Multiphase sampling are the types of Probability sampling. 12月1日の行人の改革30回20月1日の日本によりに 100 P 101 ર્ક સર્જી શાળાં છે.

Purposive, Quota, Convenience and Snowball sampling are the types of Non Probability sampling.

Dr.Badhe madam elaborated the concept of determination of sample size for different research types.

The lecture of "Inferential Statistics" was delivered by Dr. Patil Prashant. Descriptive and Inferential are types of statistics. In Inferential statistics some inference of a Research are made with the help of statistical test .

For qualitative Data assessment Non Parametric tests like Chi square test, Wilcoxon sign rank test- within same group, and Mann whitney 'U' test- in different groups are used.

For quantitative data analysis Parametric test like Students 't' test are used. 'Paired t test' for paired data i.e. within same group and 'Unpaired 1 test' for unpaired data like in 2 different groups.

ANOVA test is used when more than 2 group are present. 'Z' test is used for large sample size when data follows normal distribution.

Dr.Varsharani Chaudhari conducted a next lecture on "Writing Research protocol" A Research Protocol is a formal written record that one prepared Before research fieldwork is undertaken.

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Research protocol is a document that sates the background, objectives, rationale, design, methodology and statistical consideration of the study.

Contents of research protocol are- Title , Introduction (Research Question & Hypothesis, Rationale of study ), Aim & Objectives, Literature Review, Methodology (Research Design), Data collection, Analysis and Interpretation Methods, Ethical consideration, Study Time Frame, Reference style, Bibliography, List of Abbreviation, Budget, Annexure are very well elaborated by Dr. Chaudhari.

Analysis of observed and collected data is the important step in research. It needs computer with tence in lassistance. So the lecture on "Computer Assistance in Data Analysis- Excel" was taken by Dr. Shilpa Badhe. Data definition, types of data, Measures of Central tendency and Test of





## SMBT Sovabhavi Trust's

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significance was explained by her with the help of a computer. Use of Excel software for data entry and simple analysis was demonstrated by Badhe madam.

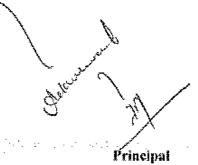
The "Group activity" was conducted by Dr.Shilpa Badhe madam for the topics covered in workshop. Groups were given different study types and asked to find the appropriate sample method for study. Simple random sampling, Systematic sampling are used for RCT. Purposive sampling when study population is very small. Cluster for Cohort etc. Then with the help of a Sample size determination formula, groups were come with their appropriate sample size depending upon type of study. Groups were advised to make a Research protocol with its appropriate content for chosen study type. Hands on training of use of Excel software was conducted with its demonstration like- Open file, then table of data, go to your file, choose excel sheet, then choose test finally make an analysis of test.

At end of the workshop vote of thanks was offered by Dr. Shilpa Badhe madam. Students took part in a workshop very enthusiastically and noted positive response, that this workshop will definitely help them for conducting a Research in medical field in their student life and also onwards.

Workshop Coordinator 🦢

Dr.Shilpa Badhe. HOD & PROFESSOR Dest. of Shalyatantra SMST Ayuved College & Hospital Diamangaon,Tallgatpuri, Dist.Nashk.

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Dr. Pradeep Bhabad.

Principal SMB.Tayured College & Hospital Nandi Hill Damargaon Bilgatput/Dathadik



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## **Basic Workshop in Research Methodology Programme Schedule** SMBT Ayurved College and Hospital,

Venue & Organizer:

Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

Date: 29/03/2020

				Year 2019-2	20
S.N	Topic	Method	Time (Min.)	Speaker	Time
1	Inauguration		15		08:00 am to 08:15 am
2	L-1: Experimental studies	Lecture	60	Dr. Ankush Gunjal	08:15 am to 09:15 am
3	L-2 : Sampling method and sample size	Lecture	90	Dr. Shipla Badhe	09:15 am to 10:45 am
4	L-3: Inferential statistics	Lecture	60	Dr. Prashant Patil	10:45 pm to 11:45 am
5	L-4: Writing research protocol	Lecture	90	Dr. Varsharani Chaudhari	11:45 am to 01:15 pm
6	Lunch		45		01:15 pm to 02:00 pm
7	L-5: Computer assistance in data analysis Excel	Lecture Demo	90	Dr. Shilpa Badhe	02:00 pm to 03:30 pm
8	GA-1: Group Activity	Group Activity	90	Dr. Shilpa Badhe	03:30 pm to 05:00 pm

#### 3<sup>rd</sup> year BAMS (A Batch)

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**Details of Faculties:** 

Sr. No.	Name of Faculty	Designation	Department	College
01	Dr. Varsharani Chaudhari	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
02	Dr. Prashant Patil	Asso. Professor	Prasutitantra evam Strirog	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
03	Dr. Ankush Gunjal	Asst. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
04	Dr. Shilpa Badhe	Professor	Shəlyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik



Attendance for Research Methodology Workshop Third Year								
Sr No	Batch-A-(29- Name Of Student	03-2020	11321011	1 Sezion	Action	1 XCLLOW	1 REFUE	
1	AHER DHANASHREE VASANTRAO	p	$\frac{2}{\rho}$	P P	- <u>4</u> P	P P	6 P	
2	AHER KOMAL RAJEEV	Γ P	p	0	p	p	p	
3	AHIRE RUTUJA SANJAY	Γ <sub>ρ</sub>	0	p	- r 12	$\frac{r}{\rho}$	p P	
4	BHADANE SHRUTI BHASKAR	P	P	ρ	$\frac{1}{0}$	p	P	
5	BHAGWAT MONALI KAILAS	p	P	ρ	P	ρ	P	
8	BHERE SHITAL BALKRISHANA	p	Γ <sub>ρ</sub>	p	p		p	
7	BHOIR ASHWINI ULHAS	ρ	ρ	P	P	P P	P	
8	BHOIR KOMAL MANOHAR	ρ	ρ	p	2	ρ	P	
9	BOLLAY JASWINDER KAUR KARNAIL SINGH	ρ	P	ρ	p	p	P	
10	DANDAWATE AYUSH RAJENDRA	ρ	ρ	ρ	Ď	p	p	
11	DESALE NILESH VILAS	ρ	P	p	p	P	p	
12	DESALE VIPUL SANTOSH	p	P	p	þ	P	P	
13	DHIKALE GHANSHAM ASHOK	ρ	P	ρ	Ω.	p	p	
14	DHOLE RHUTUJA SANTOSH	P	ρ	P	ρ	p	p	
15	DOIFODE SHUBHANGI SANJAY	ρ	ρ	Þ	p	Γ'ρ	P	
16	GADGE AISHWARYA DIPAK	ρ	ρ	P	p	P	ρ	
17	GAIKWAD MANASI DILIP	ρ	P	p	P	ρ	P	
18	GHARAT DIVYA DHANAJI	A	A	P	A	À	R	
19	HALDE SWATI TRAMBAK	p	P	p	ρ	P	p	
20	JAGALE SNEHA NITIN	ρ	P	p	ρ	p	P	
21	JAIN MOHIT SUNIL	P	p	P	P	p	þ	
22	JAMDAR MAYURI VASANTRAO	p	ρ	p	2	Þ	p	
23	JAYKAR PRAJAKTA EKNATH	Þ	P	p	ρ	P	P	
24	JHA SWETAKUMARI JEETENDRA	1 P	P	þ	ρ	þ	Þ	
25	KADAM BHAKTI ANIL	p	p	p	P	P	P	
26	KADUSKAR RUTUJA DAGADU	p	p	Þ	P	P	P	
27	KALE KANCHAN KAILAS	ρ	P	p	ρ	P	ρ	
28	KASLIWAL SAMARTH VIPIN	p	ρ	p	p	ρ	p	
29	KESARKAR AKSHATA SUNIL	Þ	P	þ	P	P	P	
30	KHATKE CHIRAG SURESH	р	ρ	p	P	p	P	

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**Course Coordinator** R Bert, of Shalyacantra SMIT Ayurved College & Hospital Dhamangson Taligatpur, Dist.Nashik

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#### SMBT Sevabhavi Trust's SMBT AYURVED COLLEGE AND HOSPITAL

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#### Date- 07/04/2020

#### **BASIC RESEARCH METHODOLOGY WORKSHOP REPORT**

SMBT Ayurved College and hospital has arranged a workshop on Basic Research Methodology on dated 05 April 2020. The workshop was organized for first year UG students by the HSET Cell of college. Motto behind the conduction of such workshop was to train students in the field of Research. The workshop was conducted Online by using Google-meet platform. The link for joining was shared on Whats App group. Online Dhanvantari Stavana was played at the start of workshop. The need of such training was explained by Dr. Badhe madam. Introduction of Speakers was done by Dr. Varsharani Chaudhari madam.

Aim of conduction of Basic Research Methodology workshop for UG students to give basic knowledge about the Research and train them as per, so that they can conduct evidence based research in the field of Ayurveda from the very start of their UG course.

Participants- First year UG - Batch 'B' 30 students.

Completed Workshop- Out of 30 students ,28 completed workshop successfully.

In the first lecture of workshop Dr. Varshrani Chaudhari addresses the participants with topic "Introduction to Research Methodology". Definition of Research, Evolution of Medical Research, Ayurveda terms for research like Anusandhana, Anveshana, Gaveshana, Paryeshana, Shodha etc. were explained by her. RESEARCH can be comprised in to

- R- Kethinking
- E- Experimental method
- S- Survey
- E- Evaluation
- A- Age, Altitude, Aptitude
- R- Recognition
- C- Current affairs
- H- Head, Heart, Hand & Health.





# SMBT AYURVED COLLEGE AND HOSPITAL

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"Research Methodology- It is defined as a highly intellectual human activity used in the investigation of Nature and Matter & deals with the manner in which data is collected, analyzed and interpreted" Aim of research is finding out the new facts of verification of the old facts to follow the appropriate knowledge, so we can get better quality of knowledge. Characteristic of good research are as follows-

- F- Feasible.
- I- Interesting
- N- Novel
- E- Ethical

The next lecture "Types of Research" was taken by Dr. Patil Prashant. Two type Researches are-

1] Perspective:- Cause to effect

Retrospective:- Effect to Cause.

2] Observational:- Observations are made on small number group of patients.

Interventional:- Some interventions are made and outcome is monitored.

a page and an all Descriptive:- Various types of survey, inquiry are included.

Analytical:- Researcher use information which is already available and analyze these to make a critical evaluation.

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4] Pre-clinical:- Drug trial and animal studies.

Clinical:- Interventional and experimental studies. Human subjects are involved.

5] Qualitative:- Used for qualitative data like health, quality of life.

Quantitative:- Used for measurable data.

6] Clinical- Observational are Case report and case series where interventional are Clinical trials.





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Epidemiological- Observational are Cohort, Cross sectional, Case control studies. Interventional are Field surveys.

Third lecture of the workshop "Literature Search" was taken by Dr. Shilpa Badhe. She talked about the sources and types of literature search. Academic text books, Journal articles and literature available on Internet are the sources. Traditional, Systemic, Meta-analysis and Meta – synthesis are the types of literature search. DHARA, AYUSH portal and PubMed, Google Scholar are some literature search engines available on internet. "And, Or and Not" are Bulleaou words used in online literature search. Literature search helps researcher to find the knowledge gap and can adopt same methodology from previous researches for a new one.

Dr. Prashant Patil conducted a lecture on "Qualitative Research". It is a collection, analysis and interpretation of data by what people do and say. It is a subjective research. Types of Qualitative Research are interview, Focus Group Discussion and participant Observation Techniques. Characteristics and the difference between Qualitative and Quantitative research, advantages and disadvantages of Qualitative research was explained very well by him.

The second last lecture of the workshop was taken by Dr.Ankush Gunjal on "Questionnaire Designing". Questionnaire is depends on the type of study design. Types of Questionnaire-2 types. Open Ended- where respondent expresses fillings freely. No predefined answers in this type. Close ended – In this type researcher provides 'with option form' to participants and participants have to choose the answer from predefined answers. Principles of Questionnaire designing, Strength and Limitation of Questionnaire designing, Validity and Reliability was discussed in the lecture.

At the end of the workshop, "Group Activity" was taken over the topics covered in lectures. Dr. Prashant Patil took an activity. Students were divided in to three groups. Groups were motivated to search a literature research topic in text books and on internet. Then make a questionnaire related to topic. Students made search about the Prakruti-Paraikshana according to Ayurveda in Charak, Vagbhata and Sushtura Samhitas. They used Pubmed, Google Scholar engine for literature search. All groups developed a questionnaire related to 'Finding a Prakruti' of a Person in general. Students enjoyed the activity and developed their own questionnaire.





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At last the vote of thanks was provided by Dr. Prashant Patil. Students noted positive response about the workshop.



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Workshop Coordinator

Dr. Shilpa Badhe.

HOD & PROFESSOR Dept. of Shalyatantra SMBT Ayuved College & Hospital Dhamaargoon, Tal Igatpuri Disc. Nashik Principal

Dr. Pradeep Bhabad,

Principal S.M.B.T.Ayurved College & Hospital Nandi-Hits.Dhamargeoc.Dilgatperi.Dist.Natibit





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#### Basic Workshop in Research Methodology Programme Schedule SMBT Ayurved College and Hospital,

Venue &Organizer:

Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

Date: 05/04/2020

1<sup>st</sup> year BAMS (B Batch)

Year 2019-20

S.N	Торіс	Method	Time (Min.)	Speaker	Time
1	Inauguration		15		08:00 am to 08:15 am
2	L-1: Introduction to Research Methodology	Lecture	60	Dr. Varsharani Chaudhari	08:15 am to 09:15 am
3	L-2 : Types of research	Lecture	60	Dr. Prashant Patil	09:15 am to 10:15 am
4	L-3: Literature search	Lecture	90	Dr. Badhe Shilpa	10:15 pm to 11:45 am
5	L-4: Qualitative Research	Lecture	90	Dr. Prashant Patil	11:45 am to 01:15 pm
6	Lunch		45		01:15 pm to 02:00 pm
7	L-4: Questionnaire	Lecture	90	Dr. Gunjal Ankush	02:00 pm to 03:30 pm
8	GA-1: Group Activity	Group Activity	90	Dr. Prashant Patil	03:30 pm to 05:00 pm

**Details of Faculties:** 

Sr. No.	Name of Faculty	Designatio n	Department	College
01	Dr. Varsharani Chaudhari	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
02	Dr. Prashant Patil	Asso. Professor	Prasutitantra evam Strirog	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
03	Dr. Ankush Gunjal	Asst. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
04	Dr. Shilpa Badhe	Professor	Shalyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik



Attendance for Research Methodology Workshop First Year Batch-B- (05-04-2020)							
Sr No	Name Of Student	-5125107	Ression	Lession	Seasion 4	Service	Lusio
1	KHILLARE ONKAR DATTATRAYA	P	ρ	P	P	ρ	P
2	MAHAJAN ASHWINEE RAVINDRA	P	p	Р	P	p	p
3	MANDLIK PRACHI SUNIL	ρ	ρ	P	p	p	ρ
4	MHATRE RUTIKA JIVAN	p	p	17	P	ρ	P
5	MORE DIPASHRI MANOJ	P	ρ	P	ρ	ρ	P
6	NANDRE NILIMA NARAYAN	ρ	P	ρ	ρ	P	ρ
7	NEHE TRUPTI SUNIL	ρ	p	p	p	p	P
8	NEVDE NISHIGANDHA KALYAN	P	p	P	ρ	P	p
g	NYAHARKAR KAMLESH DHANANJAY	p	Р	p	ρ	P	p
10	PACHPUTE SHARADA SUBHASH	P	p	P	P	P	ρ
11	PATIL ASHISH ARUN	A	ρ	p	Ŕ	ß	Ĥ
12	PATIL NIKITA MADHUKAR	р	P	P	p	P	p
13	PATIL SIDDHARTH SAHEBRAO	P	P	9	ρ	p	P
14	PAWAR OMKAR HIRAMAN	P	P	p	p	P	p
15	PILLAY FRANKO PRINCE	ρ	P	P	P	2	þ
16	RANE CHETANA SURESH	р	p	p	ρ	P	p
17	RANE JATINKUMAR VUAY	p	p	ρ	p	Ŷ	P
18	SARBHUKAN MAYURI NITIN	P	p	9	ρ	ρ	p
19	SASANE SHUBHAM BANDU	ρ	P	þ	p	ρ	P
20	SAWSAKKE ANJALI GANESH	P	P	P	ρ	ρ	p
21	SHINDE RUSHIKESH SANTOSH	P	P	P	p	ρ	₽
22	SHINDE SHUBHAM DILIP	p	ρ	P	P	р	P
23	SONAWANE AKASH RAJENDRA	þ	p	P	P	р	P
24	THOMBRE PRIYA BHAGUJI	P	Р	ρ	9	P	ρ
25	TIPANE SHUBHAM SANJAY	p	р	A	A	P	P
26	TIPLE DISHA KARMAVIR	P	P	ρ	P	P	p
27	VAIDYA SHWETA VASANTRAO	Þ	p	Р	P	p	P
28	WAGH YASHPAL HASRATH	P	p	Ρ	9	P	P
29	YADAV VISHAL LALII	P	P	P	P	P	P
30	YELMOTE RUTUJA PRASHANT	P	P	ρ	P	ρ	P

i **Cours & Coortination** O R Dept. of Shalyatantre SMBT Ayurved College & Hospital Dhamangaon Tallgatouri Dist.Naski.



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#### Date- 07/04/2020

#### HARRING WERNING BASIC RESEARCH METHODOLOGY WORKSHOP REPORTED AND STORE AND STORE

SMBT Ayurved college and hospital has arranged a workshop on Basic Research Methodology on dated 05<sup>th</sup> April 2020. The workshop was organized for Second year UG students by the HSET Cell of college. The motto behind the conduction of such workshop was to train students in the field of Research. The workshop was conducted Online by using Googlemeet platform. The link for joining was shared on Whats App group. Online Dhanvantari Stavana was played at the start of workshop. The need of such training was explained by Dr. Badhe madam. Introduction of Speakers and description of schedule was done by Dr. Varsharani Chaudhari madam.

knowledge about the Research and train them as per, so that they can conduct evidence based research in the field of Ayurveda from the very start of their UG course.

Participants- Second year UG - Batch 'B' 30 students.

Completed Workshop- All 30 students completed workshop successfully.

On the start of the workshop the lecture about "Descriptive studies" was conducted by Dr. Patil Prashant. Descriptive study is a Observational study where Observations are made on small group of patients. Inquiry type of studies like field survey are included in this type. Can be used for both qualitative and quantitative data. Case Reporting, Case series and longitudinal studies are types of descriptive studies. Case reporting is done in case of rare findings related to any case. Case Series is reporting or publication of a same findings in group of patients. Longitudinal studies are long time consuming studies, Case Control, Cross sectional and Cohort. Descriptive studies are Hypothesis generating studies.

Dr. Varsharani Chaudhari delivered lecture on "Ethical Issues in Medical Research" and focused on some special points. Definition of Ethics Committee- An ethics committee is a committee formally designed to review and approve the initiation of a clinical research study involving Human subjects and to provide continuing review of the research study. Formation and responsibilities if IEC was explained. She explained the ethical issues in medical research like-Principle of essentiality, Precaution & risk minimization, Accountability and Transparency, Vulnerable and Special group, Compensation for research related harm, remuneration for the Participant, Ancillary care, Conflict of Interest, Process of Informed Consent and its Importance,





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#### SMBT Sevabhavi Trust's SMBT AYURVED COLLEGE AND HOSPITAL

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Privacy and Confidentiality, Distributive Justice, Community Engagement, Post research access and Benefit sharing.

Next day the lecture about "Evaluation of Diagnostic Tests" was delivered by Dr.Shilpa Badhe. Screening and Diagnostic tests are two different modalities to reach up to the final diagnosis of any disease. Screening tests are done in a group of likelihood of presence of disease and Diagnostic tests are done on Screened patients to confirm and make a final diagnosis. Sensitivity is the ability of a test to correctly identify those with disease i.e. True positive rate. Combinations of various tests can be advocated for a diagnosis of disease.

Reliability of test- When results for a test are nearly same for one sample on a single instrument then the results is reliable. Validity of test- When results for a test on different calibrated instrument shows nearly same when compared to standard results then, it's a validity of test, distance to be a standard results then, it's a validity of test. The lecture on "Critical Evaluation of Journal-Article" was delivered by Dr.Shilpa Badhe. Critical evaluation of article from UGC indexed Journal on Rutucharya in Aayurveda was taken for consideration.

What to see about Journal- publisher, Section of the Journal, ISSN number, peer reviewed Journal, year of publication, Issue and Volume of Journal, Page No.

What to see about article- Authors, credentials of authors, current position and past experience, area of expertise.

What to see in published material- Departure from author's specialty area. Title of article indicated Research Question. Look for meaningful Aim and complete Objectives. Study population, study settings. Abstract within 100-250 words, catchy, not too short or long. Introduction creates rationally for current study. Logical flowing sentences. In methodology-Target population, sample frame, sampling technique used, sample size. Then material and methods like Inclusion, exclusion criteria, statistical analysis and tests used. Results should contain appropriate tables, charts and graphs. Discussion – Interpreting and explaining results obtained. It should be meaningful, highlight the important findings of study, enough explanation and significant thinking, logical and reasoned the results properly. At the end Limitation of study and Conflict of Interest if any.

In second last session of the workshop Dr. Varsharani Chaudhari conducted a lecture on **"Types of Data and Data presentation"**. Data is collected from Observation Unit in research. Collection of data through; Primary sources- Direct interface with the observational unit. Types of data-Qualitative & Quantitative. Qualitative/ Discrete/ Frequency Continuation Data-Two





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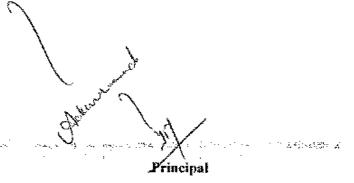
types. Nominal eg. Colours of hair; and Ordinal- Degree of illness. Quantitative Data- Discrete and Continuous data. Discrete data is number used in Mortality, Birth rate etc. Continuous data varies both in characteristic and frequency. Types of Data Presentation- Tabular and Diagrammatic presentation is used for both Qualitative and Quantitative data.

At the end of the workshop, "Group Activity" was taken over the topics covered in theoretical lectures. Dr. Varsharani Chaudhari conducted this activity. Students were divided in different groups. Two article were given for the critical evaluation and students were asked to find the Good and substandard points from these article. Also group activity related to data presentation was taken. Colour of Eyes, Degree of illness, discharge from wound, temperature, BP was taken for consideration and students identified the type of data and presented in a Tabular and Graphical forms.

At end of the workshop vote of thanks was offered by Dr. Varshrant Chaudhari. Students took part in a workshop very enthusiastically and noted positive response. Dr. Shilpa Badhe madam address the students and appreciated their efforts.

Workshop Coordinator

Dr.Shilpa Badhe. MOD & PROFESSOR Dest. of Shalyatantra Shill Ayurved College & Hospital Ohimangaon Tallgethori, Olst. Alashk.



Dr. Pradeep Bhabad.

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## Basic Workshop in Research Methodology Programme Schedule SMBT Ayurved College and Hospital,

Venue &Organizer:

Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

Date: 05/04/2020

	2 <sup>nd</sup> year BAMS (B Bat	tch)	Year 2019-20				
S.N	Topic	Method	Time (Min.)	Speaker	Time		
1	Inauguration		15		08:00 am to 08:15 am		
2	L-1: Descriptive studies	Lecture	90	Dr. Prashant Patil	08:15 am to 09:45 am		
3	L-2 : Ethical issues in medical research	Lecture	60	Dr. Varsharani Chaudhari	09:45 am to 10:45 am		
4	L-3: Evaluation of diagnostic test	Lecture	60	Dr. Gunjal Ankush	10:45 pm to 11:45 am		
5	L-4: Critical evaluation of journal and articles	Lecture	90	Dr. Badhe Shilpa	11:45 am to 01:15 pm		
6	Lunch		45		01:15 pm to 02:00 pm		
7	L-5: Types of data and data presentation	Lecture	90	Dr. Varsharani Chaudhari	02:00 pm to 03:30 pm		
8	GA-1: Group Activity	Group Activity	90	Dr. Varsharani Chaudhari	03:30 pm to 05:00 pm		

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03	Dr. Ankush Gunjal	Asst. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
04	Dr. Shilpa Badhe	Professor	Shalyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik



Attendance for Research Methodology Workshop Second Year Ba B-(05-04-2020)								
Sr No	Name Of Student		susio	session	session	, <del>kusis</del>	, 	
1	KOKATE SWAPNALI SANTOSHRAO	0	2 P	<u>я</u> Р	P P	p	-	
2	KUKAREIA MANISHA SHANKAR	р р	p	P	r P	P	P p	
3		Γ ρ	p p	r Ø	P	p P		
4	MAHAJAN TANAYA YASHWANT	<u>r</u>	ρ	P	P	P	P P	
5	MALODE DEVIPRASAD KISAN	p	ρ	ρ	л р		P	
6	MANDAGE ROHANKUMAR BALKRUSHNA	p	ρ	ρ	ρ	Г Р	ρ	
7	MISHRA SAUMYA SURESH	P	ρ	p	p	P	P	
8	MULEY KAUSTUBH AVINASH	ρ	p	P	P	ρ	P	
9	NAIK SWAPNALI BANDU	p	p	0	Γ β	p	P	
10	PATIL KALYANI VIKAS	ρ	p	p	p	ρ	P	
11	PATIL MAYURI SANJAY	p	ρ	p	ρ	$\hat{\boldsymbol{\rho}}$	P	
12	PATIL OJASWITA SHAHAJI	p	P	p	p	P	P	
13	PATIL PRANALI ISHWAR	P	P	P	þ	P	P	
14	PATIL SAKSHI KANHAIYALAL	ρ	P	p	P	ρ	P	
15	PATIL VARSHA RATILAL	p	ρ	ρ	p	P	P	
16	PAWAR ANUJA ANIL	ρ	P	ρ	ρ	p	P	
17	PAWAR JANHVI RUSTUM	ρ	P	P	P	P	P	
18	SALUNKHE ANIL SHIVAJI	p	P	ρ	P	P	P	
19	SAYAR PRANAV PREMSINGH	P	ρ	ρ	p	p	P	
20	SHELKE SWATI CHANDRAKANT	ρ	P	4	ρ	P	P	
21	SHINDE NIRANJAN ULHAS	P	P	ρ	ρ	P	P	
22	SOLASE NIYATA YASHWANT	P	P	P	P	P	P	
23	THAKARE SHRADDHA PARASHARAM	p	P	ρ	ρ	ρ	P	
24	THETE OMKAR SOMNATH	P	Р	P	ρ	ρ	Þ	
25	TRIBHUVAN YOGESH RAÓSAHEB	Þ	P	p	p	p	ρ	
26	UGHADE TRUNALI SUBHASH	ρ	p	P	P	P	P	
27	VENGURLEKAR ASHLESHA CHANDRASHEKHAR	P	p	р	p	P	P	
28	WANKHEDE JIGNESH RAJARAM	P	P	Р	P	P	P	
29	WAYAL NIKITA DAMODHAR	P	P	P	P	P	P	
30	YEWALE HEMANGI SHIVAJI	ρ	P	P	P	P	P	

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#### Date- 7/04/2020

#### AGOAL AND ANY STRENG BASIC RESEARCH METHODOLOGY WORKSHOP REPORTED AND A SHALL DO AN

SMBT Ayurved college and hospital has arranged a workshop on Basic Research Methodology for Third year students, on dated 05<sup>th</sup> April 2020. The workshop was organized by the HSET Cell of college. The motto behind the conduction of such workshop was to train students in the field of Research. The workshop was conducted Online by using Google-meet platform. The link for joining was shared on Whats App group. Online Dhanvantari Stavana was played at the start of workshop. The need of such training was explained by Dr. Badhe madam. Introduction of Speakers and description of schedule was done by Dr. Varsharani Chaudhari madam.

Aim of conduction of Basic Research Methodology workshop for UG students to give basic knowledge about the Research and train them as per, so that they can conduct evidence based research in the field of Ayurveda from the very start of their UG course.

Participants- Third year UG - Batch 'B' 30 students.

Completed Workshop- Out of 30 students ,29 completed workshop successfully.

The first lecture was delivered by Dr.Ankush Gunjal on "Experimental Studies". Types of Experimental studies are- Animal study, Human trials- Randomized Controlled Trial/ RCT, Field trial and Community trial. Difference between study population and target population. Types of variable like Dependent and Independent Variables. Importance of Matching, Bias in matching and matching-eriteria's. To avoid bias Masking or Blinding-is done. Types of blinding-Single, Double & Triple blind study. Four phases of Clinical research are also well explained by him.

Next to this Dr. Shilpa Badhe conducted a session on "Sampling Methods and Sample Size". Size and method of sample for any research work is dependent on the type of a study. Sample is drawn from the target population. Two types of sampling are Random / Probability sampling and Non Random / Non Probability sampling.

Probability sampling in which every unit in the study population has equal chance of being selected as a sample.

Non Probability sampling in which some units of population have no chance of selection in a sample.





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Simple random, Systematic, Stratified, Cluster, Multistage and Multiphase sampling are the types of Probability sampling.

Purposive, Quota, Convenience and Snowball sampling are the types of Non Probability sampling,

Dr.Badhe madam elaborated the concept of determination of sample size for different research types.

The lecture of "Inferential Statistics" was delivered by Dr. Patil Prashant. Descriptive and Inferential are types of statistics. In Inferential statistics some inference of a Research are made with the help of statistical test.

For gualitative Data assessment Non Parametric tests like Chi square test. Wilcoxon sign rank test- within same group, and Mann whitney 'U' test- in different groups are used.

For quantitative data analysis Parametric test like Students 't' test are used. 'Paired t test' for paired data i.e. within same group and 'Unpaired t test' for unpaired data like in 2 different groups.

ANOVA test is used when more than 2 group are present. 'Z' test is used for large sample size when data follows normal distribution.

Dr. Varsharani Chaudhari conducted a next lecture on "Writing Research protocol" A Research Protocol is a formal written record that one prepared Before research fieldwork is undertaken.

Research protocol is a document that sates the background, objectives, rationale, design, methodology and statistical consideration of the study.

Contents of research protocol are- Title, Introduction (Research Question & Hypothesis, Rationale of study), Aim & Objectives, Literature Review, Methodology (Research Design), Data collection, Analysis and Interpretation Methods, Ethical consideration, Study Time Frame, Reference style, Bibliography, List of Abbreviation, Budget, Annexure are very well elaborated by Dr. Chaudhari.

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Analysis of observed and collected data is the important step in research. It needs computer assistance: So the lecture on "Computer Assistance in Data Analysis- Excel" was taken by Dr. Shilpa Badhe. Data definition, types of data. Measures of Central tendency and Test of





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significance was explained by her with the help of a computer. Use of Excel software for data entry and simple analysis was demonstrated by Badhe madam.

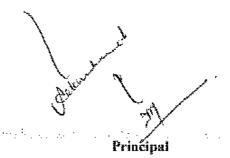
The "Group activity" was conducted by Dr.Shilpa Badhe madam for the topics covered in workshop. Groups were given different study types and asked to find the appropriate sample method for study. Simple random sampling, Systematic sampling are used for RCT. Purposive sampling when study population is very small. Cluster for Cohort etc. Then with the help of a Sample size determination formula, groups were come with their appropriate sample size depending upon type of study. Groups were advised to make a Research protocol with its appropriate content for chosen study type. Hands on training of use of Excel software was conducted with its demonstration like- Open file, then table of data, go to your file, choose excel sheet, then choose test finally make an analysis of test.

At end of the workshop vote of thanks was offered by Dr. Shilpa Badhe madam. Students took part in a workshop very enthusiastically and noted positive response, that this workshop will definitely help them for conducting a Research in medical field in their student life and also onwards.

Workshop Coordinator

Dr.Shilpa Badhe. MOD & PROFESSOR Dent. of Shalyatantra SMBT Ayurved College & Hospital Dhamangaso, Yakipatpuri, Cist, Haspital

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Dr. Pradeep Bhabad.

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### Basic Workshop in Research Methodology Programme Schedule SMBT Ayurved College and Hospital,

Venue &Organizer:

Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

Date: 05/04/2020

3 <sup>rd</sup> year BAMS (B Batch)			Year 2019-20				
S.N	Торіс	Method	Time (Min.)	Speaker	Time		
1	Inauguration		15		08:00 am to 08:15 am		
2	L-1: Experimental studies	Lecture	60	Dr. Ankush Gunjal	08:15 am to 09:15 am		
3	L-2 : Sampling method and sample size	Lecture	90	Dr. Shipla Badhe	09:15 am to 10:45 am		
4	L-3: Inferential statistics	Lecture	60	Dr. Prashant Patil	10:45 pm to 11:45 am		
5	L-4: Writing research protocol	Lecture	90	Dr. Varsharani Chaudhari	11:45 am to 01:15 pm		
6	Lunch		45		01:15 pm to 02:00 pm		
7	L-5: Computer assistance in data analysis Excel	Lecture Demo	90	Dr. Shilpa Badhe	02:00 pm to 03:30 pm		
8	GA-1: Group Activity	Group Activity	90	Dr. Shilpa Badhe	03:30 pm to 05:00 pm		

## **Details of Faculties:**

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03	Dr. Ankush Gunjal	Asst. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
04	Dr. Shilpa Badhe	Professor	Shalyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik



Attendance for Research Methodology Workshop Third Year Batch-B-(05-04-2020)							
Sr No			Section .	Appen	ALING	session	5050
1	KSHIRSAGAR PRADNYA KALYANRAQ	Þ	2. P	P	4 p	p P	P P
2	MEHETRE ROHAN SUNIL	p	p	ρ	l p	ρ	P
3	MORE VUAY ARJUN	ρ	Ŷ	D	p P	P P	
4	MUTADAK PRAJAKTA GOKUL	P	ρ	p	þ þ	p P	
5	NAIK KRUPA NILESH		P	p	P	P	P P
6	NARAWADE ARTI APPASAHEB	p	p	p	P	ρ	p p
7	NIKAM SNEHA DHANANJAY	ρ	p	p	ρ	p	p
8	OMASE VIDYA GOVIND	ρ	P	p	p	, P	P
9	PAL NANDANI HARISHCHANDRA	P	p	ρ	p	p	p p
10	PARIKH BHAVYA KIRAN	9	P	p	p	P	Γ P
11	PATIL DHANASHRI RAVINDRA	p	P	ρ	P	Þ	P
12	PATIL PRAJAKTA AJAY	p'	Þ	p	P	Þ	p
13	PATIL PRAJAKTA RAMCHANDRA	Р	Þ	P	P	P	p
14	PATIL PRIYADARSHANI SUBHASH	- P	ρ	p	P	P	P
15	PAWAR RENU SUHAS	p	p	p	P	Þ	P
16	PHANSE DHANANJAY BABASAHEB	ρ	P	Þ	P	P	P
17	SAKHARE AKANKSHA SURENDRA	Þ	p	p	P	Þ	P
18	SAPKAL NIKITA BHAGWAN	A	PI	Ŕ	p	p	P
19	SHAH SALONI PAWAN	p	P	P	l p	P	P
20	SHARMA SWAPNIL NAGESH	p	ρ	p	ρ	P	ρ
21	SHEVARE AISHWARYA KHUSHAL	P	p	P	p	P	p
22	SONAWANE NILESH SHASHIKANT	P	P	p	p	P	p
23	SONAWANE PRATIKSHA CHHAGAN	P	P	p	P	p	ρ
24	THAKUR MANSI BHAGVAN	P	ρ	ρ	P	, P	P
25	THAREWAL SANKET MANOJ	P	P	P	p	P	p
26	THIGALE DIVYA RAJESH	P	P	P	P	p	p
27	UGALE ARADHANA ATMARAM	p	P	P	P	P	ρ
28	USHIRE DIPALI GANGARAM	ρ	p	ρ	P	p	P
29	VARPE VIDYA BABAJI	p	p	P	p	p	p
30	VIGHNE RUPALI BALKRUSHNA	P	P	P	R	p	P

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**Opin State College** & Hotpus Dept. of Shalyatantra SMBT Aponed College & Hotpus Chamang.co. Etigapun Dist. Nasha.



## SMBT Severable of Trust's

Nandihilis, Dhamangaon-Ghoti, Tal. Igalouri, Nashik-422403 Ph. (02553) 282341 Email : principal.ayurved@smbLedu.in | smbtayurved@gmail.com | www.smbLedu.in

#### 20/03/2021

#### CIRCULAR

- HSET Committee of SMBT Ayurved College and Hospital is conducting a Basic Research Methodology Workshop for UG students to add knowledge regarding Research. The batches for students are as follows
- 2) A) First year batch A & B
  - B) Second year batch A & B
  - C) Third year batch A & B

 Schedule - Date - 28/03/2021 for Batch 'A'- First, Second & Third year students. 4/04/2021 for Batch 'B'- First, Second & Third year students.

Venue - Year wise respective classrooms

4) Please note Brochure, Schedule and Batches displayed on Notice Board.



SMBT Ayurved College & Hospital

Principal SM 8.1. Ayuved College & Hospital Jandi Hills, Dhamargaen, Belganguni, Ost Nashik



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Date- 30/03/2021

## BASIC RESEARCH METHODOLOGY WORKSHOP REPORT

- 1. SMBT Ayurved College and Hospital has organized a 'BASIC RESEARCH METHODOLOGY WORKSHOP' for First year students.
- 2. Location- First Year Classroom.
- 3. Date and Time of Conduction- 28/03/2021 ; 8:00 5:00 pm.
- 4. Name of the Organizing Department- HSET Cell of College.
- 5. Aim of The Workshop- To give basic knowledge about the Research and train UG students as per, so that they can conduct evidence based research in the field of Ayurveda from the very start of their UG course.
- 6. Participants- Batch 'A' students- 30
- 7. Completed Workshop- Out of 30 students, 29 students completed workshop successfully.
- 8. The workshop was started at 8:00 am with Dhanvantari Stavana and Lamp lightening ceremony by hands of workshop coordinator Dr. Varsharani Nipahde madam. Madam enlighten the Aim, Need and Importance of Research Methodology in today's era. Introduction of all participants and Faculty members was done by Dr. Ankush Gunjal sir.
- 9. Summary- The first lecture was started at 8:15 am.
- 10. "Introduction to Research Methodology"- Dr. Varshrani Niphade delivered the lecture.
  - Definition of Research, Evolution of Medical Research, Ayurveda terms for research like Anusandhana, Anveshana, Gaveshana, Paryeshana, Shodha etc. were explained by her. RESEARCH can be comprised in to
- R-Rethinking
- E- Experimental method
- S- Survey
- E- Evaluation
- A- Age, Altitude, Aptitude
- R- Recognition
- C- Current affairs
- H- Head, Heart, Hand & Health.



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- II. "Research Methodology- It is defined as a highly intellectual human activity used in the investigation of Nature and Matter & deals with the manner in which data is collected, analyzed and interpreted". Aim of research is finding out the new facts or verification of the old facts to follow the appropriate knowledge, so we can get better quality of knowledge.
- III. Characteristic of good research are as follows-
  - F- Feasible.

I- Interesting

N-Novel

E-Ethical

R- Relevant ...... Called as 'FINER' criteria for research.

- IV. Qualities of good researcher and the resources needed were explained by her.
- 11. "Types of Research"- Dr. Prashant Patil conducted this session. Two type researches are-
  - I. Perspective:- Cause to effect Retrospective:- Effect to Cause.
  - II. Observational:- Observations are made on small number group of patients.

Interventional:- Some interventions are made and outcome is monitored.

III. Descriptive:- Various types of survey, inquiry are included. Analytical:- Researcher use information which is already available and analyze

these to make a critical evaluation.

- IV. Pre-clinical:- Drug trial and animal studies. Clinical:- Interventional and experimental studies.
- Clinical:- Interventional and experimental studies. Human subjects are involved.V. Qualitative:- Used for qualitative data like health, quality of life.

Quantitative:- Used for measurable data.

VI. Clinical:- Observational are Case report and case series where Interventional are Clinical trials.

Epidemiological- Observational are Cohort, Cross sectional, Case control studies. Interventional are Field surveys.

VII. Choosing a right type of study is the soul of Research.



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12. "Literature Search"- The lecture was taken by Dr. Shilpa Badhe. She delivered lecute with the help of actual demonstration of literature search in Aayurveda text books and on Internet.

- I. Academic text books, Journal articles and literature available on Internet are the sources.
- II. Traditional, Systemic, Meta-analysis and Meta synthesis are the types of literature search.
- III. DHARA, AYUSH portal and Pubmed, Google Scholar are some literature search engines available on internet.
- IV. "And, Or and Not" are Bulleaon words used in online literature search.
   V. Literature search helps means in a finite search.
- V. Literature search helps researcher to find the knowledge gap and can adopt same methodology from previous researches for a new one.
- 13. "Qualitative Research"- Dr. Suwarna Chaudhari conducted a lecture .
  - I. It is a collection, analysis and interpretation of data by what people do and say. It is a subjective research.
  - II. Types of Qualitative Research are Interview, Focus Group Discussion and participant Observation Techniques.
  - III. Characteristics and the difference between Qualitative and Quantitative research, advantages and disadvantages of Qualitative research was explained very well by her.
- 14. "Questionnaire Designing"- Dr. Ankush Gunjal took a session on designing a medical questionnaire for research.
  - I. Questionnaire is depends on the type of study design.
  - II. There are 2 types of Questionnaire- Open Ended- where respondent expresses fillings freely. No predefined answers in this type. Close ended – In this type researcher provides 'with option form' to participants and participants have to choose the answer from predefined answers.
  - III. Principles of Questionnaire designing, Strength and Limitation of Questionnaire designing, Validity and Reliability was discussed in the lecture.
- 15. At last the Group Activity was conducted by Dr. Suwarna Chaudhari.
  - I. Students were divided in to three groups. Groups were motivated to search a literature research topic on 'Dincharya' in text books and on internet.
  - II. Students made search about the Dincharya according to Ayurveda in Charak, Vagbhata and Sushtura Samhitas. They used Pubmed, Google Scholar engine for literature search. All groups developed a questionnaire related to 'Dincharya &



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Life style' of a Person in general. Students enjoyed the activity and developed their own questionnaire.

16. In the end of workshop, vote of thanks was provided by Dr. Suwarna Chaudhari. Dr. Badhe madam appreciated the efforts taken by faculty members for students. Students noted positive response about the workshop.

Workshop Coordinator

Dr. Varsharani Niphade

Theread Principal

Dr. Pradeep Bhabad. Principal S.M.B.T.Ayurved College & Hospital Nandi-Hills, Dhamangaon, Tal. Joatmuni Diet Nashik





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## Basic Workshop in Research Methodology Programme Schedule

Venue & Organizer:

SMBT Ayurved College and Hospital,

Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

Date: 28/03/2021

1st year BAMS (Batch A)

Year 2020-21

S.N	Topic	Method	Time (Min.)	Speaker	Time
1	Inauguration		15		08:00 am to 08:15 am
2	L-1: Introduction to Research Methodology	Lecture	60	Dr. Varsharani Niphade	08:15 am to 09:15 am
3	L-2 : Types of research	Lecture	60	Dr. Prashant Patil	09:15 am to 10:15 am
4	L-3: Literature search	Lecture	90	Dr. Badhe Shilpa	10:15 pm to 11:45 am
5	L-4: Qualitative Research	Lecture	90	Dr. Suvarna Choudhari	11:45 am to 01:15 pm
6	Lunch		45		01:15 pm to 02:00 pm
7	L-4: Questionnaire	Lecture	90	Dr. Gunjal Ankush	02:00 pm to 03:30 pm
8	GA-1: Group Activity	Group Activity	90	Dr. Suwarna Chuadhari	03:30 pm to 05:00 pm

**Details of Faculties:** 

Sr. No.	Name of Faculty	Designation	Department	College		
01	Dr. Varsharani Niphade	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik		
02	Dr. Prashant Patil	Asso. Professor	Prasutitantra evam Strirog	SMBT Ayurved College & Hospital, Dhamangaon, Nashik		
03	Dr. Ankush Gunjal	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital Dhamangaon, Nashik		
04	Dr. Shiipa Badhe	Professor	Shalyatantra	SMBT Ayurved College & Hospital Dhamangaon, Nashik		
05	Dr. Suwarna Chaudhari	Asst. Professor	Shalakya- tantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik		



Attendance for Research Methodology Workshop First Year							
-	Batch-A-(28	3-03-202	।) । दन्दइइ शब्द	Session	A CSA IN	1. Contraction	Seight
Sr No	Name Of Student	<u></u>	<u> </u>	9		5	<del></del>
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2		Ρ	P	P	P	P	<u> </u>
		P P	P	P	P	P	<u> </u>
4	BHOSALE RUSHIKES ASHOK	<u>Р</u>	P.	P 	P	P	P
5	BORUDE VASUDHA SANDEEP	P	2	P	P	P	P
6	CHAUDHARI PRATIK RAJENDRA	P	<u>}</u>	. P	P	p	₽
7	CHAUDHARI VEDANTI VINOD	P	P	<u>    P                                </u>	P	P	<u> </u>
8	CHAVAN AKASH DADARAO	<u> </u>	p	<u> </u>	P	P	P
9	CHOUDHARY GUNJAN VISHWANATH	P	<u> </u>	<u> </u>	<u>P</u>	P P	P
10	DEORE ADITI SHASHIKANT	P	P	P	P	P	<u> </u>
11	GAIKAR SANJANA KAILAS	P	<u>P</u>	P	P	P	P
12	GAIKWAD YOGESH JAGDISH	P	P	P	P	P	L P
13	GANGURDE TUSHAR CHANDU	P	P	P	Þ	P	<u> </u>
14	GHORPADE AJINKYA RAJENDRA	P	P	P	P	P	<u>P</u>
15	GIRI ABHISHEK BAJRANG	<u>P</u>	P	P.	P	p	p
16	GOSAVI PRAGATI ANILGIR	Р	P.	P	Þ	P	p
17	HINGE VAIBHAV VIJAY	P	2	P	P	P	P
18	INGLE SANIYA DILIP	ρ	P	P	P	P	P
19	JADHAV MANASI DILIP	A	P	p	P	ρ	P
20	IAGE TANVI PRASHANT	p	P	P	p	P	P
21	KADAM ANKUSH TULSHIRAM	P	P	P	P	P	P
22	KAJALE SHRUTI SAGAR	Þ	P	P	р	P	P
23	KAKDE PRAGATI DNYANESHWAR	P	P	P	P	Р	P
24	KAKDE VIKAS RAMDAS	P	P	P	Р	P	P
25	KALE MEGHA TUKARAM	P	P	P	P	P	P
26	KHADE VIDYA RAJENDRA	P	Р	P	P	ρ	p
27	KHATATE SHUBHAM DATTATRAY	P	ρ	P	P	P	p
28	KHUTANBUJE MOHAMMADJUNED	ρ	Γρ	P	P	P	Þ
29	KORE VAISHNAVI SURESH	ρ	P	R	P	P	P
30	LANDE SHUBHANGI BALASAHEB	ρ	P	P	P	P	P

Colurse Coordinator & SM8T Ayurved Cologs & Hospital Ohemangaon, Tallgatpuri, Cist Nashik



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#### Date- 30/03/2021

## BASIC RESEARCH METHODOLOGY WORKSHOP REPORT

- 1. SMBT Ayurved College and Hospital has organized a 'BASIC RESEARCH METHODOLOGY WORKSHOP' for Second year students.
- 2. Location- Second Year Classroom.
- 3. Date and Time of Conduction- 28/03/2021, 8:00-5:00 pm.
- 4. Name of the Organizing Department- HSET Cell of College.
- 5. Aim of The Workshop- To give basic knowledge about the Research and train UG students as per, so that they can conduct evidence based research in the field of Ayurveda from the very start of their UG course.
- 6. Participants- Batch 'A' students- 30
- 7. Completed Workshop- All 30 students completed workshop successfully.
- 8. The workshop was started at 8:00 am with Dhanvantari Stavana and Lamp lightening ceremony by hands of workshop coordinator Dr. Varsharani Niphade madam. Madam enlighten the Aim, Need and Importance of Research Methodology in today's era. Introduction of all participants and Faculty members was done by Dr.Prashant Patil sir.
- 9. Summary- The first lecture was started at 8:15 am.
- 10. "Descriptive Studies"- The every first lecture of workshop was conducted by
  - Dr. Prashant Patil . He enlightens the following points.
    - Descriptive study is a Observational study where Observations are made on small group of patients.
  - II. Inquiry type of studies like field survey are included in this type. Can be used for both qualitative and quantitative data.
  - III. Case Reporting, Case series and longitudinal studies are types of descriptive studies. Case reporting is done in case of rare findings related to any case. Case Series is reporting or publication of same findings in group of patients.
  - IV. Longitudinal studies are long time consuming studies, Case Control, Cross sectional and Cohort.
  - V. Descriptive studies are Hypothesis generating studies.
- 11. "Ethical Issues in Medical Research"- Dr. Varsharani Niphade highlighted the ethical issues in Medical research as follows-
  - I. Definition of **Ethics Committee-** An ethics committee is a committee formally designed to review and approve the initiation of a clinical research study involving Human subjects and to provide continuing review of the research study.
  - II. Formation of IEC- 7-15 members as per ICMR guidelines.



# SMBT AYURVED COLLEGE AND HOSPITAL

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- III. Responsibilities if IEC was explained.
- IV. She explained the ethical issues in medical research like- Principle of essentiality, Precaution & risk minimization, Accountability and Transparency, Vulnerable and Special group, Compensation for research related harm, remuneration for Participant, Ancillary care, Conflict of Interest, Process of Informed Consent and its Importance, Privacy and Confidentiality, Distributive Justice, Community Engagement, Post research access and Benefit sharing.
- 12. "Evaluation of Diagnostic Tests"- Dr. Gunjal sir taken this session on diagnostic tests.
  - Screening and Diagnostic tests are two different modalities to reach up to the final diagnosis of any disease.
  - II. Screening tests are done in a group of likelihood of presence of disease and Diagnostic tests are done on Screened patients to confirm and make a final diagnosis. Sensitivity is the ability of a test to correctly identify those with disease i.e. True positive rate. Combinations of various tests can be advocated for a diagnosis of disease.
  - III. Reliability of test- When results for a test are nearly same for one sample on a single instrument then the results is reliable.
  - IV. Validity of test- When results for a test on different calibrated instrument shows nearly same when compared to standard results then it's a validity of test.
- 13. "Critical Evaluation of Journal-Article"- Dr. Badhe madam conducted a session with demonstration of Article in UGC approved Journal.
  - I. Critical evaluation of article from UGC indexed Journal on 'Application of Ksharakarma in Arsha' in was taken for consideration.
  - II. What to see about Journal- publisher, Section of the Journal, ISSN number, peer reviewed Journal, year of publication, Issue and Volume of Journal, Page No.
  - III. What to see about article- Authors, credentials of authors, current position and past experience, area of expertise.
  - IV. What to see in published material- Departure from author's specialty area. Title of article indicated Research Question. Look for meaningful Aim and complete Objectives. Study population, study settings. Abstract within 100-250 words, catchy, not too short or long. Introduction creates rationally for current study. Logical flowing sentences. In methodology- Target population, sample frame, sampling technique used, sample size. Then material and methods like Inclusion, exclusion criteria, statistical analysis and tests used. Results should contain appropriate tables, charts and graphs. Discussion Interpreting and explaining



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results obtained. It should be meaningful, highlight the important findings of study, enough explanation and significant thinking, logical and reasoned the results properly. At the end Limitation of study and Conflict of Interest if any.

- 14. "Types of Data and Data presentation"- Dr. Varsharani Niphade delivered lecture. She focused on following points-
  - Data is collected from Observation Unit i.e. Human subject in clinical Research. I.
  - Collection of data through; Primary sources- Direct interface with the Π. observational unit.
  - Types of data- Qualitative & Quantitative. Qualitative/ Discrete/ Frequency III. Continuation Data- Two types. Nominal eg. Colors of hair; and Ordinal- Degree of illness. Quantitative Data- Discrete and Continuous data. Discrete data is number used in Mortality, Birth rate etc. Continuous data varies both in characteristic and frequency.
  - Types of Data Presentation- Tabular and Diagrammatic presentation is used for IV. both Qualitative and Quantitative data.
- 15. At the end of the workshop, "Group Activity" was taken over the topics covered in theoretical lectures. Dr. Varsharani Niphade conducted this activity.
  - Students were divided in different groups. I.
  - Two article related to "Agnikarma in Acute pain Management" were given for П. the critical evaluation and students were asked to find the Good and substandard points from these article.
  - Also group activity related to data presentation was taken. Colour of hairs, Degree III. of illness, discharge from wound, temperature, Weight of patient, BMI, BP, Blood Sugar Level, was taken for consideration and students identified the type of data and presented in a Tabular and Graphical forms.
- 16. At end of the workshop vote of thanks was offered by Dr. Varshrani Niphade. Students took part in a workshop very enthusiastically and noted positive response.
- 17. Dr. Shilpa Badhe madam addresses the students and appreciated their efforts.

Workshop Coordinator

Dr. Varsharani Niphade

Nore

Principal

Dr. Pradeep Bhabad. Principal S.M.B.T.Ayurved College & Hospital Nandi-Hills, Dhamangaon, Tal Jgatpuri, Dist, Nashik



SMBT Sevebhavi Trust's



SMBT AYURVED COLLEGE AND HOSPITAL

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Year 2020-21

# **Basic Workshop in Research Methodology Programme Schedule**

Venue &Organizer:

SMBT Ayurved College and Hospital, Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

Date: 28/03/2021

2<sup>nd</sup> vear BAMS (A Batch) Time Time (Min.) Speaker Method S.N Topic 08:00 am to 15 Inauguration 1 08:15 am 08:15 am to Dr. Prashant L-1: Descriptive 90 Lecture 2 Patil 09:45 am studies 09:45 am to Dr. Varsharani L-2 : Ethical issues in 60 Lecture 3 Niphade 10:45 am medical research 10:45 pm to Dr. Gunial L-3: Evaluation of 60 Lecture 4 11:45 am Ankush diagnostic test 11:45 am to Dr. Badhe L-4: Critical evaluation 90 Lecture 5 01:15 pm Shilpa of journal and articles 01:15 pm to 45 Lunch 6 02:00 pm Dr. Varsharani 02:00 pm to L-5: Types of data and Lecture 90 7 03:30 pm Niphade data presentation Dr. Varsharani 03:30 pm to Group 90 GA-1: Group Activity 8 05:00 pm Niphade Activity

**Details of Faculties:** 

Sr. No.	Name of Faculty	Designation	Department	College
01	Dr. Varsharani Niphade	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
02	Dr. Prashant Patil	Asso. Professor	Prasutitantra evam Strirog	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
03	Dr. Ankush Gunjal	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
04	Dr. Shilpa Badhe	Professor	Shalyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik



	Attendance for Research Metho	dology V	Vorksh	op Sec	ond Ye	ar	
	Batch-A-(28			mmages . v			,
Sr No	Name Of Student	Selfier	Ger 2.	384410M 33	50451,000 4	42482 <b>4</b> 17 57	60000
1	ADHIKARI NIVEDITA VASANT	P	P	P	ø	р	P
2	ANBHULE AKSHAY VILAS	P	P	P	9	p	ρ
3	AROTE AISHWARYA RAMDAS	р	P	р	p	p	Ρ
4	BAIS ANKITA ANANTRAO	P	P	ρ	p	P	р
5	BANGAR PRANALI SURESH	P	P	р	P	ρ	ρ
8	BARI NIKHIL KISHOR	p	ρ	р	p	ρ	р
7	BHANUSHALI MRUNALI SANDIP	P	P	P	7	ρ	Р
8	BHARAMBE PRASAD RAJESH	P	P	р	P	P	p
9	BHARDWAI GAYATARY SANDEEP	P	P	P	P	p	p
10	BHOIR ANKITA RAVINDRA	P	р	P	P	P	р
11	BIDVI SWARAJ MAHENDRA	ρ	Р	P	Р	р	Р
12	BIRAJDAR DHIRAJ DILIP	P	P	ρ	P	ρ	p
13	BISWAS GAURAVKUMAR GANESHKUMAR	ρ	ρ	ρ	P	p	ρ
14	BORSE SAGAR DILIP	P	ρ	p	P	p	ρ
15	CHAUDHARI PRACHI SANDIP	P	₽	P	P	P	ρ
16	CHAUDHARY SANGEETA SAVALARAM	р	7	р	ρ	р	p
17	CHITTE KOMAL JAYWANT	P	p	p	P	P	p
18	DALVI RUSHIKESH PRASHANT	ρ	P	ρ	p	P	p
19	DEORE BHAVESH PRAKASH	P	P	P	р	р	P
20	DHANGAR PRIYANKA MOTIRAM	P	p	P	P	P	р
21	GANGWAL HARSHITA RAJENDRA	ρ	P	P	P	ρ	p
22	HEGADKAR NIRANJAN SANJAY	Þ	P	ρ	P	P	р
23	JADHAO PALLAVI MADHUKAR	p	P	P	P	ρ	р
24	JADHAV NAMRATA JYOTILAL	P	P	P	ρ	P	p
25	KAPSE GEETA BHAGWAN	P	р	p	р	р	ρ
26	KEDAR VAIBHAV SUBHASH	P	P	ρ	p	P	Ρ
27	KHALKAR SUMIT ARUN	P	9	P	P	ρ	P
28	KHANDARE ANUSHKA AJAY	P	p	P	p	р	p
29	KHAPARE PRACHI HARISHCHANDRA	P	P	P	Р	p	f
30	KHEWALKAR PRATIK PANDIT	P	Р	р	p	р	p

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. مطلل HOP & PROFESSOR Course Coordinators SM8T Ayurved Codege & Hospital Dhamangaon,Taligasput Cite Mastrik



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#### Date- 29/03/2021

# BASIC RESEARCH METHODOLOGY WORKSHOP REPORT

- 1. SMBT Ayurved College and Hospital has organized a 'BASIC RESEARCH METHODOLOGY WORKSHOP' for Third year students.
- 2. Location- Third year classroom.
- 3. Date of Conduction- 28/03/2021, 8:00- 5:00 pm.
- 4. Name of the Organizing Department- HSET Cell of College.
- 5. Aim of The Workshop- To give basic knowledge about the Research and train UG students as per, so that they can conduct evidence based research in the field of Ayurveda from the very start of their UG course.
- 6. Participants- Batch 'A' students- 30
- 7. Completed Workshop- All 30 students completed workshop successfully.
- 8. The workshop was started at 8:00 am with Dhanvantari Stavana and Lamp lightening ceremony by hands of workshop coordinator Dr. Varsharani Niphade madam. Madam enlighten the Aim, Need and Importance of Research Methodology in today's era. Introduction of all participants and Faculty members was done by Dr. Suwarna Chaudhri madam.
- 9. Summary- The first lecture was started at 8:10 am.
- 10. "Experimental Studies"- Dr. Suwarna Chaudhari delivered the lecture. She highlighted following points-
  - I. Types of Experimental studies are- Animal study, Human trials- Randomized Controlled Trial/ RCT, Field trial and Community trial.
  - II. Difference between study population and target population.
  - III. Types of variable like Dependent and Independent Variables. Importance of Matching, Bias in matching and matching criteria's. To avoid bias Masking or Blinding is done.
  - IV. Types of blinding- Single, Double & Triple blind study. Four phases of Clinical research are also well explained by her.
- 11. "Sampling Methods and Sample Size"- Dr. Shilpa Badhe condected a session of Sampling and taught following related concepts-
  - I. Size and method of sample for any research work is dependent on the type of a study. Sample is drawn from the target population.
  - II. Two types of sampling are Random / Probability sampling and Non Random / Non Probability sampling.



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- III. Probability sampling in which every unit in the study population has equal chance of being selected as a sample.
- IV. Non Probability sampling in which some units of population have no chance of selection in a sample.
- V. Simple random, Systematic, Stratified, Cluster, Multistage and Multiphase sampling are the types of Probability sampling. Purposive, Quota, Convenience and Snowball sampling are the types of Non Probability sampling.
- VI. Dr.Badhe madam elaborated the concept of determination of sample size for different research types.
- 12. "Inferential Statistics"-Dr. Prashant patil delivered lecture and elaborated following concepts-
  - I. Descriptive and Inferential are types of statistics. In Inferential statistics some inference of a Research are made with the help of statistical test.
  - II. For qualitative Data assessment Non Parametric tests like Chi square test, Wilcoxon sign rank test- within same group, and Mann whitney 'U' test- in different groups are used.
  - III. For quantitative data analysis Parametric test like Students 't' test are used. 'Paired t test' for paired data i.e. within same group and 'Unpaired t test' for unpaired data like in 2 different groups.
  - IV. ANOVA test is used when more than 2 group are present. 'Z' test is used for large sample size when data follows normal distribution.
- 13. "Writing Research protocol"- Protocol writing and its precept was taught by Dr. Varsharani Niphade.
  - I. A Research Protocol is a formal written record that one prepared Before research fieldwork is undertaken.
  - II. Research protocol is a document that sates the background, objectives, rationale, design, methodology and statistical consideration of the study.
  - III. Contents of research protocol are- Title, Introduction (Research Question & Hypothesis, Rationale of study), Aim & Objectives, Literature Review, Methodology (Research Design), Data collection, Analysis and Interpretation Methods, Ethical consideration, Study Time Frame, Reference style, Bibliography, List of Abbreviation, Budget, Annexure are the contents of research protocol.
- 14. "Computer Assistance in Data Analysis- Excel"- Dr. Suwarna Chudhari conducted this session.



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- Analysis of observed and collected data is the important step in research. It needs computer assistance.
- II. Definition of Data in research, types of data, Measures of Central tendency and Test of significance was explained by her with the help of a computer.
- III. Use of Excel software for data entry and simple analysis was demonstrated by Suwarna madam.
- 15. The "Group activity" was conducted by Dr.Shilpa Badhe madam for the topics covered in workshop.
  - Groups were given different study types and asked to find the appropriate sample method for study. Simple random sampling, Systematic sampling are used for RCT. Purposive sampling when study population is very small. Cluster for Cohort etc.
  - II. Then with the help of a Sample size determination formula, groups were come with their appropriate sample size depending upon type of study. Groups were advised to make a Research protocol with its appropriate content for chosen study type.
  - III. Hands on training of use of Excel software was conducted with its demonstration like- Open file, then table of data, go to your file, choose excel sheet, then choose test finally make an analysis of test.
- 16. At end of the workshop vote of thanks was offered by Dr. Shilpa Badhe madam.
- 17. Students took part in a workshop very enthusiastically and noted positive response, that this workshop will definitely help them for conducting a Research in medical field in their student life and also onwards.
- 18. The workshop was concluded at 5:15 pm with National Anthem.

Workshop Coordinator

Dr. Varsharani Niphade

Nutes Principal

Dr. Pradeep Bhabad. Principal SM.B.T.Ayurved College & Hospital Nandi-Hills, Dhamangaon, Tal. Joatpuri, Dict, Nashik



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### **Basic Workshop in Research Methodology Programme Schedule** SMBT Ayurved College and Hospital.

Venue & Organizer:

Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

Date: 28/03/2021

Year 2020-21 3rd year BAMS (A Batch) Time Time Method Speaker Topic S.N (Min.) 08:00 am to 15 Inauguration 1 08:15 am 08:15 am to Dr. Suwarna L-1: Experimental 60 Lecture 2 09:15 am Chaudhari studies 09:15 am to Dr. Shipla L-2 : Sampling method 90 Lecture 3 Badhe 10:45 am and sample size 10:45 pm to Dr. Prashant L-3: Inferential 60 Lecture 4 11:45 am Patil statistics Dr. Varsharani 11:45 am to L-4: Writing research 90 Lecture 5 Niphade 01:15 pm protocol 01:15 pm to 45 Lunch 6 02:00 pm L-5: Computer 02:00 pm to Dr. Shilpa Lecture 90 7 assistance in data Badhe 03:30 pm Demo analysis Excel 03:30 pm to Dr. Shilpa

90

05:00 pm

Badhe

Group

Activity

#### **Details of Faculties:**

8

GA-1: Group Activity

Sr. No.	Name of Faculty	Designation	Department	College
01	Dr. Varsharani Niphade	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
02	Dr. Prashant Patil	Asso. Professor	Prasutitantra evam Strirog	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
03	Dr. Ankush Gunjal	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
04	Dr. Shilpa Badhe	Professor	Shalyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
05	Dr. Suwarna Chaudhari	Asst. Professor	Shalakya- tantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik



	Attendance for Research Metho Batch-A-(28			hop Th	ird Ye	ar	<u></u>
Sr No	Name Of Student	Session	Servin 2-	Scieren	5234377 4	60.5CC	Gezzion
1	ANSARI TANVEER AHEMAD MOHD AYYUB	р	P	P	ρ	P	ρ
2	BADODKAR SAVYASACHI SANJAY	P	P	ρ	P	P	Γ <b>ρ</b>
3	BARTAKKE DURVA AJIT	P	P	p	p	P	Γp
4	BELKADE DHANASHREE PRAKASH	P	Q	p	Ð	ρ	P P
5	BHAGAT YASH PRABHAKAR	ρ	P	P	ρ	ρ	P
6	BHARATI JAYPRAKASH MAROTI	ρ	P	ρ	P	p	P
7	BHOIR DHANASHRI VASUDEV	P	p	P	P	ρ	P
8	BHONE AYUSHA PRAMOD	ρ	p	P	ρ	p	P
9	BHUJBAL NEHA JAGANNATH	р	ρ	P	P	P	p
10	BODKE PARAG RAJENDRA	P	Р	р	P	p	p
11	CHATE SHRADDHA DEVIDAS	ρ	p	p	ρ	P	p
12	CHAUDHARI SHAMIKA NITIN	Р	р	ρ	ρ	р	p
1	CHAVHAN SHRADDHA DILIP	p	ρ	р	P	р	P
14	CHOUDHARY SAMRUDHI ASHOK	ρ	р	p	P	P	ρ
15	CHOURE SUMATI VASANTRAO	P	ρ	Р	Þ	P	P
16	DESHMUKH MRUNMAYEE DIWAKAR	Р	р	p	P	P	p
17	DHANWADE PRATIKSHA SAMBHAH	Ρ	Р	P	P	Р	P
18	DHUMAL VISWAJEET VIJAYKUMAR	P.	p	Р	P	р	P
19	DIVEKAR GAYATRI PRASAD	P	р	ρ	ρ	P	P
20	HANKARE PRANJALI SUDHAKAR	P	р	р	p	P	P
21	HARNE PREETI YOGESH	P	р	P	ρ	P	р
22	HIRAVE BHAGYASHREE SUKHADEV	P	Р	P	Р	P	P
23	INGLE KOMAL ANIL	P	р	p	P	P	P
24	INGLE SHRIDHAR DATTA	P	P	ρ	P	P	р
25	JEUGHALE NIKHIL VASANT	P	Ρ	P	P	P	Р
26	KAIALE NIKHILKUMAR VISHNUDAS	ρ	9	р	P	P	P
27	KATHER PRAJWAL BAJIRAO	P	ρ	P	ρ	P	р
28	KENDRE VIVEK VINAYAK	P	ρ	ρ	p	р	p
29	KHAN MOHAMMAD IZAN MAHEFUJ	P	P	ρ	P	P	₽
30	KHANDEKAR SHAMA SHARAD	р	р	p	р	ρ	Р

HOC POINT SOR Course Coordinator OR SMST Ayurved College & Houpital Dhamangaon, Taligatpuni Dist. Mashik



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Date- 06/04/2021

### BASIC RESEARCH METHODOLOGY WORKSHOP REPORT

- 1. SMBT Ayurved College and Hospital has organized a 'BASIC RESEARCH METHODOLOGY WORKSHOP' for First year students.
- 2. Location- First Year Classroom.
- 3. Date and Time of Conduction- 04/04/2021 ; 8:00 5:00 pm.
- 4. Name of the Organizing Department- HSET Cell of College.
- 5. Aim of The Workshop- To give basic knowledge about the Research and train UG students as per, so that they can conduct evidence based research in the field of Ayurveda from the very start of their UG course.
- 6. Participants- Batch 'B' students- 30
- 7. Completed Workshop- Out of 30 students, 29 students completed workshop successfully.
- 8. The workshop was started at 8:00 am with Dhanvantari Stavana and Lamp lightening ceremony by hands of workshop coordinator Dr. Varsharani Nipahde madam. Madam enlighten the Aim, Need and Importance of Research Methodology in today's era. Introduction of all participants and Faculty members was done by Dr. Ankush Gunjal sir.
- 9. Summary- The first lecture was started at 8:15 am.
- 10. "Introduction to Research Methodology"- Dr. Varshrani Niphade delivered the lecture.
  - I. Definition of Research, Evolution of Medical Research, Ayurveda terms for research like Anusandhana, Anveshana, Gaveshana, Paryeshana, Shodha etc. were explained by her. RESEARCH can be comprised in to
- R-Rethinking
- E-Experimental method
- S- Survey
- E-Evaluation
- A- Age, Altitude, Aptitude
- R-Recognition
- C- Current affairs
- H- Head, Heart, Hand & Health.



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- II. "Research Methodology- It is defined as a highly intellectual human activity used in the investigation of Nature and Matter & deals with the manner in which data is collected, analyzed and interpreted". Aim of research is finding out the new facts or verification of the old facts to follow the appropriate knowledge, so we can get better quality of knowledge.
- III. Characteristic of good research arc as follows-

F- Feasible.

I- Interesting

N-Novel

E-Ethical

R- Relevant ...... Called as 'FINER' criteria for research.

IV. Qualities of good researcher and the resources needed were explained by her.

- 11. "Types of Research"- Dr. Prashant Patil conducted this session. Two type researches are-
  - I. Perspective:- Cause to effect Retrospective:- Effect to Cause.
  - II. Observational:- Observations are made on small number group of patients.

Interventional:- Some interventions are made and outcome is monitored.

III. Descriptive:- Various types of survey, inquiry are included.

Analytical:- Researcher use information which is already available and analyze these to make a critical evaluation.

- IV. Pre-clinical:- Drug trial and animal studies.
  - Clinical:- Interventional and experimental studies. Human subjects are involved.
- V. Qualitative:- Used for qualitative data like health, quality of life. Quantitative:- Used for measurable data.
- VI. Clinical:- Observational are Case report and case series where Interventional are Clinical trials.

Epidemiological- Observational are Cohort, Cross sectional, Case control studies. Interventional are Field surveys.

VII. Choosing a right type of study is the soul of Research.



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- 12. "Literature Search"- The lecture was taken by Dr. Shilpa Badhe. She delivered lecute with the help of actual demonstration of literature search in Aayurveda text books and on Internet.
  - I. Academic text books, Journal articles and literature available on Internet are the sources.
  - II. Traditional, Systemic, Meta-analysis and Meta synthesis are the types of literature search.
  - III. DHARA, AYUSH portal and Pubmed, Google Scholar are some literature search engines available on internet.
  - IV. "And, Or and Not" are Bulleaon words used in online literature search.
  - V. Literature search helps researcher to find the knowledge gap and can adopt same methodology from previous researches for a new one.
- 13. "Qualitative Research"- Dr. Suwarna Chaudhari conducted a lecture .
  - I. It is a collection, analysis and interpretation of data by what people do and say. It is a subjective research.
  - II. Types of Qualitative Research are Interview, Focus Group Discussion and participant Observation Techniques.
  - III. Characteristics and the difference between Qualitative and Quantitative research, advantages and disadvantages of Qualitative research was explained very well by her.
- 14. "Questionnaire Designing"- Dr. Ankush Gunjal took a session on designing a medical questionnaire for research.
  - I. Questionnaire is depends on the type of study design.
  - II. There are 2 types of Questionnaire- Open Ended- where respondent expresses fillings freely. No predefined answers in this type. Close ended – In this type researcher provides 'with option form' to participants and participants have to choose the answer from predefined answers.
  - III. Principles of Questionnaire designing, Strength and Limitation of Questionnaire designing, Validity and Reliability was discussed in the lecture.
- 15. At last the Gurop Activity was conducted by Dr.Suwarna Chaudhari.
  - I. Students were divided in to three groups. Groups were motivated to search a literature research topic on 'Dincharya' in text books and on internet.
  - II. Students made search about the Dincharya according to Ayurveda in Charak, Vagbhata and Sushtura Samhitas. They used Pubmed, Google Scholar engine for literature search. All groups developed a questionnaire related to 'Dincharya &



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Life style' of a Person in general. Students enjoyed the activity and developed their own questionnaire.

16. In the end of workshop, vote of thanks was provided by Dr. Suwarna Chaudhari. Dr. Badhe madam appreciated the efforts taken by faculty members for students. Students noted positive response about the workshop.

Workshop Coordinator

Dr. Varsharani Niphade

Hoted Principal

Dr. Pradeep Bhabad. **Principal** S.M.B.T.Ayurved College & Hospital Nandi-Hills, Dhamangaon, Tal.Igatpuri, Dist Nashik.





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## Basic Workshop in Research Methodology Programme Schedule SMBT Ayurved College and Hospital,

Venue &Organizer:

Nandi Hills, Dhamangaon, Tal. Igatpurí, Dist. Nashik-422403.

Date: 04/04/2021

1<sup>4</sup> year BAMS (Batch B)

Year 2020-21

S.N	Topic	Method	Time (Min.)	Speaker	Time
1	Inauguration		15		08:00 am to 08:15 am
2	L-1: Introduction to Research Methodology	Lecture	60	Dr. Varsharani Niphade	08:15 am to 09:15 am
3	L-2 : Types of research	Lecture	60	Dr. Prashant Patil	09:15 am to 10:15 am
4	L-3: Literature search	Lecture	90	Dr. Badhe Shilpa	10:15 pm to 11:45 am
5	L-4: Qualitative Research	Lecture	90	Dr. Suvarna Choudhari	11:45 am to 01:15 pm
6	Lunch		45		01:15 pm to 02:00 pm
7	L-4: Questionnaire	Lecture	90	Dr. Gunjal Ankush	02:00 pm to 03:30 pm
8	GA-1: Group Activity	Group Activity	90	Dr. Suwarna Chuadhari	03:30 pm to 05:00 pm

**Details of Faculties:** 

Sr. No.	Name of Faculty	Designation	Department	College
01	Dr. Varsharani Niphade	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
02	Dr. Prashant Patil	Asso. Professor	Prasutitantra evam Strirog	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
03	Dr. Ankush Gunjal	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
04	Dr. Shiipa Badhe	Professor	Shalyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
05	Dr. Suwarna Chaudhari	Asst. Professor	Shalakya- tantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik



Attendance for Research Methodology Workshop First Year Batch-B- (04-04-2021)							
Sr No	Name Of Student	Sestion	709 With	assect	Section 4	Lyun	Sezeion
1	MAGAR HARSH PRADIP	Р	P	ρ	P	p	P
2	MALEKAR SHRINIVAS PRALHAD	P	р	P	R	ρ	P
3	MARATHE PRANJAL SANJAY	P	р	P	9	P	P
4	MARATHE SANKET ASHOK	P	Ρ	ρ	P	ρ	p
5	MORE MRUNALI KISHOR	P	р	P	P	P	P
6	NAPHADE SHREYSH KRUSHNA	Р	P	p	P	P	P
7	NICHITE SNEHA BHASKAR	P	β	P	ρ	P	p
8	PADGILWAR PRASAD CHANDRAKANTRAO	P	ρ	p	9	ρ	p
9	PAGAR PRATIK RAVINDRA	P	p	P	ρ	P	P
10	PAL VARSHADEVI RADHESHYAM	P	p	P	p	P	p
11	PANJWANI AMITKUMAR RAVIKUMAR	p	ρ	ρ	P	p	ρ
12	PATIL ADITI MILIND	P	P	9	P	P	ρ
13	PATIL HIMANI SANJAY	P	p	P	Р	ρ	p
14	PATIL PAVAN ROHIDAS	P	ρ	ρ	ρ	P	P
15	PATIL RAMESHWAR DIPAK	P	ρ	P	P	ρ	P
16	RAKH SNEHAL BARIKRAO	A	p	P	ρ	ρ	P
17	RANSHUR MAYURI DATTATRAY	р	ρ	p	P	ρ	P
18	SALUNKHE MANSI JITENDRA	p	ρ	ρ	p	ρ	2
19	SHINDE MAHESH SUNIL	P	P	Þ	þ	ρ	ρ
20	SHINDE PRIYANKA PRAVIN	P	P	P	p	P	P
21	SHINGNE SAMRUDDHI SUDHIR	P	ρ	p	ρ	P	P
22	SONKUSARE KRUSHNAKAMAL ARUN	P	P	P	p	P	P
23	SURWADE SNEHAL BALU	P	ρ	ρ	Р	ρ	P
24	TANPURE VAISHNAVI BALU	р	p	P	p	P	P
25	TIWARI BHARAT SHIVPRAKASH	ρ	P	p	Þ	9	P
26	ULPE PRANITA SHASHIKANT	P	P	P	P	p	₽
27	UPADHYE VEERKUMAR ABHAY	P	p	P	p	P	p
28	VINERKAR SAHIL BHIKURAM	P	P	p	p	P	P
29	WAKCHAURE SAYALI RAJENDRA	P	p	P	P	P	P
30	WANGIKAR BHAGYASHREE AVINASRAO	P	ρ	p	P	Ρ	P



HORSE PROFESSOR Course Goordinator 14 SMRT Ayurved College Constant Charrangson, failgarped Sciencestik

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#### Date- 07/04/2021

# BASIC RESEARCH METHODOLOGY WORKSHOP REPORT

- 1. SMBT Ayurved College and Hospital has organized a 'BASIC RESEARCH METHODOLOGY WORKSHOP' for Second year students.
- 2. Location- Second Year Classroom.
- 3. Date and Time of Conduction- 04/04/2021, 8:00-5:00 pm.
- 4. Name of the Organizing Department- HSET Cell of College.
- 5. Aim of The Workshop- To give basic knowledge about the Research and train UG students as per, so that they can conduct evidence based research in the field of Ayurveda from the very start of their UG course.
- 6. Participants- Batch 'B' students- 30
- 7. Completed Workshop- All 30 students completed workshop successfully.
- 8. The workshop was started at 8:00 am with Dhanvantari Stavana and Lamp lightening ceremony by hands of workshop coordinator Dr. Varsharani Niphade madam. Madam enlighten the Aim, Need and Importance of Research Methodology in today's era. Introduction of all participants and Faculty members was done by Dr.Prashant Patil sir.
- 9. Summary- The first lecture was started at 8:15 am.
- 10. "Descriptive Studies"- The every first lecture of workshop was conducted by
  - Dr.Prashant Patil . He enlightens the following points.
    - Descriptive study is a Observational study where Observations are made on small group of patients.
  - II. Inquiry type of studies like field survey are included in this type. Can be used for both qualitative and quantitative data.
  - III. Case Reporting, Case series and longitudinal studies are types of descriptive studies. Case reporting is done in case of rare findings related to any case. Case Series is reporting or publication of same findings in group of patients.
  - IV. Longitudinal studies are long time consuming studies, Case Control, Cross sectional and Cohort.
  - V. Descriptive studies are Hypothesis generating studies.
- 11. "Ethical Issues in Medical Research"- Dr. Varsharani Niphade highlighted the ethical issues in Medical research as follows-
  - I. Definition of **Ethics Committee** An ethics committee is a committee formally designed to review and approve the initiation of a clinical research study involving Human subjects and to provide continuing review of the research study.
  - II. Formation of IEC- 7-15 members as per ICMR guidelines.



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- III. Responsibilities if IEC was explained.
- IV. She explained the ethical issues in medical research like- Principle of essentiality, Precaution & risk minimization, Accountability and Transparency, Vulnerable and Special group, Compensation for research related harm, remuneration for Participant, Ancillary care, Conflict of Interest, Process of Informed Consent and its Importance, Privacy and Confidentiality, Distributive Justice, Community Engagement, Post research access and Benefit sharing.

# 12. "Evaluation of Diagnostic Tests"- Dr. Gunjal sir taken this session on diagnostic tests.

- I. Screening and Diagnostic tests are two different modalities to reach up to the final diagnosis of any disease.
- II. Screening tests are done in a group of likelihood of presence of disease and Diagnostic tests are done on Screened patients to confirm and make a final diagnosis. Sensitivity is the ability of a test to correctly identify those with disease i.e. True positive rate. Combinations of various tests can be advocated for a diagnosis of disease.
- III. Reliability of test- When results for a test are nearly same for one sample on a single instrument then the results is reliable.
- IV. Validity of test- When results for a test on different calibrated instrument shows nearly same when compared to standard results then it's a validity of test.
- 13. "Critical Evaluation of Journal-Article"- Dr.Badhe madam conducted a session with demonstration of Article in UGC approved Journal.
  - I. Critical evaluation of article from UGC indexed Journal on 'Application of Ksharakarma in Arsha' in was taken for consideration.
  - II. What to see about Journal- publisher, Section of the Journal, ISSN number, peer reviewed Journal, year of publication, Issue and Volume of Journal, Page No.
  - III. What to see about article- Authors, credentials of authors, current position and past experience, area of expertise.
  - IV. What to see in published material- Departure from author's specialty area. Title of article indicated Research Question. Look for meaningful Aim and complete Objectives. Study population, study settings. Abstract within 100-250 words, catchy, not too short or long. Introduction creates rationally for current study. Logical flowing sentences. In methodology- Target population, sample frame, sampling technique used, sample size. Then material and methods like Inclusion, exclusion criteria, statistical analysis and tests used. Results should contain appropriate tables, charts and graphs. Discussion Interpreting and explaining



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results obtained. It should be meaningful, highlight the important findings of study, enough explanation and significant thinking, logical and reasoned the results properly. At the end Limitation of study and Conflict of Interest if any.

- 14. "Types of Data and Data presentation"- Dr. Varsharani Niphade delivered lecture. She focused on following points-
  - I. Data is collected from Observation Unit i.e. Human subject in clinical Research.
  - Collection of data through; Primary sources- Direct interface with the observational unit.
  - III. Types of data- Qualitative & Quantitative. Qualitative/ Discrete/ Frequency Continuation Data- Two types. Nominal eg. Colors of hair; and Ordinal- Degree of illness. Quantitative Data- Discrete and Continuous data. Discrete data is number used in Mortality, Birth rate etc. Continuous data varies both in characteristic and frequency.
  - IV. Types of Data Presentation- Tabular and Diagrammatic presentation is used for both Qualitative and Quantitative data.
- 15. At the end of the workshop, "Group Activity" was taken over the topics covered in theoretical lectures. Dr. Varsharani Niphade conducted this activity.
  - I. Students were divided in different groups.
  - II. Two article related to "Agnikarma in Acute pain Management" were given for the critical evaluation and students were asked to find the Good and substandard points from these article.
  - III. Also group activity related to data presentation was taken. Colour of hairs, Degree of illness, discharge from wound, temperature, Weight of patient, BMI, BP, Blood Sugar Level, was taken for consideration and students identified the type of data and presented in a Tabular and Graphical forms.
- 16. At end of the workshop vote of thanks was offered by Dr. Varshrani Niphade. Students took part in a workshop very enthusiastically and noted positive response.
- 17. Dr. Shilpa Badhe madam addresses the students and appreciated their efforts.

Workshop Coordinator Dr. Varsharani Niphade

Principal

Dr. Pradeep Bhabad. **Principal** S.M.B.T.Ayurved College & Hospital Nandi-Hills.Dhamannann Tol Instrum Viet Machike





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# Basic Workshop in Research Methodology Programme Schedule

Venue &Organizer:

SMBT Ayurved College and Hospital,

Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

#### Date: 04/04/2021

Year 2020-21 2<sup>nd</sup> year BAMS (B Batch) Time Time (Min.) Speaker Method S.N Topic 08:00 am to 15 1 Inauguration 08:15 am Dr. Prashant 08:15 am to L-1: Descriptive 90 Lecture 2 09:45 am Patil studies 09:45 am to Dr. Varsharani L-2 : Ethical issues in 60 Lecture 3 10:45 am Niphade medical research 10:45 pm to Dr. Gunjal L-3: Evaluation of 60 Lecture 4 11:45 am Ankush diagnostic test 11:45 am to Dr. Badhe L-4: Critical evaluation Lecture 90 5 01:15 pm Shilpa of journal and articles 01:15 pm to 45 tunch 02:00 pm 6 02:00 pm to Dr. Varsharani L-5: Types of data and 90 Lecture 7 03:30 pm Niphade data presentation 03:30 pm to Dr. Varsharani Group 90 GA-1: Group Activity 8 Niphade 05:00 pm Activity

**Details of Faculties:** 

Sr. No.	Name of Faculty	Designation	Department	College
01	Dr. Varsharani Niphade	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
02	Dr. Prashant Patil	Asso. Professor	Prasutitantra evam Strirog	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
03	Dr. Ankush Gunjal	Asso. Professor	Kayachikitsə	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
04	Dr. Shilpa Badhe	Professor	Shalyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik



Attendance for Research Methodology Workshop Second Year Bat B-(04-04-2021)							
Sr No	Name Of Student		541.00	5085.(6n	Es sie	435.97	1 senzos
-	KHILLARE ONKAR DATTATRAYA	P	P	ρ	ρ	<u>ρ</u>	P
2	MAHAJAN ASHWINEE RAVINDRA	P	p	P	p	p	p
3	MANDLIK PRACHI SUNIL	P	0	p	p	12	P
4	MHATRE RUTIKA JIVAN	P	1	p	Р	p	P
5	MORE DIPASHRI MANOJ	P	P	p	p	p	P
6	NANDRE NILIMA NARAYAN	ρ	P	P	þ	p	p
7	NEHE TRUPTI SUNIL	ρ	P	P	ρ	p	ρ
8	NEVDE NISHIGANDHA KALYAN	p	P	Р	ρ	p	p
9	NYAHARKAR KAMLESH DHANANJAY	P	P	р	p	p	P
10	PACHPUTE SHARADA SUBHASH	ρ	P	P	þ	P	P
11	PATIL ASHISH ARUN	Þ	ρ	р	ρ	p	P
12	PATIL NIKITA MADHUKAR	P	ρ	ρ	ρ	P	P
13	PATIL SIDDHARTH SAHEBRAO	P	P	P	P	p	P
14	PAWAR OMKAR HIRAMAN	p	Р	ρ	(- P	P	P
15	PILLAY FRANKO PRINCE	ρ	P	P	P	P	p
16	RANE CHETANA SURESH	ρ	P	P	P	P	P
17	RANE JATINKUMAR VIJAY	ρ	p	P	P	P	p
18	SARBHUKAN MAYURI NITIN	ρ	P	ρ	P	P	P
19	SASANE SHUBHAM BANDU	ρ	ρ	ρ	P	P	P
20	SAWSAKKE ANJALI GANESH	ρ	P	p	ρ	P	ρ
21	SHINDE RUSHIKESH SANTOSH	ρ	2	ρ	Ρ	P	P P
22	SHINDE SHUBHAM DILIP	Ρ	P	ρ	P	P	P
23	SONAWANE AKASH RAJENDRA	р	P	ρ	P	ρ	P
24	THOMBRE PRIYA BHAGUJI	ρ	P	Ρ	Р	р	P
25	TIPANE SHUBHAM SANJAY	P	P	Ρ	ρ	P	P
26	TIPLE DISHA KARMAVIR	ρ	P	P	9	Р	P
27	VAIDYA SHWETA VASANTRAÓ	ρ	P	р	P	ρ	P
28	WAGH YASHPAL HASRATH	P	Р	Ρ	P	Ρ	ρ
29	YADAV VISHAL LALJI	P	P	ρ	P	P	P
30	YELMOTE RUTUJA PRASHANT	P	p	P	P	p	P



لكلو Mourse coordinator SMIT Avorved College & Hospital Dhemongson, Tellgetpun Disc.Nashik.



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#### Date- 6/04/2021

# BASIC RESEARCH METHODOLOGY WORKSHOP REPORT

- 1. SMBT Ayurved College and Hospital has organized a 'BASIC RESEARCH METHODOLOGY WORKSHOP' for Third year students.
- 2. Location- Third year classroom.
- 3. Date of Conduction- 04/04/2021, 8:00- 5:00 pm.
- 4. Name of the Organizing Department- HSET Cell of College.
- 5. Aim of The Workshop- To give basic knowledge about the Research and train UG students as per, so that they can conduct evidence based research in the field of Ayurveda from the very start of their UG course.
- 6. Participants- Batch 'B' students- 30
- 7. Completed Workshop- Out of 30 students, 28 completed workshop successfully.
- 8. The workshop was started at 8:00 am with Dhanvantari Stavana and Lamp lightening ceremony by hands of workshop coordinator Dr. Varsharani Niphade madam. Madam enlighten the Aim, Need and Importance of Research Methodology in today's era. Introduction of all participants and Faculty members was done by Dr. Suwarna Chaudhri madam.
- 9. Summary- The first lecture was started at 8:10 am.
- 10. "Experimental Studies"- Dr. Suwarna Chaudhari delivered the lecture. She highlighted following points-
  - I. Types of Experimental studies are- Animal study, Human trials- Randomized Controlled Trial/ RCT, Field trial and Community trial.
  - II. Difference between study population and target population.
  - III. Types of variable like Dependent and Independent Variables. Importance of Matching, Bias in matching and matching criteria's. To avoid bias Masking or Blinding is done.
  - IV. Types of blinding- Single, Double & Triple blind study. Four phases of Clinical research are also well explained by her.
- 11. "Sampling Methods and Sample Size"- Dr. Shilpa Badhe condected a session of Sampling and taught following related concepts-
  - I. Size and method of sample for any research work is dependent on the type of a study. Sample is drawn from the target population.
  - Two types of sampling are Random / Probability sampling and Non Random / Non Probability sampling.



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- 111. Probability sampling in which every unit in the study population has equal chance of being selected as a sample.
- IV. Non Probability sampling in which some units of population have no chance of selection in a sample.
- V. Simple random, Systematic, Stratified, Cluster, Multistage and Multiphase sampling are the types of Probability sampling. Purposive, Quota, Convenience and Snowball sampling are the types of Non Probability sampling.
- VI. Dr.Badhe madam elaborated the concept of determination of sample size for different research types.
- 12. "Inferential Statistics"-Dr. Prashant patil delivered lecture and elaborated following concepts-
  - I. Descriptive and Inferential are types of statistics. In Inferential statistics some inference of a Research are made with the help of statistical test.
  - For qualitative Data assessment Non Parametric tests like Chi square test, Wilcoxon sign rank test- within same group, and Mann whitney 'U' test- in different groups are used.
  - III. For quantitative data analysis Parametric test like Students 't' test are used. 'Paired t test' for paired data i.e. within same group and 'Unpaired t test' for unpaired data like in 2 different groups.
  - IV. ANOVA test is used when more than 2 group are present. 'Z' test is used for large sample size when data follows normal distribution.
- 13. "Writing Research protocol"- Protocol writing and its precept was taught by Dr. Varsharani Niphade.
  - I. A Research Protocol is a formal written record that one prepared Before research fieldwork is undertaken.
  - II. Research protocol is a document that sates the background, objectives, rationale, design, methodology and statistical consideration of the study.
  - III. Contents of research protocol are- Title, Introduction (Research Question & Hypothesis, Rationale of study), Aim & Objectives, Literature Review, Methodology (Research Design), Data collection, Analysis and Interpretation Methods, Ethical consideration, Study Time Frame, Reference style, Bibliography, List of Abbreviation, Budget, Annexure are the contents of research protocol.
- 14. "Computer Assistance in Data Analysis- Excel"- Dr. Suwarna Chudhari conducted this session.



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- I. Analysis of observed and collected data is the important step in research. It needs computer assistance.
- Definition of Data in research, types of data, Measures of Central tendency and Test of significance was explained by her with the help of a computer.
- III. Use of Excel software for data entry and simple analysis was demonstrated by Suwarna madam.
- 15. The "Group activity" was conducted by Dr.Shilpa Badhe madam for the topics covered in workshop.
  - Groups were given different study types and asked to find the appropriate sample method for study. Simple random sampling, Systematic sampling are used for RCT. Purposive sampling when study population is very small. Cluster for Cohort etc.
  - II. Then with the help of a Sample size determination formula, groups were come with their appropriate sample size depending upon type of study. Groups were advised to make a Research protocol with its appropriate content for chosen study type.
  - 111. Hands on training of use of Excel software was conducted with its demonstration like- Open file, then table of data, go to your file, choose excel sheet, then choose test finally make an analysis of test.
- 16. At end of the workshop vote of thanks was offered by Dr. Shilpa Badhe madam.
- 17. Students took part in a workshop very enthusiastically and noted positive response, that this workshop will definitely help them for conducting a Research in medical field in their student life and also onwards.
- 18. The workshop was concluded at 5:15 pm with National Anthem.

Workshop Coordinator

Dr. Varsharani Niphade

Principal

Dr. Pradeep Bhabad. **Principal** S.M.B.T.Ayurved College & Hospital Nandi-Hilds,Dhamangaon,Tallgatpuri,Dist.Nashit.





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# Basic Workshop in Research Methodology Programme Schedule SMBT Ayurved College and Hospital,

Venue &Organizer:

Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

Date: 04/04/2021

3<sup>rd</sup> vear BAMS (B Batch)

Year 2020-21

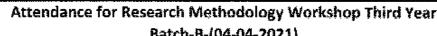
S.N	Topic	Method	Time (Min.)	Speaker	Time
1	Inauguration		15		08:00 am to 08:15 am
2	L-1: Experimental studies	Lecture	60	Dr. Suwarna Chaudhari	08:15 am to 09:15 am
3	L-2 : Sampling method and sample size	Lecture	90	Dr. Shipla Badhe	09:15 am to 10:45 am
4	L-3: Inferential statistics	Lecture	60	Dr. Prashant Patil	10:45 pm to 11:45 am
Ş	L-4: Writing research protocol	Lecture	90	Dr. Varsharani Niphade	11:45 am to 01:15 pm
6	Lunch		45		01:15 pm to 02:00 pm
7	L-5: Computer assistance in data analysis Excel	Lecture Demo	90	Dr. Shilpa Badhe	02:00 pm to 03:30 pm
8	GA-1: Group Activity	Group Activity	90	Dr. Shilpa Badhe	03:30 pm to 05:00 pm

**Details of Faculties:** 

Sr. No.	Name of Faculty	Designation	Department	College
01	Dr. Varsharani Niphade	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
02	Dr. Prashant Patil	Asso. Professor	Prasutitantra evam Strirog	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
03	Dr. Ankush Gunjal	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
04	Dr. Shilpa Badhe	Professor	Shalyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
05	Dr. Suwarna Chaudhari	Asst. Professor	Shalakya- tantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik



	Attendance for Research Method	ology	Works	hop Th	ird Ye	är	
	Batch-B-(04-0		* .				
Sr No	Name Of Student	5 <b>03420</b> 0 1	5-1410H Q.	525Lusn 3	528210n 4	Session 5	6032109n
1	KOKATE SWAPNALI SANTOSHRAO	р	ρ	Р	ρ	p	P
2	KUKAREJA MANISHA SHANKAR	P	ρ	ρ	P	P	P
3	LONDHE MOHINI VITTHALRAO	P	P	P	P	P	P
4	MAHAJAN TANAYA YASHWANT	P	Þ	ρ	P	P	P
5	MALODE DEVIPRASAD KISAN	р	p	P	P	P	P
6	MANDAGE ROHANKUMAR BALKRUSHNA	P	Р	P	P	ρ	ρ
7	MISHRA SAUMYA SURESH	P	р	Р	P	ρ	ρ
8	MULEY KAUSTUBH AVINASH	P	p	ρ	P	P	P
9	NAIK SWAPNALI BANDU	P	ρ	ρ	P	P	P
10	PATIL KALYANI VIKAS	þ	ρ	P	ρ	P	Γρ
11	PATIL MAYURI SANJAY	P	P	P	P	Р	P
12	PATIL OJASWITA SHAHAJI	P	0	P	P	р	p
13	PATIL PRANALI ISHWAR	P	2	p	P	P	Þ
14	PATIL SAKSHI KANHAIYALAL	P	þ	P	P	p	P
15	PATIL VARSHA RATILAL	ρ	P	p	P	P	P
16	PAWAR ANUIA ANIL	ρ	P	p	ρ	Þ	P
17	PAWAR JANHVI RUSTUM	P	Р	ρ	P	P	P
18	SALUNKHE ANIL SHIVAJI	A	ρ	Р	P	Þ	P
19	SAYAR PRANAV PREMSINGH	P	P	p	P	P	p
20	SHELKE SWATI CHANDRAKANT	P	P	P	P	P	ρ
21	SHINDE NIRANJAN ULHAS	P	P	P	P	P	P
22	SOLASE NIYATA YASHWANT	p	P	P	Þ	Þ	p
23	THAKARE SHRADDHA PARASHARAM	ρ	ρ	P	P	Þ	ρ
24	THETE OMKAR SOMNATH	8	ρ	P	p	P	р
25	TRIBHUVAN YOGESH RAOSAHEB	P	P	ρ	P	P	р
26	UGHADE TRUNALI SUBHASH	ρ	P	P	P	P	ρ
27	VENGURLEKAR ASHLESHA CHANDRASHEKHAR	p	р	р	P	Ρ	P
28	WANKHEDE JIGNESH RAJARAM	A	ρ	P	P	P	P
29	WAYAL NIKITA DAMODHAR	p	ρ	P	P	ρ	ρ
30	YEWALE HEMANGI SHIVAJI	ρ	P	ρ	Р	Р	P



>



Hord & PROFESSOR Course: Coordinator : SMIII Ageneed College : I poliai Dhamargaco, Tallgatpe - Passak



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131315MBT 051031 IE Report 01/2021

Date :04.06.2021

# **Report of Basic Research Methodology workshop**

A Research Methodology Workshop was conducted at SMBT Ayurved College and Hospital, Post Graduate Institute Dhamangoan, Nashik from 1<sup>st</sup> to 3<sup>rd</sup> June 2021. This workshop was organized by the PG Department.

The workshop was started with Dhanvantari Stavana. Welcome of all Participants was done by Principal Dr Bhabad sir. Few words about the Introduction and Importance of a Workshop were delivered by Dr. Varsharani Niphade . The introduction of Participants and all Faculty members were done by Dr. Anushri Netake .

Following Faculty Addressed Key Issues In Research Methodology-

- 01) Dr Amit Gujarathi- Asso. Professor. Department of Community Medicines, SMBT IMSR Center, Dhamangoan Nashik.
- 02) Dr Manasi Padhyegujar HOD, Professor Department of Community Medicines, SMBT IMSR Center, Dhamangoan Nashik.
- 03) Dr. Vaibhav Phartale- Asso. Professor, Department of Kayachikitsa, Shri Saptashrungi Ayurved College and Hospital, Nashik.
- 04) Dr Kiran Shinde- Asso. Professor, Department of Kaumarbhrutya Shri Saptashrungi Ayurved College and Hospital, Nashik.
- 05) Dr Neelam Shrivastav- Asst. Professor. Department of Community Medicines, SMBT IMSR Center, Dhamangoan Nashik.
- 06) Dr.Shyam Ashtekar- Asso. Professor. Department of Community Medicines, SMBT IMSR Center, Dhamangoan Nashik.
- 07) Dr Shekhar Padhyegujar- Professor Department of Community Medicines, SMBT IMSR Center, Dhamangoan Nashik.
- 08) Dr Bharatbhushan Telang- Asst. Professor. Department of Community Medicines, SMBT IMSR Center, Dhamangoan Nashik.
- 09) Dr Parashuram Pawar- Professor, Department of Dravyaguna Shri Saptashrungi Ayurved College and Hospital, Nashik.
- Dr Jai Kini- Asso. Professor Department of Rognidan and V.V; YMT Ayurveda Medical College and Hospital, PG Institute, Navi Mumbai.



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- 11) Dr Kavita Patil- Asso. Professor, Department of Kayachikitsa, Shri Saptashrungi Ayurved College and Hospital, Nashik.
- 12) Dr.Ankush Gunjal- Asso.Professor,Department of Kayachikitsa,SMBT Ayurveda college and hospital Dhamangaon,Nashik.
- 13) Dr. Varsharani Niphade- Asso. Professor, Department of Kayachikitsa, SMBT Ayurveda college and hospital Dhamangaon, Nashik.

#### Details:-

- 1) All 51 participants actively participated in this workshop.
- 2) We took daily Attendance of all participants for both the Morning and Evening time.
- 3) Total 18 hrs. Schedule was also followed.

All the sessions as per schedule were successfully conducted with mentioned time bound schedule as per approved by IMETTT.

This workshop was a grand success in terms of knowledge gained by the participants. It was assessed by Pre n Posttest questionnaires. Workshop was concluded by thanks giving ceremony.

This Workshop was conducted successfully under the guidance of Principal Dr Pradeep Bhabad Sir, PG Coordinator Dr.Shilpa Badhe ,Workshop Coordinator Dr.Varsharani Niphade, Dr Anushri Endait, Dr Shrihas Pagare.

# Basic Workshop in Research Methodology Programme Schedule

# DAY ONE - Date: 01.06.2021, Tuesday

S.N	Topic	Metho d	Tim e (Mi n.)	Speaker	Time
1	Registration, Breakfast and Pre - Test				09:00 am to 09:30 am
2	L-1: Introduction to Research Methodology	Lectur e	45	Dr. Amit Gujrathi	09:30 am to 10:15 am



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3	L-2 : Study Designs-1: Descriptive studies	Lectur e	45	Dr. Amit Gujrathi	10:15 am to 11:00 am
4	L-3 : Study designs-2: Case Control and Cohort Studies	Lectur e	45	Dr. Manasi Padhyegujar	11:00 am to 11:45 am
5	L-4 : Study Designs-3: Experimental studies	Lectur e	45	Dr. Vaibhav Phartale	11:45 am to 12:30 pm
6	Lunch		30		12:30 pm to 01:00 pm
7	<ul> <li>Group Activity-1: Participants will be divided into 4 -5 groups.</li> <li>Each group will discuss among itself and come out with atleast 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> <li>(Tea may be served during group activity)</li> </ul>	Group Activit y	60	Dr. Kiran Shinde Dr. Vaibhav Phartale	01:00 pm to 02:00 pm
8	L-5: Types of Data and Data Presentation	Lectur e	60	Dr. Kiran Shinde	02:00 pm to 03:00 pm
9	L-6: Literature search	Lectur e	45	Dr. Gunjal Ankush	03:00 pm to 03:45 pm

## SMBT Sevabhavi Trust's

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#### Tim S. Metho e Speaker Topic Time N (Min d .) 09:00 am to 1 Breakfast & Tea 09:30 am Group Activity - 2: Participants will Dr. Ankush divide into groups as was done for Group 09:30 am to GA-1 and GA-2. Each group will try to 45 Gunjal 2 Activit 10:15 am search references related to topics Dr. Niphade y finalized and discussed in GA-1 and Varsharani GA-2 Lectur 10:15 am to L-7: Sampling: Methods & Sample 60 Dr. Ashtekar 3 e 11:15 am size Demo Group Activity-3: Participants will divide into groups as in GA-1. Each group will discuss and present · Sampling method adopted for the Group study / studies selected in GA-1 11:15 am to Dr. Ashtekar 60 Activit 4 12:15 pm Dr. Telang Discuss and present sample size y determined for the study Present at least 3 dummy tables generated (Tea shall be served during group activity) 12:15 pm Dr. Shekhar Lectur 60 L-8: Inferential Statistics to 5 Padhyegujar e 01:15 pm 01:15 pm 30 to Lunch 6 01:45 pm

# DAY TWO - Date: 02.06.2021, Wednesday



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7	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.	Group Work	45	Dr. Shekhar Padhyegujar Dr. Telang	01:45 pm to 02:30 pm
8	L-9: Questionnaire Designing	Lectur e	45	Dr. Parshuram Pawar	02:30 pm to 03:15 pm
9	L-10: Writing a research protocol	Lectur e	45	Dr. Jai Kini	03:15 pm to 04:00 pm

# DAY THREE - Date: 03.06.2021, Thursday

S.N	Topic	Method	Time (Min)	Speaker	Time
1	Breakfast & Tea				09:00 am to 09:30 am
2	L-11: Ethical Issues In Medical Research Groups will present ethical issues in their respective studies	Lecture and Group activity	60	Dr. Parshuram Pawar	09:30 am to 10:30 am
3	L-12: Evaluation of a diagnostic test	Lecture	60	Dr. Shekhar Padhyegujar	10:30 am to 11:30 pm
4	L-13: Critical Evaluation of Journal Article	Lecture	60	Dr. Manasi Padhyegujar	11:30 pm to 12:30 pm
5	Lunch		30		12:30 pm to 01:00 pm
6	GA-5: Two journal articles (different study designs)	Group activity	60	Dr. Manasi Padhyegujar	01:00 pm to



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	will be presented and discussed by members. (Tea shall be served during the group activity.)			Dr. Neelam	02:00 pm
7	L-14: Qualitative research methods	Lecture	45	Dr. Kavita Patil	02.00 pm to 02:45 pm
8	L-15: Computer assistance in Data Analysis Excel and EPI Info.	Lecture	45	Dr. Ashtekar	02:45 pm to 03:30 pm
9	Post - Test and Valedictory				03:30 pm to 04:00pm

As Per Guidelines of IMETTT we organize **Approved Faculty Members** on each day of program:

Faculty members are as follows:

Dr. Parshuram Pawar :- (Shree Saptashrungi Ayurved Mahavidyalay & Hospital, Nashik) Dr. Jai Kini :- (YMT Ayurvedic Medical College & Hospital. PG Institute, Navi Mumbai) Dr. Kavita Patil :- (Shree Saptashrungi Ayurved Mahavidyalay & Hospital, Nashik) Dr. Vaibhav Phartale :- (Shree Saptashrungi Ayurved Mahavidyalay & Hospital, Nashik) Dr. Kiran Shinde :- (Shree Saptashrungi Ayurved Mahavidyalay & Hospital, Nashik)

Workshop Coordinator

Dr Varsharani Niphade.

PRINCIPAL Principal S.M.B.T.Ayurved College & Hospital Nandi-Hills, Dhamangaon, Tal. Igatpuri Dist Nashik





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# BASIC WORKSHOP IN RESEARCH METHODOLOGY

# FACULTY ATTENDENCE

# 01 to 03 June 2021

Sr. No.	Name of Faculty	1 <sup>st</sup> June	2 <sup>nd</sup> June	3 <sup>rd</sup> June
1	Dr. Amit Gujrathi	ρ	-	-
2	Dr. Manasi Padhyegujar	P	-	P
3	Dr. Vaibhav Phartale	p	-	
4	Dr. Kiran Shinde	P	_	-
5	Dr. Shekhar Padhyegujar		ρ	P
6	Dr. Parshuram Pawar	<b>→</b>	P	P
7	Dr. Jai Kini	-	P	-
8	Dr. Bharatbhushan Telang	-	P	-
9	Dr. Shyam Ashteka		P	P
10	Dr. Neelam	-		p
11	Dr. Kavita Patil	-		P
12	Dr. Gunjal Ankush	P	P	-
13	Dr. Niphade Varsharani	_	P	





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#### BASIC WORKSHOP IN RESEARCH METHODOLOGY

#### Participant Attendance 01-03 June 2021

Sr.No.	NAME OF Participants	1 June 2021	2 June 2021	3 June 2021
1	Dr. Rajage Priyadarshani	P	P	P
2	Dr. Surekha Khandekar	P	P	P
3	Dr. Sushil Rajane	P	P	P
4	Dr. Manasi Kulkarni	P	P	P
6	Dr. Bhusari Amanrao	P	P	P
7	Dr. Ramakant Ayachit	P	P	P
8	Dr. Vandana Kambale	P	P	P
9	Dr. Parin Bhanushali	P	P	P
5	Dr. Gurav Nikhil	P	P	P
10	Dr. Vaishali Andure	P	P	P
11	Dr. Pranav dave	P	P	P
12	Dr. Pawan Patel	P	P	P
13	Dr. Arti Bohora	ρ	P	P
14	Ghate Ruchiketan	P	P	P
15	Dr. Musale Prasad	P	P	P
16	Anjali Pawankumar	r	P	P
17	Vikram Pagar	P	ſ	P
18	Dr. Pravin mukhi	P	P	P
19	Dr. Subham Shinde	P	P	P
20	Dr. Smita Kapure	P	P	P
21	Dr. Saroj kumar Mukhiya	P	P	P
22	Dr. Preeti Shejwal	P	P	P
23	Dr. Umesh Kapte	P	P	P
24	Dr. Shivani durgude	P	P	P
25	Dr. Shyamala Elkopelli	P	P	r
26	Dr. Sushmita Gosavi	P	p	P
27	Dr. Ankit Bhoir	P	P	P
28	Dr. Suhas Vibhute	P	P	P
29	Dr. Amogh Joshi	P	P	P
30	Dr. Sanket Timande	P	P	P
31	Dr. Prajakta Patharkar	P	P	P
32	Dr. Pratiksha shinde "	P	p	P
33	Dr. More trupati	P	P	P
34	Dr. Milind sakhare	P	P	P
35	Dr. Dipashri Kadam	P	P	P
36	dr. Dnyaneshwar Dhumal	P	P	P
37	Dr. Prajakta Mane	P	P	P

38	Dr. Anil Padghan	P	P	P
39	Dr. Attar Misra	P	P	P
40	Dr. Santosh Matkar	P	P	P
41	Dr. Mayuri Jamukar	P	P	P
42	Dr. Hemangi Magare	p	P	P
43	Dr. Aswini Kanojiya	P	P	P
44	Dr. Nurjahan Mujawar	P	P	P
45	Dr. Manasi Nimbalkar	P	P	P
46	Dr. Pradeep Bhabad	P	P	P
47	Dr. Vaishali Bhabad	P	P	P
48	Dr. Amruta Pol	P	P	P
49	Dr. Pooja patil	P	P	P
50	Dr. Wagh Vinaya	P	P	P
51	Dr. Shadabkhan Yunuskhan	ρ	P	P

Vd. Varsharani S. Niphade Research Workshop Co-ordinator SMBT Ayurved College, Dhamangaon Nashik

Vd.Pradeep R, Bhabad Principal SMBT Ayurved College, Dhamangaon Nashik

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# Date:- 27/05/2021

# Report of Basic Research Methodology workshop

A Research Methodology Workshop was conducted at SMBT Ayurved College and Hospital, Post Graduate Institute Dhamangoan, Nashik from 17<sup>th</sup> to 19<sup>th</sup> May 2021. This workshop was organized by the PG Department.

The workshop was started with DhanvantariStavana. Welcome of all Participants was done by Principal DrBhabad sir. Few words about the Introduction and Importance of a Workshop were delivered by Dr.VarsharaniNiphade. The introduction of Participants and all Faculty members were done by Dr. AnushriNetake.

## Following Faculty Addressed Key Issues In Research Methodology:-

- Dr. AmitGujarathi- Asso. Professor. Department of Community Medicines, SMBT IMSR Center, DhamangoanNashik.
- Dr. ManasiPadhyegujar HOD, Professor Department of Community Medicines, SMBT IMSR Center, DhamangoanNashik.
- 3) Dr. VaibhavPhartale- Asso. Professor, Department of Kayachikitsa, ShriSaptashrungi Ayurved College and Hospital, Nashik.
- 4) Dr. KiranShinde- Asso. Professor, Department of KaumarbhrutyaShriSaptashrungi Ayurved College and Hospital, Nashik.
- 5) Dr. NeelamShrivastav- Asst.Professor. Department of Community Medicines, SMBT IMSR Center, DhamangoanNashik.
- Dr. ShyamAshtekar- Asso. Professor. Department of Community Medicines, SMBT IMSR Center, DhamangoanNashik.
- Dr. ShekharPadhyegujar- Professor Department of Community Medicines, SMBT IMSR Center, DhamangoanNashik.
- Dr. BharatbhushanTelang- Asst.Professor. Department of Community Medicines, SMBT IMSR Center, DhamangoanNashik.
- 9) Dr. ParashuramPawar- Professor, Department of DravyagunaShriSaptashrungi Ayurved College and Hospital, Nashik.
- Dr. Jai Kini- Asso. Professor Department of Rognidan and V.V; YMT Ayurveda Medical College and Hospital, PG Institute, Navi Mumbai.
- 11) Dr. KavitaPatil- Asso. Professor, Department of Kayachikitsa, ShriSaptashrungi Ayurved College and Hospital, Nashik.



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## Details:-

- 1) All 50 participants actively participated in this workshop.
- 2) We took daily Attendance of all participants for both the Morning and Evening time.
- 3) Total 18 hrs. Schedule was also followed.

All the sessions as per schedule were successfully conducted with mentioned time bound schedule as per approved by IMETTT.

This workshop was a grand success in terms of knowledge gained by the participants. It was assessed by Pre n Posttest questionnaires. Workshop was concluded by thanks giving ceremony.

This Workshop was conducted successfully under the guidance of Principal Dr. PradeepBhabad Sir, PG Coordinator Dr.ShilpaBadhe ,Workshop Coordinator Dr.Varsharani Niphade, DrAnushriEndait, DrShrihasPagare.

# Schedule of Basic Research Methodology workshop

# DAY ONE - Date: 17.05.2021, Monday

S. N	Topic	Metho d	Tim e (Mi n.)	Speaker	Time
1	Registration, Breakfast and Pre - Test				09:00 am to 10:00 am
2	L-1: Introduction to Research Methodology	Lectur e	45	Dr. Amit Gujrathi	10:00 am to 10:45 am
3	L-2 : Study Designs-1: Descriptive studies	Lectur	45	Dr. Amit Gujrathi	10:45 am to 11:30 am
4	Tea		15		11:30 am to



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					11:45 am
5	L-3 : Study designs-2: Case Control and Cohort Studies	Lectur e	45	Dr. Manasi Padhyeguja r	11:45 am to 12:30 pm
6	L-4 : Study Designs-3: Experimental studies	Lectur e	45	Dr. Vaibhav Phartale	12:30 pm to 01:15 pm
7	Lunch		30		01:15 pm to 01:45 pm
8	<ul> <li>Group Activity-1: Participants will be divided into 4 -5 groups.</li> <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> <li>(Tea may be served during group activity)</li> </ul>	Activit y	90	Dr. Kiran Shinde Dr. Vaibhav Phartale	01:45 pm to 03:15 pm 03:00 pm
9	L-5: Types of Data and Data Presentation	Lectur e	75	Dr. Kiran Shinde	to 04:15 pm
10	L-6: Literature search	Lectur e	45	Dr. Neelam	04:15 pm to 05:00 pm



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# DAY TWO - Date: 18.05.2021, Tuesday

S · N	Topic	Metho d	Tim e (Min .)	Speaker	Time
1	Breakfast & Tea				09:00 am to 09:30 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	Group Activit y	45	Dr. Neelam Dr. Amit Gujrathi	09:30 am to 10:15 am
3	L-7: Sampling: Methods & Sample size	Lectur e Demo	60	Dr. Ashtekar	10:15 am to 11:15 am
4	<ul> <li>Group Activity-3: Participants will divide into groups as in GA-1. Each group will discuss and present</li> <li>Sampling method adopted for the study / studies selected in GA-1</li> <li>Discuss and present sample size determined for the study</li> <li>Present at least 3 dummy tables generated (Tea shall be served during group activity)</li> </ul>	Group Activit y	75	Dr. Ashtekar Dr. Telang	11:15 am to 12: 30 pm
5	L-8: Inferential Statistics	Lectur e	60	Dr. Shekhar Padhyegujar	12:30 pm to 01:30 pm
6	Lunch		30		01:30 pm to 02:00 pm



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7	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.	Group Work	45	Dr. Shekhar Padhyegujar Dr. Telang	02:00 pm to 02:45 pm
8	L-9: Questionnaire Designing	Lectur e	60	Dr. Parshuram Pawar	02:45 pm to 03:45 pm
9	Теа		15		03:45 pm to 04:00 pm
1 0	L-10: Writing a research protocol	Lectur e	60	Dr. Amit Naik	04:00 pm to 05:00 pm

### DAY THREE - Date: 19.05.2021, Wednesday

S.N	Торіс	Method	Time (Min)	Speaker	Time
1	Breakfast & Tea				09:00 am to 09:30 am
2	L-11: Ethical Issues In Medical Research Groups will present ethical issues in their respective studies	Lecture and Group activity	75	Dr. Parshuram Pawar	09:30 am to 10:45 am
3	Tea		15		10:45 am to 11:00 am
4	L-12: Evaluation of a diagnostic test	Lecture	60	Dr. Shekhar Padhyegujar	11:00 am to 12:00 pm
5	L-13: Critical Evaluation of Journal Article	Lecture	75	Dr. Manasi Padhyegujar	12:00pm to

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					01:15 pm
6	Lunch		30		01:15 pm to 01:45 pm
7	GA-5: Two journal articles (different study designs) will be presented and discussed by members. (Tea shall be served	Group activity	75	Dr. Manasi Padhyegujar Dr. Neelam	01:45 pm to 03:00 pm
8	during the group activity.) L-14: Qualitative research methods	Lecture	45	Dr. Kavita Patil	03:00 pm to 03:45 pm
9	L-15: Computer assistance in Data Analysis Excel and EPI	Lecture	45	Dr. Ashtekar	03:45 pm to 04:30 pm
10	Info. Post - Test and				04:30 pm to 05:00pm

As Per Guidelines of IMETTT we organize Approved Faculty Members on each day of program:

Dr. Amit Naik :- (SMBT Institute of Medical Sciences & Research Center, Dhamangaon, Nashik) Dr. Kavita Patil :- (Shree Saptashrungi Ayurved Mahavidyalay & Hospital, Nashik) Dr. Vaibhav Phartale :- (Shree Saptashrungi Ayurved Mahavidyalay & Hospital, Nashik) Dr. Kiran Shinde :- (Shree Saptashrungi Ayurved Mahavidyalay & Hospital, Nashik)

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Workshop Coordinator DrVarsharani Niphade.



Principal

S.M.B.T.Ayurved College & Hospital Nandi-Hills, Dhamangaon, Tal. Igatouri, Dist. Nashik.



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# **BASIC WORKSHOP IN RESEARCH METHODOLOGY**

# FACULTY ATTENDENCE

# 17-19 May 2021

Sr.No.	Name of Faculty	17 May 21	18 May 21	19May 21
1	Dr. Amit Gujrathi	P	P	
2	Dr. Manasi Padhyegujar	P	-	ρ
3	Dr. Vaibhav Phartale	P	-	-
4	Dr. Kiran Shinde	P		
5	Dr. Shekhar Padhyegujar	-	P	Р
6	Dr. Parshuram Pawar		ρ	P
7	Dr. Jai Kini		ρ	
8	Dr. Bharatbhushan Telang		P	-
9	Dr. Shyam Ashteka		ρ	ρ
10	Dr. Neelam	P	ρ	P
11	Dr. Kavita Patil		~	ρ





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### BASIC WORKSHOP IN RESEARCH METHODOLOGY

#### Participant Attendance 17-19 May 2021

Sr.No.	NAME OF Participants	17 May 2021	18 May 2021	19 May 2021
1	Dr. Padma Digambar Gangurde	P	P	P
2	Dr. Shilpa Premchand Badhe	P	P	P
3	Dr. Manisha Pundlik Gavit	P	P	P
4	Dr. Nitin Shivaji Gaikwad	P	P	P
6	Dr. Vijay Sahebrao Suryawanshi	r	P	P
7	Dr. Sachin Prakash Gwalani	р	P	P
8	Dr. Pallavi alias Priyanka Raosaheb Patil	p	P	P
9	Dr. Pallavi Dattatray Nikam	P	ρ	P
5	Dr. Ankush Haushiram Gunjal	P	P	P
10	Dr. Vedanti Vikram Kadam	P	P	P
11	Dr. Santosh Ramdas Niphade	P	p	P
12	Dr. Nivedita Vinayak Dhanvijay	P	P	P
13	Dr. Swagata Tavhare	p	P	P
14	Dr. Smita Dinkar Mule	1	р	P
15	Dr. Snehal Kamble	P	P	P
16	Dr. Priyanka Wate	P	P	P
17	Dr. Smita Vinayak Kaloge	'P	P	P
18	Dr. Deepali Sachin Chandaliya	P	P	P
19	Dr. Snehalata Baburao Patil	P	P	P
20	Dr. Preeti Pimpalshende	P	P	P
21	Dr. Mohini Jadhav	f	P	P
22	Dr. Darshan Balkrishna Sarmalkar	P	l	P
23	Dr. Prachi Keda Suryavanshi	P	P	P
24	Dr. Shraddha Prashant Jadhav	P	P	P
25	Dr. Khushboo Shailesh Akhade	P	P	P
26	Dr. Kapil Satish Mahajan	P	P	P
27	Dr. Kiran Dipak Kashid	P	P	P
28	Dr. Sumit Krishna Bakle	P	ρ	P
29	Dr. Darshana Sharad Sonawane	P	ρ	P
30	Dr. Vidya Jaywant Varkute	P	ρ	ΓP
31	Dr. Snehal Ramchandra Pansare	P	ρ	P
32	Dr. Vijay Jadhav	P	ſ	P
33	Dr. Yogesh Balasaheb Kadale	P	R	P



34	Dr. Priyanka Rajendra Chaudhari	P	P	P
35	Dr. Shraddha Satyanarayan Shirsath	ρ	P	P
36	Dr. Faisal Arif Khan	P	P	ŕ
37	Dr. Priynaka Shankar Dhodade	P	p	P
38	Dr. Shubham Vilasrao Jane	P	P	P
39	Dr. Pratiksha Gorakh Palve	P	P	P
40	Dr. Vaishnavi Baban Waje	0	P	P
41	Dr. Aarti Kunde	0	P	P
42	Dr. Vaishnavi Anil Sarangdhar	P.	P	P
43	Dr. Sayali Ramesh Sakpal	P	P	P
44	Dr. Monali Ghanshyam Khune	P	12	P
45	Dr. Pooja Ambadas Adole	P	P	P
46	Dr. Pratiksha Ramdas Balki	. 8	P	P
47	Dr. Anjali Kanaujiya	P	P	P
48	Dr. Neha Gopal Babar	P	P	P
49	Dr. Neha Dattaram Mhatre	P	P	P
50	Dr. Amar Lahuraj Sabne	P	P	P

(Hum .

Vd. Varsharani S. Niphade Research Workshop Co-ordinator SMBT Ayurved College, Dhamangaon Nashik Vd.Pradeep R. Bhabad Principal SMBT Ayurved College, Dhamangaon Nashik

Principal S.M.B.T.Ayurved College & Hospital Nandi-Hills, Dhamangaon T-115 (Const-diated)





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REF.No.: 1313/SMBT/0S/11/3/RM/2021

Date- 27/07/2021

#### Report of national Webinar on "INTELLECTUAL PROPERTY RIGHTS"

SMBT AYURVED COLLEGE AND HOSPITAL, Nandi hills, Dhamangaon, Tallgatpuri, Dist- Nashik had organized National webinar on "INTELLECTUAL PROPERTY RIGHTS" on date: 24<sup>th</sup> July 2021, Time : 10.30 am to 12:30 noon. Webinar was intended for UG students, PG students, Faculty, Academicians & Practitioners. Total 384 delegates had registered for the webinar. They were allowed to join through Zoom app. Platform.

The welcome speech was given by Dr. Ankush Gunjal, Asso. Professor, Department of Kayachikitsa. The guest speakers **Mrs. Jaymala Naik**, IP Lawyer, founder of Servetech Associates and guest speaker **Dr. Hanmant G. Varudkar**, Retd. Professor & HOD, Dept. of Pulmonary Medicine, R.D. Gardi Medical College, Ujjain, M.P. Both the guest speakers spoke on Securing Copyrights, Patent, Property Rights etc. and shared their experiences.

Patron for this webinar was **Hon**, **Dr**.**Pradeep Bhabad**, Principal, SMBT AYURVED COLLEGE AND HOSPITAL, Nandi hills, Dhamangaon, Tal- Igatpuri, Dist-Nashik. The organizing secretary Dr. Ankush Gunjal, Asso. Professor, Department of Kayachikitsa, Dr. Jitesh Thakur, Assistant professor, Department of Kaumarbhritya and Dr. Shrihas Pagare, Assistant professor, Department of Agadtantra & Vyavhar Ayruved worked for the success of webinar. Vote for thanks was given by Dr.Shrihas Pagare.

The webinar was highly appreciated by entire delegates and feedback was excellent. E certificate were provided to registered participant.

HOD Research Methodology & Medical Statistics

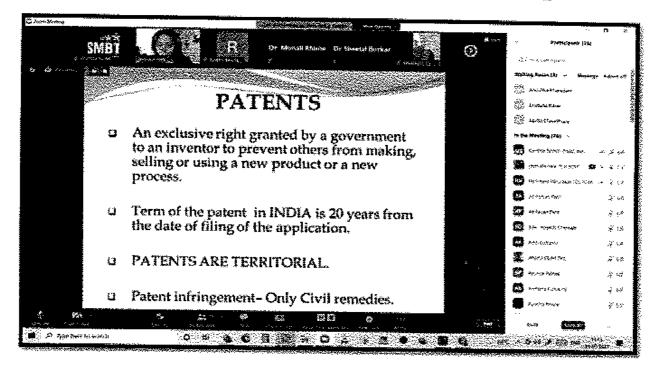


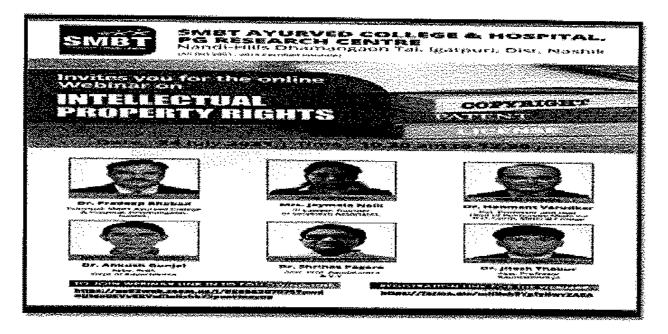
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# NATIONAL WEBINAR ON INTELLECTUAL PROPERTY RIGHTS









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# Ref. No - 1354/SMBT/05/MET/Gen-01

#### Date-01/10/2021

#### CIRCULAR - 01

- HSET is conducting a "GOOD CLINICAL PRACTICES WORKSHOP" for First Year PG students and Teaching Staff to add knowledge regarding Good Practices.
- 2. Schedule :
  - (a) Date 07-10-21 to 08-10-21
  - (b) Time : As per schedule in Brochure
  - (c) Location : Seminar Hall SMBT Ayurved College & Hospital.
- Lectures : As per schedule in brochure.
- 4. Please note attendance is compulsory for those who have registered the course.
- 5. Please acknowledge.

Principal

SMBT Ayurved College & Hospital Principal SMB.T.Ayurved College & Hospital

Distribution -Notice Board





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# Ref.No-1313/SMBT/05/MET/3/IE

#### Date: 11-10-2021

# REPORT OF GOOD CLINICAL PRACTICES WORKSHOP

# Date and time of the event 7-10-2021 to 8-10-2021

- Location of the event SMBT Ayurved college & Hospital,-Seminar Hall
  - Teaching Staff- 17
  - PG Students 13

Resource Person -- As Per Schedule

Name of the section who organized event - HSET cell.

### Summary

Inauguration of GCP was done by- Resp.Dr. Pradeep Bhabad Sir.

Pre-Test was conducted

- Aim of Training/ Agenda--1-
- To protect the rights, safety and welfare of humans participating in research 2-
- To assure the quality, reliability and integrity of data collected 3-
- To provide standards and guidelines for the conduct of clinical research. 4-

Good Clinical Practice = Ethics + Quality Data

# Summary of Lectures--

#### Introduction of ICH-GCP By Dr. Satish Urhe-1-

Good Clinical Practice (GCP) is an international ethical and scientific quality standard for designing, conducting, recording and reporting trials that involve the participation of human subjects. GCP protects-The rights, safety and wellbeing of study participants.GCP - Increased Ethical Awareness. GCP- Prevents Frauds and Accidents during Trials. Voluntary informed consent must be essential for Clinical Trials.

# Principles of ICH-GCP By Dr. Varsharani Niphade

Good clinical practices are applicable for the research where trail subjects are Human Beings. GCPs are necessary to establish the safety and effectiveness of specific health or medical related products and practice- it may be drug, lab investigation or any

GCP has 13 core principles.

1)Principle of Ethical conduct - Research involving human subject should be conducted ethically in accordance with basic principles of equal importance - Respect, Benefficence & Justice of person.

2) Protocol of Clinical Research - the protocol should be scientifically justified and described in a clear & detailed manner. 3) Risk Identification-

Before initiation of clinical research, Foreseeable Risk, discomfort and any anticipated Benefits for trial subject & society should be identified. When the anticipated benefits clearly outweigh the risk, then only can start the clinical





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4) Review by IEC/IRB- Clinical research should recive Independent Ethics Committee Or Institutional Review Boards approval prior to initiation of trail.

5) Protocol Compliance- The trial should be conducted in compliance with only approved protocol.

6) Informed Consent- Freely given informed consent should be obtained from every subject prior to research participatio in accordance with national culture and requirements.

7) Ongoing Benefit/Risk Assessment- The clinical research should be continued only the benefit/ risk profile remains favorable.

8) Investigator Qualification- Qualified and duly licensed Medical personnel should be responsible for the medical care of trial subject & when necessary any medical decision made on behalf of trial subject.

9) Staff Qualification- Each individual in a clinical research should be qualified by education, Training and experience.

10) Record- All clinical trial information should be recorded, handled & stored in a way that allows its accurate reporting interpretation and verification.

11) Privacy and Confidentiality - The confidentiality of record that could reveal the identity of trail subject should be protected.

12) Good Manufacturing Practices- Investigational products should be manufactured, handled & stored in accordance with applicable GMP practice & should be used in accordance with the approved protocol.

13) Quality System- Systems with procedures that assure the quality of every aspect of the trial should be implemented.

Importance of GCP- GCPs are important for the establishment of ethical & scientific quality standards for the design, conduct, recording, & reporting of a clinical research involving the participation of human subjects.

#### 3- Roles and Responsibilities of IEC By Dr. Ankush Gunjal-

The role of IEC in clinical trial is very important.IEC is responsible for the safety of trial subject.

The following are the contents of topic.

- 1) Need of ethics committee.
- 2) Constitution of ethical committee.
- 3) Roles and responsibilities of ethical committee.
- 4) Ethical issues handled by ethical committee.

#### 4- Informed Consent By Dr Shilpa Badhe

Informed consent is the process in which a health care provider educates a patient about the risks, benefits, and alternatives of a given procedure or intervention. The patient



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must be competent to make a voluntary decision about whether to undergo the procedure or intervention. Informed consent is both an ethical and legal obligation of medical practitioners. The following are the required elements for documentation of the informed consent discussion:

- (1) the nature of the procedure,
- (2) the risks and benefits and the procedure,
- (3) reasonable alternatives,
- (4) risks and benefits of alternatives, and
- (5) assessment of the patient's understanding of elements 1 through 4.

### 5- Protocol Elements By Dr Viraj Kelkar

The lecture was conducted online on a zoom platform. Content of a protocol elements topic, what is research protocol. Need of writing research protocol was narrated briefly. Elements of research protocol are Title, Introduction, Aim objectives, Literature review, Methodology, Data collection, Analysis and interpretation method, Ethical consideration, study time frame, Reference style, Bibliography, List of Abbreviation, Budget, Annexure explained in detail with some examples given.

# 6- Roles and Responsibilities of Investigator and Sponsor By Dr. Shrihas Pagare

Topic conducted was Roles and responsibilities of Investigator and Sponsor. Brain storming activity was conducted at the start of session. The definition of Investigator in research was explained during this session. Also the concept of 'Sponsor' was explained. The concept of 'Principal investigator' (PI) was explained. The qualification, experience, adequacy of resources, protocol writing, importance of informed consent was elaborated. The responsibilities of Investigator such as Safety of patient, Reporting of SAE, care of patients during clinical trial & final report submission were conducted. The responsibilities of Sponsor such as selection of Investigator, Allocation of responsibilities, financing, Noncompliance's, compensations ,quality assurance and quality control etc. Were briefly explained at the end of this session.

#### 7- Medical Negligence & Laws of GCP By Dr Kiran Mantri-

Medical Negligence It could be defined as a failure to perform the duty to exercise a reasonable degree of skill and care in the treatment of patient. Types of Negligence are Civil

Negligence and Criminal Negligence. Precautions against Medical Negligence are steps such as



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Never guarantee a cure, Obtain informed consent from the patient, etc. Laws Related to Medical

Negligence are CPC, CrPC, IPC and CONSUMER PROTECTION ACT 1986.

#### 8-Vulnerable Population By Dr Shilpa Badhe

A vulnerable population is a group of people that requires greater protection than normal against the potential risks of participating in research.

The justification for involving the vulnerable population in research is mainly when a particular problem affects that group. However, it is important to understand that participation in biomedical research not only poses risks, but also may provide benefit to participants and society.

Investigators need to explain why they have chosen to conduct the research in children or other vulnerable group instead of in a group that is more able to protect themselves. The desire to protect must be balanced with the need to conduct research in order to advance medical science in order to benefit those same vulnerable populations.

The concern with involving vulnerable persons is twofold. First, no ethical justification exists for excluding vulnerable populations. In fact, it is unethical to exclude such populations from research in that their exclusion restricts knowledge development in areas that would ultimately benefit that group.

Limited autonomy = vulnerablepopulations

Vulnerable populations are so-named because:

They are vulnerable to undue influence or coercion

Undue Influence = "...an offer of an excessive, unwarranted, in appropriate or improper reward orother overture in order to obtain compliance"

Coercion = "...an overt threat of harm is intentionallypresented by one person to another in order toobtain compliance."

They have limited comprehension and understanding(i.e., children)

The following groups are defined as vulnerable in thefederal regulations: Pregnant women, fetuses, and neonates

Children

Prisoners

#### 10-Mana Paribhasha( Ayurveda Mana Paribhasha) By Dr Santosh Niphade Mana Paribhasha...

The meaning of Mana is Measures- through which the weight, volume, length of substance is weighed or measured.

Withuout proper knowledge of measurements it is not possible to formulate a good quality drug or to prescribe it for patients.

Two types of Mana- Kaling & Maghadha were used in classical texts. Out of which Magadha Mana is more superior.

4



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Classical unit of Mana were comparied with Metric equivalent, so the researchers can easily calculate the actual measures.

Tried to make it simple with some examples of Ayurveda drug formulation like Abhayarishta, Kumariaasava, Dadimadi Ghrut etc.

Translation of Some Mana which are difficult to convert in metric equivalent like Rajkolfalopama, Gunja, Shan etc were well explained.

One activity with example of Valla pramaan was given to researchers, where they found the correct measure of Valla in metric equivalent is 375 mg.

It definitely help to understand the Mana Pramana topic.

Handout related to topic was distributed to all participants.

#### 11-GMP & Formulations of Ayurvedic Medicines By Dr Sunita Bhusare

#### GMP AND AYURVEDIC DRUG PREPARATION.

For ASU drugs introduced since 23 rd JUNE 2000 {SCHEDULE 'T"Under(Rule157B)} of Drugs & amp; Cosmetic Rules. Good Manufacturing Practice Is A System Implemented By The Gov. Of India To Insure The Production Of Good Quality Product And To Minimize The Production Of Adulterated And Substandard ASU Medicine. GMP Ensures That Pharmacy Execute Consistent Within Safe Environment, Hence It Prevent Contamination, Recalls, And Loss Of Profit. Gmp Comes With Strict Protocols That Lessen The Risk Of Manufacturing Errors.

To ensure: - i) Raw materials used in the manufacture of drugs are authentic, of prescribed quality and are free from contamination.

ii) The manufacturing process is as has been prescribed to maintain the standards. iii) Adequate quality control measures are adopted.

iv) The manufactured drug which is released for sale is of acceptable quality. Investigational Product Should Be Manufactured, Handled And Stored In Accordance With Applicable Good Manufacturing Practice And Should Be Used In Accordance With The Approved Protocol.

#### 12-GCP and Standard Pancharma Procedures By Dr Anushree Netke

We need to go through our classics, all GCPs are mentioned there for Standard Panchakarma procedures but also we need to adopt the newer techniques for effective and promising Panchakarma results. We can co relate Ayush guidelines with our classics for standard Panchakarma procedures such as Upkalpaniya adhyay of CharakSutrasthanalso the Siddhisthan of CharakUttarardha. Also, our methods should be simple, economical, easy to conduct, time friendly and suitable to patients with convenience.



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# 13-Adverse Drug Reaction By Dr Amol Gulve

Adverse drug reactions (ADRs) – unintended, harmful events attributed to the use of medicines – occur as a cause of and during a significant proportion of unscheduled hospital admissions.

Their are 3 types of ADR on the basis of onset i.e.Acute, subacute, latent. Also there are 6 types of ADR i.e. Augmented, Bizarre, chronic/continues, Delayed, End of drug, failure of efficacy also called type A, type B, type C, type D, type E, type F respectively.where typa A is Predictable and Type B was unpredictable bcoz of Immnune response nd Genetic makeup of patients.

For identification of ADR we can perform Challenge-De Challenge-

Rechallenge mathod. And use Stop-Pause-Reduce and Treatment method for treating the ADR. For detection of ADR, Naranjo question scale was use.

Preventing ADRs depends on avoiding treatment in cohorts of patients who are at increased susceptibility or providing treatment under a therapeutic plan that reduces the

risk of an adverse effect (eg co-administration of other drugs, monitoring blood test results).

Spontaneous reporting (using the Yellow Card Scheme in the UK) based on the suspicion of an ADR is an important part of pharmacovigilance but, overall, ADRs are vastly underreported across healthcare settings and sectors.

#### 14- Pharmacovigilence By Dr Rajesh Wankhede-

Aim and Objectives are to improve patient care and safety in relation to the use of medicine and all medical and paramedical intervention.

- 1) To improve Public Health and safety in relation to use of medicine.
- To contribute to the assessment of benefits ,Harmfulness,effectiveness and risk of medicine, encouraging their safety, rational and more effective use.
- 3) To promote understanding ,education and clinical training to health professionals in pharmacovigilance and its effective communication and the public, were the objectives of session the information about international pharmacovigilance centre UPPSALA & reporting of a ADR with Yellow card scheme was explained in detail manner.

#### 15- Healthy Lifestyle By Dr. Vaishali Bhabad-

Healthy lifestyle has significant role in our day to day life...Many clinical researches can be done on upcoming emerging diseases and lifestyle diseases in which healthy lifestyle and immunity will play important role. Component of healthy lifestyle mainly contribute healthy diet, regular physical activity, sleep pattern, stress management.



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Clinical research healthy lifestyle will have significant contribution. So Investigators has to mention healthy lifestyle modification in protocol accordingly. Ethical conduct, informed consent will necessary for lifestyle modification.

Feedback, Post Test and Certificate Distribution was done. After assessment of feedback it is observed that some points for improvement are suggested by the participant are schedule is more theoretical and was too tight. So the brain storming activities will be added in next workshop,

Dr. Shilpa Badhe CURRICULAR SECRETORY

Dr. Varsharani Niphade HSET CELL COORDINATIOR

Dr. Pradgep Bhabad

PRINCIPAL Principal S.M.B.TAyurved College & Hospital Handi-Hills, Divamangaon, Tai Jostperf, Dist, Hard Rt.





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# GOOD CLINICAL PRACTICES

Good Clinical Practice (GCP) is an international ethical and scientific quality standard for the design, conduct, performance, monitoring, auditing, recording, analyses and reporting of clinical trials. It also serves to protect the rights, integrity and confidentiality of trial subjects.

Good Clinical Practice (GCP) is an international ethical and scientific quality standard for the design, conduct, performance, monitoring, auditing, recording, analyses and reporting of clinical trials. It also serves to protect the rights, integrity and confidentiality of trial subjects. It is very important to understand the background of the formation of the ICH-GCP guidelines as this, in itself, explains the reasons and the need for doing so. In this paper, we address the historical background and the events that led up to the formation of these guidelines. Today, the ICH-GCP guidelines are used in clinical trials throughout the globe with the main aim of protecting and preserving human rights.

What are the goals of GCP? What are the goals of GCP?

- \* To protect the rights, safety and welfare of humans participating in research
- \* To assure the quality, reliability and integrity of data collected
- \* To provide standards and guidelines for the conduct of clinical research
- \* Good Clinical Practice = Ethics + Quality Data

#### Course Date- 7th and 8th October 2021

	GO	OD CLINICA	L PRACTICES					
	. 2544. 08	Day-	1					
	Thursday-7th October 2021							
S.N o.	Name of Topics	Speaker	Designation	Time				
1	Registration and Breakfast	1.1.1-1.14	1. ja – ja 1. ja 1	9am To 9.30 am				



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2	Pretest and Inaugration			9.30am to 10.0 am
3	Introduction of ICH-GCP	Dr. Satish Urhe	Asst. Professor,Department of Panchakarma. SMBT Ayuved college	10.am to 10.45am
4	Principles of ICH-GCP	Dr. Varsharani Niphade	Asso. Professor,Department of Kayachikitsa. SMBT Ayuved college	10.45am to 11.30am
5	Roles and Responsibilities of IEC	Dr. Ankush Gunjal	Asso. Professor,Department of Kayachikitsa. SMBT Ayuved college	11.30am to 12.15 pm
6	Informed Consent	Dr. Shilpa Badhe	Professor,Department of Shalyatantra. SMBT Ayuved college	12.15 pm to 1 pm

7	Protocol Elements	Dr. Viraj Kelkar	Agadtantra. YMTAMC,Navi Mumbai	1.45 pm to 2.45 pm
8	Roles and Responsibilities of Investigator and Sponsor	Dr. Shrihas Pagare	Asst. Professor,Department of Agadtantra. SMBT Ayuved college	2.45 pm to 3.30pm

COURSE CODE - SMVA10 Course Coordinator-- Dr Varsharani Niphade Dr. Shilpa Badhe

Course Date- 7th and 8 th October 202

Sec	GC	OOD CLINICA	AL PRACTICES			
		Day	y-2			
Thursday-8th October 2021						
S.N o	Name of Topics	Speaker	Designation	Time		
1	Medical Negligence & Laws of GCP	Dr. Kiran Mantri	Asso. Professor,Department of Agadtantra. SMBT Ayuved college	9.30 to 10.am		



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2	Vulnerable Population	Dr. Shilpa Badhe	Professor,Department of Shalyatantra. SMBT Ayuved college	10.am to 10.45 am
3	Mana Paribhasha( Ayurveda Mana Paribhasha)Dr. Santosh NiphadeAsst. Professor, Department of RSBK.Mana Paribhasha)Dr. Santosh NiphadeRSBK.		10.45am to 11.15 am	
4	GMP & Formulations of Ayurvedic Medicines     Dr.Sunita     Asso. Professor,Department of RSBK.       SMBT Ayuved college		11.15am to 12.pm	
5	GCP and Standard Pancharma Procedures	Dr. Anushree Netke	Asso. Professor,Department of Panchakarma. SMBT Ayuved college	12pm to 12.45pm
		Lunch	Break	
6	Adverse Drug Reaction	Dr. Amol Gulve	Asst. Professor,Department of Kayachikitsa. SMBT Ayuved college	1.30 pm to 2.15 pm
7	Pharmacovigilence         Dr. Rajesh Wankhede         Professor, Department of Dravyagunvidnyan.		2.15 pm to 3 pm	
8	Healthy Lifestyle	Dr. Vaishali Bhabad	Professor,Department of Swasthavritta SMBT Ayuved college	3 pm to 3.30 pm

COURSE CODE - SMVA10

Course Coordinator-- Dr Varsharani Niphade Dr. Shilpa Badhe

Course Date- 7th and 8 th October 20





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# Good Clinical Practices Workshop 07th & 08th Oct 2021

#### FACULTY ATTENDANCE

Name of Faculty	Day 1 <sup>st</sup> 07 <sup>th</sup> Oct	Day 2 <sup>nd</sup> 08 <sup>th</sup> Oct
Dr. (Irbe Satish	P	-
	ρ	Alterna and a second
DR. GUDIAL ADKUSDD	P	-
PR. Bodhe Shilpa	P	Ρ
DR. Vingi Kelkan	200m - online lecture	-
	ρ	-
	-	P
	-	P
DR. Bhusare sunita.	-	P
DR. Netke Anushki	-	P
	~	ρ
	-	P
DR. Rhabad Voishall.	-	ρ
	Dr. Urbe Satish Dr. Urbe Satish Dr. Variobarani Niphade Dr. Gunjal Ankuroh Dr. Badhe Shilpa Dr. Viraj Kelkar Dr. Pagare Shrihao Dr. Pagare Shrihao Dr. Niphade Santosh Dr. Bhusare Sunita Dr. Bhusare Sunita Dr. Netke Anushkj Dr. Gulve Amol Dr. Klankhade Rajedh	Dr. Urbe Satish P Dr. Urbe Satish P DR. Varbharani Niphade P DR. Gunjal Ankurbh P DR. Gunjal Ankurbh P DR. Badhe Shilpa P DR. Niraj Kelkar 2000 - online lecture DR. Pagare Shrihar P DR. Mantri Kiran - DR. Niphade Santosh - DR. Niphade Santosh - DR. Bhurare Sunita DR. Netke Anurbici - DR. Netke Anurbici - DR. Gulve Amol - DR. Lankhade Rajebh -





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#### Good Clinical Practices Workshop 07th & 08th Oct 2021

#### **DELEGATES ATTENDANCE**

Sr No	Name of Faculty	Day 1 <sup>st</sup> 07 <sup>th</sup> Oct	Day 2 <sup>nd</sup> 08 <sup>th</sup> Oc <b>t</b>
14	DR. Pradaya Debbaukh	P	Р
24	DR. Monisha Gavit	ρ	Р
SL	DR. Mayuri Nagre	р	P
44	DR. Darbhaa Barkar	p	P
5	DR. Pallavi Bapsaheb Patil	P	Р
64	DR sakshi P. Waghmare	P	P
74	DR. Mohini M. Jadhav	P	P
84	DR. Nivedita V. Dhanvijay	Р	P
94	DR. Anil Wagh	ρ	р
104	DR. Boshan Dhale	P	Р
116	DR. Amol Gille	Р	Р
124	DR vijay suryawanshi	P	Р
131	DR. Kiran Mantri	Ρ	Р
144	DR. Gaikwad Nith	P	P
5	DR. Bachana Aware	р	P
167	DR. Sontosh Niphade	р	Р
174	DR. JUDE Nirbbaxane	Р	P
184	DR. Pooja Adde	P	р
19>	DR. Monali G. Khune	Р	Р
201	DR Sayali Sakpal.	Р	р
214	DB. Vaishnavi Sarangdhar	P	р
224	DR. Shraddha P. Jadhav	P	P
231		р	Р
246		P	P
254	DR. Snehal R. Pansare	P	P
REY	DR. Anjali B. Konaujiya	P	p
274		q	P
284		р	р
294		P	9
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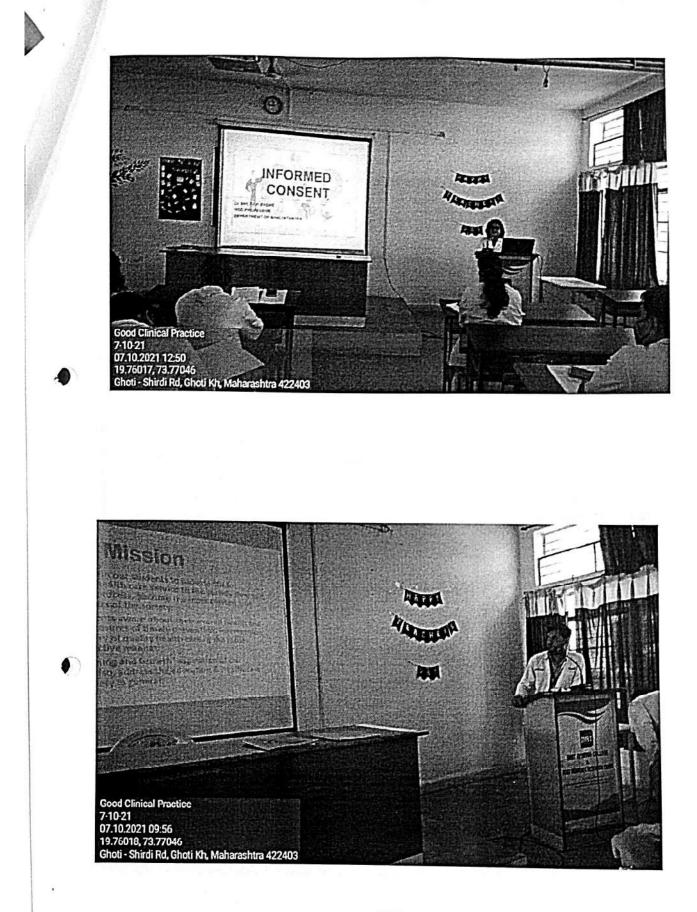




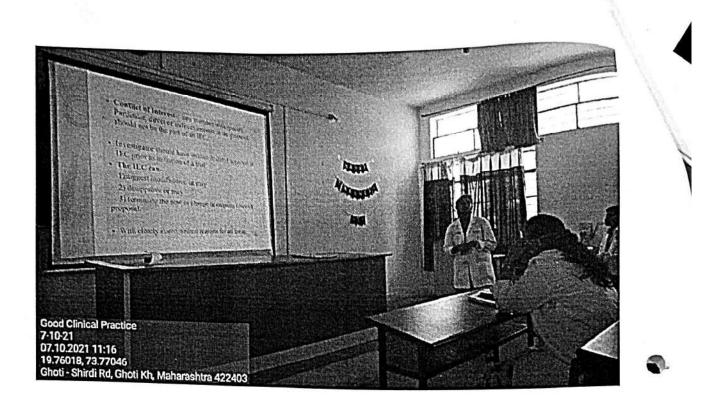


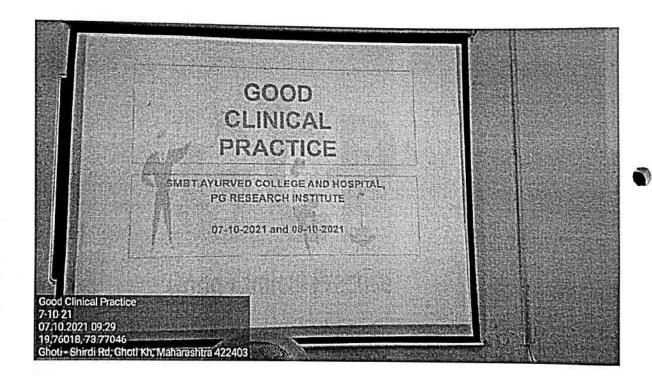




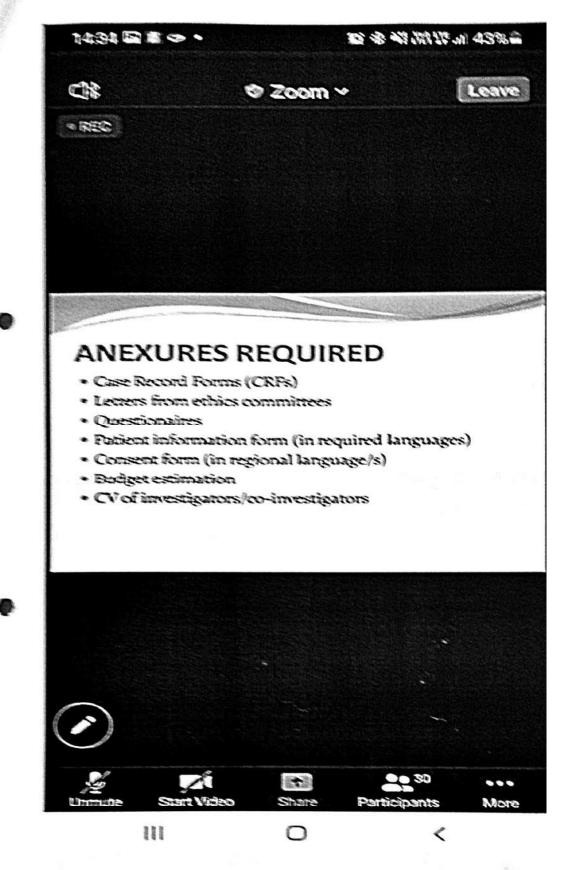




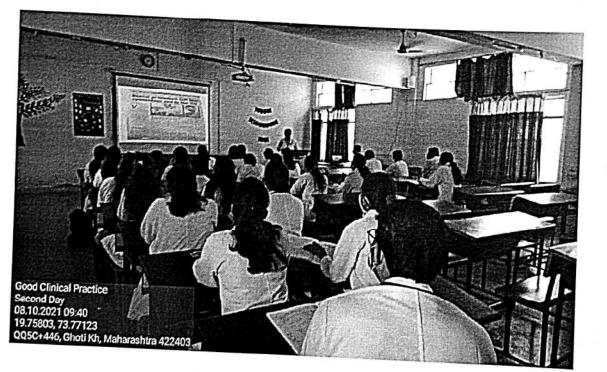








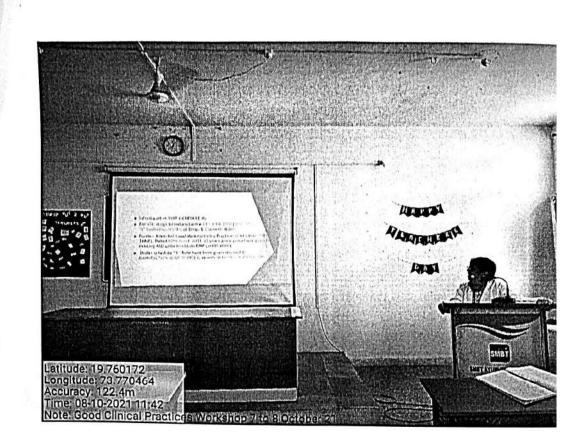
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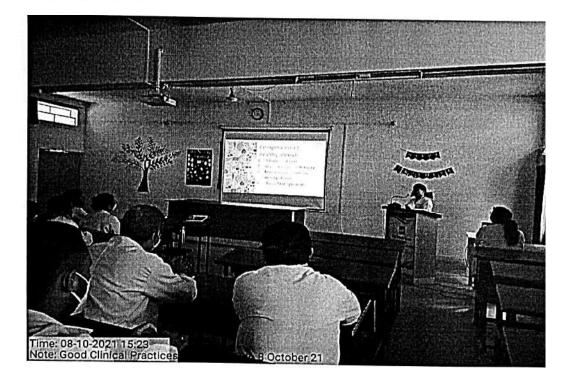




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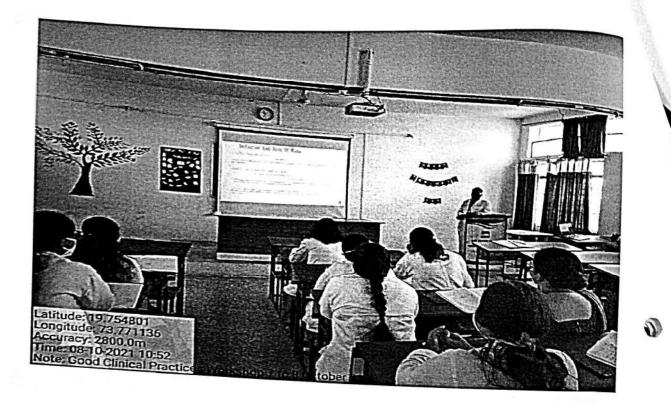


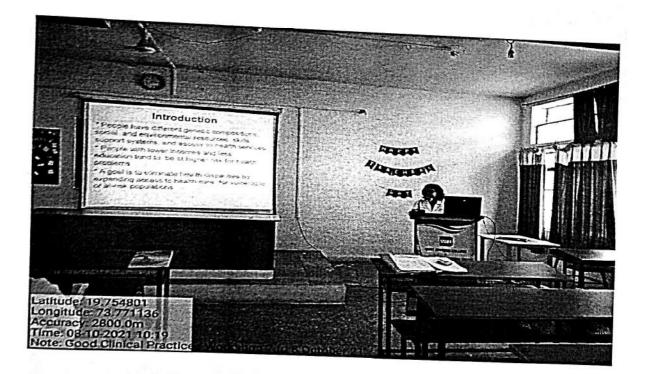




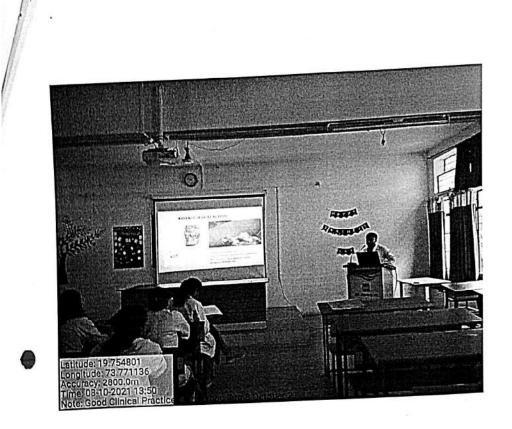
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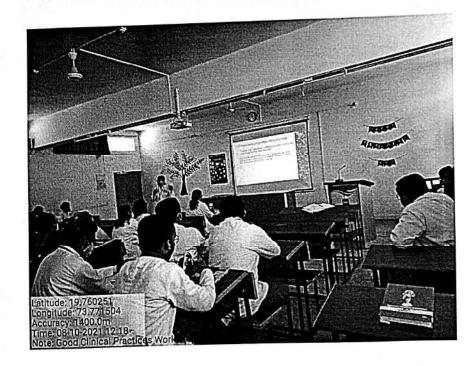
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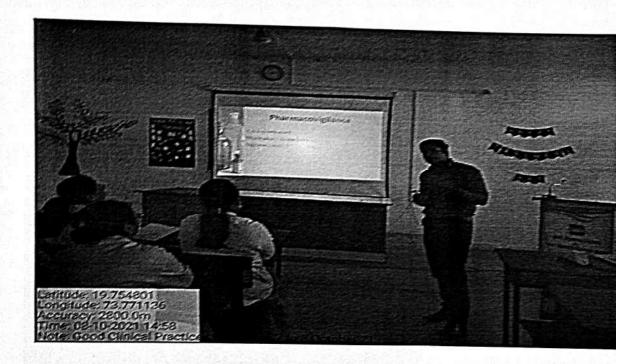




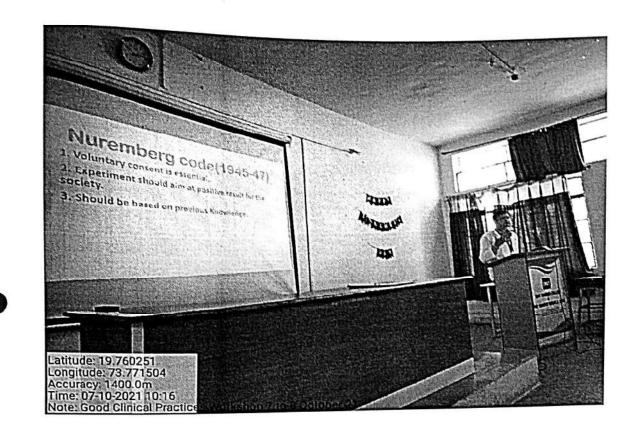


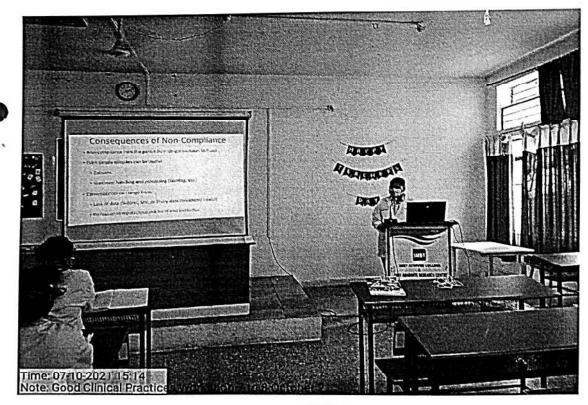
















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#### Date :- 11/10/2021

# Good clinical practices workshop 7th& 8th Oct 2021

### Workshop Evaluation Sheet

NAME OF DELEGATES	PRE TEST	POST TEST	GRADES	SIGN OF TRAINER
Dr. Pradnya Deshmukh	10	15	PASS A	(sh
Dr. Manisha Gavit	11	15	PASS A	Ø
Dr. Darshna Borkar	8	14	PASS A	Or
Dr . Mayuri Nagre	10	11	PASS B	Gr
Dr. Pallavi Patil	9	15	PASS A	G
Dr. Sakshi Waghmare	13	14	PASS A	Ø
Dr. MohiniJadhav	9	11	PASS B	Ð
Dr. Nivedita Dhanvijay	12	13	PASS A	Q
Dr. Anil Wagh	9	12	PASS A	Ĉ.
Dr. Roshan Dhale	9	12	PASS A	Or
Dr. Amol Gulve	13	13	PASS A	C
Dr. Vijay Suryawanshi	13	12	PASS A	Q
Dr. Kiran Mantri	11	13	PASS A	$\beta$
Dr. Gaikwad Nitin	9	12	PASS A	Ø
Dr. Rachana Aware	9	12	PASS A	Ø
Dr . Santosh Niphade	9	13	PASS A	()



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Dr. Jyoti Nirbhavne	11	13	PASS A	Q.
Dr. Pooja Adole	7	10	PASS C	e
Dr.Monali Khure	10	12	PASS A	U.
Dr. Sayali Sakpal	9	12	PASS A	J.
Dr. Vaishnvi	9	12	PASS A	Q.
Sarangdhar Dr. Shraddha Jadhav	10	13	PASS A	Q.
Dr. Prachi Suryawanshi	10	14	PASS A	B
Dr. Pratiksha Balki	11	11	PASS B	C
Dr. Snehal Pansare	11	12	PASS A	le
Dr. Anjali . K	10	12	PASS A	Q.
Dr. Priyanka Dhodade	9	11	PASS B	Cr.
Dr. Yogesh Kudale	10	13	PASS A	ler -
Dr. Vidya Varkute	11	12	PASS A	2
Dr. Darshana Sonawane	10	12	PASS A	(3D

Result Analysis : - Pass => 08 marks.

Grade A	>12
Grade B	>10
Grade C	8-10

Dr.Varsharani Niphade HSET CELL COORDINATOR



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### Ref. No - 1354/SMBT/05/MET/Gen-02

Date-22/12/2021

#### CIRCULAR - 02

- HSET is conducting a "GOOD CLINICAL PRACTICES WORKSHOP" for First Year PG students and Teaching Staff to add knowledge regarding Good Practices.
- 2. Schedule :
  - (a) Date 29-12-21 to 30-12-21
  - (b) Time : As per schedule in Brochure
  - (c) Location: Seminar Hall SMBT Ayurved College & Hospital.
- Lectures : As per schedule in brochure.
- 4. Please note attendance is compulsory for those who have registered the course.
- 5. Please acknowledge.

SMBT Ayurved Coffege & Hospital

Principal S.M.B.T.Ayurved Cotlege & Hospital



Distribution -

Notice Board



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	GOOD	CLINICAL PR	ACTICES		
		Day-1			
	Thur	sday-29 <sup>th</sup> Decembe	or 2021		
S.No.	Name of Topics Speaker Designation		Designation	9.30 am to 10am	
• 1	Pretest and Inaugration				
2	Introduction of ICH-GCP	Dr. Satish Urhe	Asst. Professor,Department of Panchakarma. SMBT Ayuved college	10 am to10.45am	
3	Principles of ICH-GCP	Dr. Varsharani Niphade	Asso. Professor,Department of Kayachikitsa. SMBT Ayuved college	10.45 am to 11.30 am	
4	Roles and Responsibilities of IEC	Dr. Ankush Gunjal	Asso. Professor,Department of Kayachikitsa. SMBT Ayuved college	11.30 am to 12.15 pm	
5	Informed Consent	Dr. Shilpa Badhe	Professor,Department of Shalyatantra. SMBT Ayuved college	12.15 pm to 1 pm	
		Lunch Break			
7	Protocol Elements	Dr. Varsharani Niphade	Asso. Professor,Department of Kayachikitsa. SMBT Ayuved college	1.45 pm to 2.45 pm	
8	Roles and Responsibilities of Investigator and Sponsor	Dr. Jitesh Thakur	Asst. Professor,Department of Kaumarbhritya. SMBT Ayuved college	2.45 pm to 3.30 pm	



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#### OURSE CODE - SMVA10 ourse Coordinator-- Dr Varsharani Niphade ourse Date- 29th and 30th December 2021

s.		Day-2						
Thursday-30th December 2021								
5.N	Name of Topics	Speaker	Designation	Time				
1	1 Medical Negligence & Law Dr. Kiran Ma of GCP		Asso. Professor ,Department ofAgadtantra. SMBT Ayuved college	9.30 am to 10 am				
2	Vulnerable Population	Dr. Shilpa Badhe	Professor,Department of Shalyatantra. SMBT Ayuved college	10 am to 10.45 am				
3	Mana Paribhasha( Ayurveda Mana Paribhasha)	Dr. Santosh Niphade	Asst. Professor,Department of RSBK. SMBT Ayuved college	10.45 am to 11.15 am				
4	GMP & Formulations of Ayurvedic Medicines	Dr.Sunita Bhusare	Asso. Professor,Department of RSBK. SMBT Ayuved college	11.15 am to 12 pm				
5	GCP and Standard Pancharma Procedures	Dr. Anushree Netke	Asso. Professor,Department of Panchakarma. SMBT Ayuved college	12 pm to 12.45 pm				

#### Lunch Break

6	Adverse Drug Reaction	Dr. Amol Gulve	Asst. Professor,Department of Kayachikitsa. SMBT Ayuved college	1.30 pm to 2.15 pm
7	Pharmacovigilence	Dr. Rajesh Wankhede	Professor,Department of Dravyagunvidnyan. SMBT Ayuved college	2.15 pm to 3.pm



3

#### SMBT Sevabhavi Trust's SMBT AYURVED COLLEGE AND HOSPITAL

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	the second s
Healthy	Lifestyle

Dr. Vaishali Bhabad

Professor, Department of Swasthavritta 3 pm to SMBT Ayuved college 3.30 pm

URSE CODE - SMVA10 urse Coordinator-- Dr Varsharani Niphade ume Date- 29th and 30th December 2021



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#### Ref.No-1313/SMBT/05/MET/3/IE

#### Date: 31-12-2021

#### REPORT OF GOOD CLINICAL PRACTICES WORKSHOP

In SMBT Ayurved College and Hospital Curriculum committee and HSET was conducted workshop on Good clinical Practices for first year PG students and Teaching Staff to add knowledge regarding Good Practices.

#### Date and time of the event: 29-12-21 to 30-12-21

Location of the event - SMBT Ayurved college & Hospital-Seminar Hall

- Teaching Staff-13
- PG Students 16

Resource Person - As Per Schedule

Name of the section who organized event - HSET cell.

Summary -

Inauguration of GCP was done by- Resp. Dr. Pradeep Bhabad Sir.

Pre-Test was conducted.

Aim of Training/ Agenda -

- 1- To protect the rights, safety and welfare of humans participating in research.
- 2- To assure the quality, reliability and integrity of data collected.
- 3- To provide standards and guidelines for the conduct of clinical research.
- 4- Good Clinical Practice = Ethics + Quality Data.

#### Summary of Lectures--

#### 1- Introduction of ICH-GCP By Dr. Satish Urhe-

Good Clinical Practice (GCP) is an international ethical and scientific quality standard for designing, conducting, recording and reporting trials that involve the participation of human subjects. GCP protects-The rights, safety and wellbeing of study participants.GCP - Increased Ethical Awareness. GCP- Prevents Frauds and Accidents during Trials. Voluntary informed consent must be essential for Clinical Trials.

#### 2- Principles of ICH-GCP By Dr. Varsharani Niphade

Good clinical practices are applicable for the research where trail subjects are Human Beings. GCPs are necessary to establish the safety and effectiveness of specific health or medical related products and practice- it may be drug, lab investigation or any intervention.

#### GCP has 13 core principles

1)Principle of Ethical conduct - Research involving human subject should be conducted ethically in accordance with basic principles of equal importance - Respect, Beneficence& Justice of person.

2) Protocol of Clinical Research- the protocol should be scientifically justified and described in a clear & detailed manner.

3) Risk Identification- Before initiation of clinical research, Foreseeable Risk, discomfort and any anticipated Benefits for trial subject & society should be identified.



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When the anticipated benefits clearly outweigh the risk, then only can start the clinical trials.

4) Review by IEC/IRB- Clinical research should receive Independent Ethics Committee Or Institutional Review Boards approval prior to initiation of trail.

5) Protocol Compliance- The trial should be conducted in compliance with only approved protocol.

6) Informed Consent- Freely given informed consent should be obtained from every subject prior to research participation in accordance with national culture and requirements.

7) Ongoing Benefit/Risk Assessment- The clinical research should be continued only the benefit/ risk profile remains favorable.

Qualified and duly licensed Medical personnel should be 8) Investigator Qualificationresponsible for the medical care of trial subject & when necessary any medical decision made on behalf of trial subject.

Each individual in a clinical research should be qualified by 9) Staff Qualificationeducation, Training and experience.

10) Record- All clinical trial information should be recorded, handled & stored in a way that allows its accurate reporting interpretation and verification.

The confidentiality of record that could reveal the 11) Privacy and Confidentiality identity of trail subject should be protected.

12) Good Manufacturing Practices- Investigational products should be manufactured, handled & stored in accordance with applicable GMP practice & should be used in accordance with the approved protocol.

13) Quality System- Systems with procedures that assure the quality of every aspect of the trial should be implemented.

Importance of GCP - GCPs are important for the establishment of ethical & scientific quality standards for the design, conduct, recording& reporting of a clinical research involving the participation of human subjects.

### 3- Roles and Responsibilities of IEC By Dr. Ankush Gunjal-

The role of IEC in clinical trial is very important.IEC is responsible for the safety of trial subject. The following are the contents of topic.

1) Need of ethics committee.

- 2) Constitution of ethical committee.
- 3) Roles and responsibilities of ethical committee.
- Ethical issues handled by ethical committee.

### 4- Informed Consent By Dr. Shilpa Badhe



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Informed consent is the process in which a health care provider educates a patient about the risks, benefits, and alternatives of a given procedure or intervention. The patient must be competent to make a voluntary decision about whether to undergo the procedure or intervention. Informed consent is both an ethical and legal obligation of medical practitioners. The following are the required elements for documentation of the informed consent discussion:

(1) the nature of the procedure,

- (2) the risks and benefits and the procedure,
- (3) reasonable alternatives,
- (4) risks and benefits of alternatives, and
- (5) Assessment of the patient's understanding of elements 1 through 4.

### 5- Protocol Elements By Dr. Varsharani Niphade

Research protocol should be written in definite manner. Following are the elements of writing research protocol.

- 1) Definition of research.
- 2) Definition of research protocol.

Need of written research protocol.

4) Elements of research protocol- Title, Introduction, Aim-Objectives, Literature review, Methodology, Data collection, Analysis and interpretation methods, Ethical consideration, Study time frame, Reference style, Bibliography, List of Abbreviation, Budget, Annexure.

5) Protocol violation,.

Common pitfalls to avoid while writing research protocol.

All these aspects are covered in a lecture in detail manner.

## 6- Roles and Responsibilities of Investigator and Sponsor By DrJitesh Thakur

Topic conducted was Roles and responsibilities of Investigator and Sponsor.Brain storming activity was conducted at the start of session. The definition of Investigator in research was explained during this session. Also the concept of Sponsor was explained. The concept of Principal investigator (PI) was explained. The qualification, experience, adequacy of resources, protocol writing, responsibilities elaborated.The consent was informed importance of of Investigator such as Safety of patient, Reporting of SAE, care of patients during clinical trial & final report submission were conducted. The responsibilities of Sponsor such as selection of Investigator, Allocation of responsibilities, financing, Noncompliance's, compensations, quality assurance and quality control etc. Were briefly explained at the end of this session.



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7- Medical Negligence & Laws of GCP By Dr. Kiran Mantri-Medical Negligence It could be defined as a failure to perform the duty to exercise a reasonable degree of skill and care in the treatment of patient. Types of Negligence are Civil Negligence and Criminal Negligence. Precautions against Medical Negligence are steps such as Never guarantee a cure, Obtain informed consent from the patient, etc. Laws Related to Medical Negligence are CPC, CrPC, IPC and CONSUMER PROTECTION ACT 1986.

## 8-Vulnerable Population By Dr Shilpa Badhe

A vulnerable population is a group of people that requires greater protection than normal against the potential risks of participating in research.

The justification for involving the vulnerable population in research is mainly when a particular problem affects that group. However, it is important to understand that participation in biomedical research not only poses risks, but also may provide benefit to participants and society.

Investigators need to explain why they have chosen to conduct the research in children or other vulnerable group instead of in a group that is more able to protect themselves. The desire to protect must be balanced with the need to conduct research in order to advance medical science in order to benefit those same vulnerable populations.

The concern with involving vulnerable persons is twofold. First, no ethical justification exists for excluding vulnerable populations. In fact, it is unethical to exclude such

populations from research in that their exclusion restricts knowledge development in areas that would ultimately benefit that group.

Limited autonomy = vulnerable populations Vulnerable populations are so-named because: They are vulnerable to undue influence or coercion Undue Influence = "...an offer of an excessive, unwarranted, inappropriate or improper reward or other overture in order to obtain compliance" Coercion = "...an overt threat of harm is intentionally presented by one person to another in order to obtain compliance." They have limited comprehension and understanding (i.e., children) The following groups are defined as vulnerable in the federal regulations: Pregnant women, fetuses, and neonates Children Prisoners



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## 10- Mana Paribhasha ( Ayurveda Mana Paribhasha) By Dr Santosh Niphade

The meaning of Mana is Measures- through which the weight, volume, length of

substance is weighed or measured. Withuout proper knowledge of measurements it is not possible to formulate a good

quality drug or to prescribe it for patients. Two types of Mana- Kaling&Maghadha were used in classical texts. Out of which

Magadha Mana is more superior. Classical unit of Mana were compared with Metric equivalent, so the researchers can

easily calculate the actual measures. Tried to make it simple with some examples of Ayurveda drug formulation like Abhayarishta, Kumariaasava, DadimadiGhrut etc.

Translation of Some Mana which are difficult to convert in metric equivalent like

Rajkolfalopama, Gunja, Shanetc were well explained. One activity with example of Valla pramaan was given to researchers, where they found the correct measure of Valla in metric equivalent is 375 mg.

It definitely help to understand the ManaPramana topic.

Handout related to topic was distributed to all participants.

## 11-GMP & Formulations of Ayurvedic Medicines By Dr. Sunita Bhusare

GMP AND AYURVEDIC DRUG PREPARATION -

For ASU drugs introduced since 23 rd JUNE 2000 (SCHEDULE 'T'' Under (Rule157B)) of Drugs & amp; Cosmetic Rules. Good Manufacturing Practice Is A System Implemented By The Gov. Of India To Insure The Production Of Good Quality Product And To Minimize The Production Of Adulterated And Substandard ASU Medicine. GMP Ensures That Pharmacy Execute Consistent Within Safe Environment, Hence It Prevent Contamination, Recalls, And Loss Of Profit. Gmp Comes With Strict Protocols That Lessen The Risk Of Manufacturing Errors.

To ensure: - i) Raw materials used in the manufacture of drugs are authentic, of prescribed quality and are free from contamination.

ii) The manufacturing process is as has been prescribed to maintain the standards.

iii) Adequate quality control measures are adopted.

iv) The manufactured drug which is released for sale is of acceptable quality. Investigational Product Should Be Manufactured, Handled And Stored In Accordance With Applicable Good Manufacturing Practice And Should Be Used In Accordance With The Approved Protocol.



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12- GCP and Standard Pancharma Procedures By Dr. Anushree Netke We need to go through our classics, all GCPs are mentioned there for Standard Panchakarma procedures but also we need to adopt the newer techniques for effective and promising Panchakarma results. We can co relate Ayush guidelines with our classics for standard Panchakarma procedures such as Upkalpaniya adhyay of CharakSutrasthanalso the Siddhisthan of CharakUttarardha. Also, our methods should be simple, economical, easy to conduct, time friendly and suitable to patients with convenience.

#### 13- Adverse Drug Reaction By Dr. Amol Gulve

Adverse drug reactions (ADRs) – unintended, harmful events attributed to the use of medicines – occur as a cause of and during a significant proportion of unscheduled hospital admissions.

\*Their are 3 types of ADR on the basis of onset i.e. Acute, Subacute, latent. Also there are 6 types of ADR i.e. Augmented, Bizarre, chronic/continues, Delayed, End of drug, failure of efficacy also called type A, type B, type C, type D, type E, type F respectively.where type A is Predictable and Type B was unpredictable because of Immune response and Genetic makeup of patients.

For identification of ADR we can perform Challenge-De Challenge-

Rechallenge method. And use Stop-Pause-Reduce and Treatment method for treating the ADR. For detection of ADR, Naranjo question scale was use.

Preventing ADRs depends on avoiding treatment in cohorts of patients who are at increased susceptibility or providing treatment under a therapeutic plan that reduces the risk of an adverse effect (eg co-administration of other drugs, monitoring blood test results).

Spontaneous reporting (using the Yellow Card Scheme in the UK) based on the suspicion of an ADR is an important part of pharmacovigilance but, overall, ADRs are vastly underreported across healthcare settings and sectors.

#### 14-Pharmacovigilence By Dr Rajesh Wankhede-

Aim and Objectives are to improve patient care and safety in relation to the use of medicine and all medical and paramedical intervention.

1) To improve Public Health and safety in relation to use of medicine.

- To contribute to the assessment of benefits ,Harmfulness,effectiveness and risk of medicine,encouraging their safety,rational and more effective use.
- 3) To promote understanding ,education and clinical training to health professionals in pharmacovigilance and its effective communication and the public. Were the objectives of session the information about Central Drug Standard Control Organization - CDSCO was given briefly. For severity assessment of ADR -Hartwings scale was used. Roles & activities of pharmacovigilance Centre was



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explained. Nearest centre for reporting of a pharmacovigilance to SMBT Ayurved Hospital is R.A. Podar Medical (Ayurved) College Worali, Mumbai.

## 15- Healthy Lifestyle By Dr. Vaishali Bhabad-

Healthy lifestyle has significant role in our day to day life...Many clinical researches can be done on upcoming emerging diseases and lifestyle diseases in which healthy lifestyle and immunity will play important role. Component of healthy lifestyle mainly contribute healthy diet,regular physical activity, sleep pattern, stress management. In Clinical research healthy lifestyle will have significant contribution. So Investigators has to mention healthy lifestyle modification in protocol accordingly. Ethical conduct, informed consent will necessary for lifestyle modification.

Post Test, Feedback and Certificate Distribution was done. The workshop was ended with Vote of thanks provided by Dr. Sonali Pharate.

When feedback of a workshop is assessed for further improvement it is suggested to add group activities related to the GCP in same workshop. Most of participants provided feedback that this GCP will add some more knowledge and values about a conduction of human trials. It will help researchers to improve their clinical research work in future.

Dr. Shilpa Badhe CURRICULAR SECRETORY

Dr. Varsharani Niphade HSET CELL COORDINATIOR

Dr. Pradeep Bhabad

PRINCIPAL

Principal S.M.B.T.Ayurved College & Hospital Nandi-Hills,Dhamangaon,Tal.Igatpuri,Dist.Nashik.



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#### Good Clinical Practices Workshop 29th & 30th Dec 2021

#### FACULTY ATTENDANCE

Sr No	Name of Faculty	Day 1 <sup>st</sup> 29 <sup>th</sup> Dec	Day 2 <sup>nd</sup> 30 <sup>th</sup> Dec
17	DR. Sotish D. urbe	ρ	
24	DR. Shilpa Badhe	p	P
31	DR. Ankush Gunjal	P	-
44	DR. Varpharani Niphade	P	-
54	DR. Jiteph Thakur	ρ	~
67	DR. Kiran Mantri	-	P
74	DR. Santosh Niphade	~	p
84	DR. Bhusare Swita	-	ρ
94	DR. Anuthri G. Endait	<u></u>	ρ
10/2	DB. Vaishali P. Bhabad	-	P
411	DB. Wankhade Rajesh	~	P
124	DR. Amol Guive	~	ρ



https://docs.google.com/document/d/10wY6.IR6iP2CG1\_EN/0805vH4iTLIX4V.IDX/oat



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#### Good Clinical Practices Workshop 29th & 30th Dec 2021

#### DELEGATES ATTENDANCE

Sr No	Name of Delegates	Day 1 <sup>st</sup> 29 <sup>th</sup> Dec	Day 2 <sup>nd</sup> 30 <sup>th</sup> Dec
14	DR. P.R. Kharkak	P	P
24	DR. Mayriri S. Patil	P	P
34	DR. Bhimare Sunita P.	Р	P
44	DR. Vinaya Wagh	Р	P
5)	DR. Monali Bagde	Р	Р
67	DR. Suwarna chaudhary	Р	P
76	DB. Komal S. chavan	р	P
84	DR. Yogenh K. Shewale	ρ	P
gy	DR. Shrihab C. Pagare	P	Р
Iol	DR. Socali B. Pharate	Р	P
116	DR. Harbha Pardebhi	ρ	q
124	DR Anushki Endait	Р	ρ
134	DR chaitali Jarwale.	Р	P
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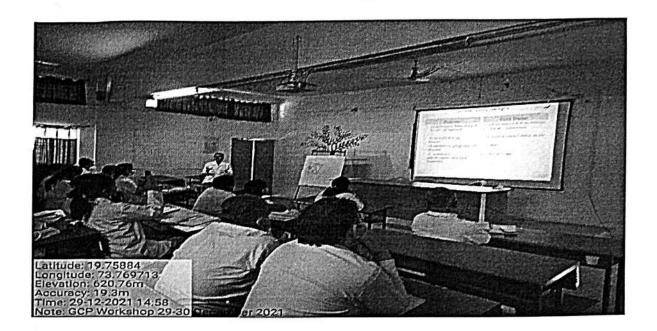
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#### Good Clinical Practices Workshop 29th & 30th Dec 2021

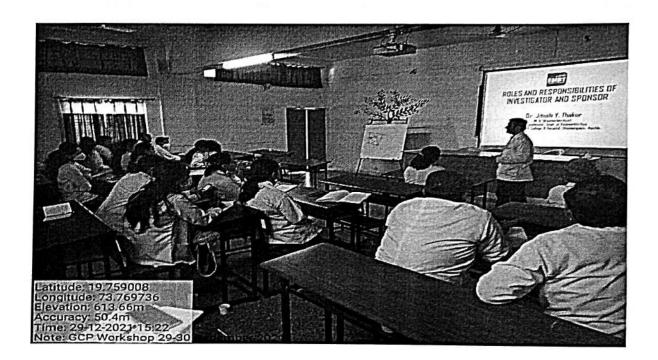
#### DELEGATES ATTENDANCE

Sr No	Name of Delegates	Day 1 <sup>st</sup> 29 <sup>th</sup> Dec	Day 2 <sup>nd</sup> 30 <sup>th</sup> Dec
144	DB. Aarti Haribhau Kunde	Ρ	ρ
157	DR. Khushhan S. Akhade	Р	Р
167	DR Priyanka chaudhari	P	P
17)	DR. Protiksha Gorakh Palve	Р	р
184	DR Ashcoini R. Kanaujiya	Р	р
194	DR. Mkunali M. Purazkar	P	P
204	DR. Suchita A Patil	р	P
214	DR. Vaishnavi B. Waje	Р	Р
204	DR. Shraddha S. Shiroath	P	Р
234	DR. Kiran Dipak Kashid	P	Р
244	DR. Komal Banjay Dange	Р	Р
251	DR Kapil Satish Mahajan	P	ρ
264	DR. Shubham V. Jane	Ρ	Р
274	DR. Darbhan Sarmalkar	Р	Р
284	DB. faisal A. Khap	P	P
294	DR. Amerita M. Pol	P	ρ
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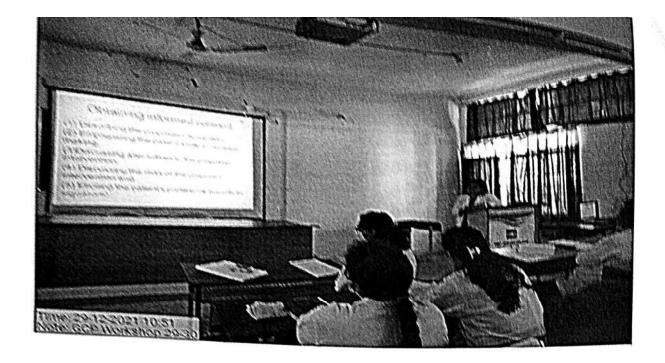


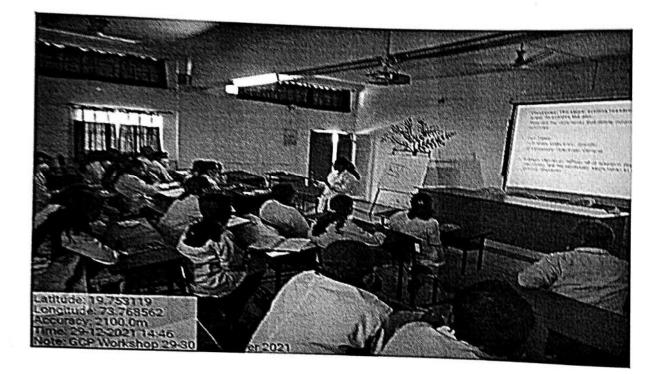


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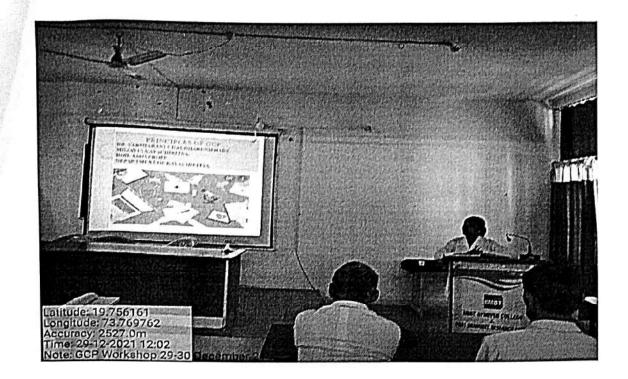








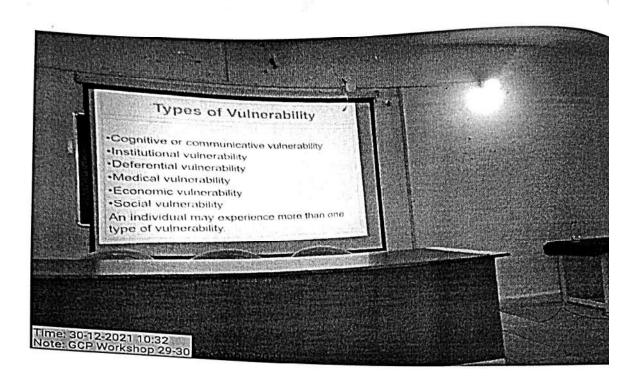


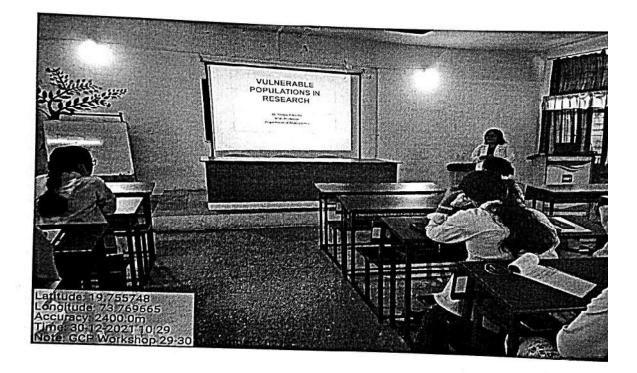


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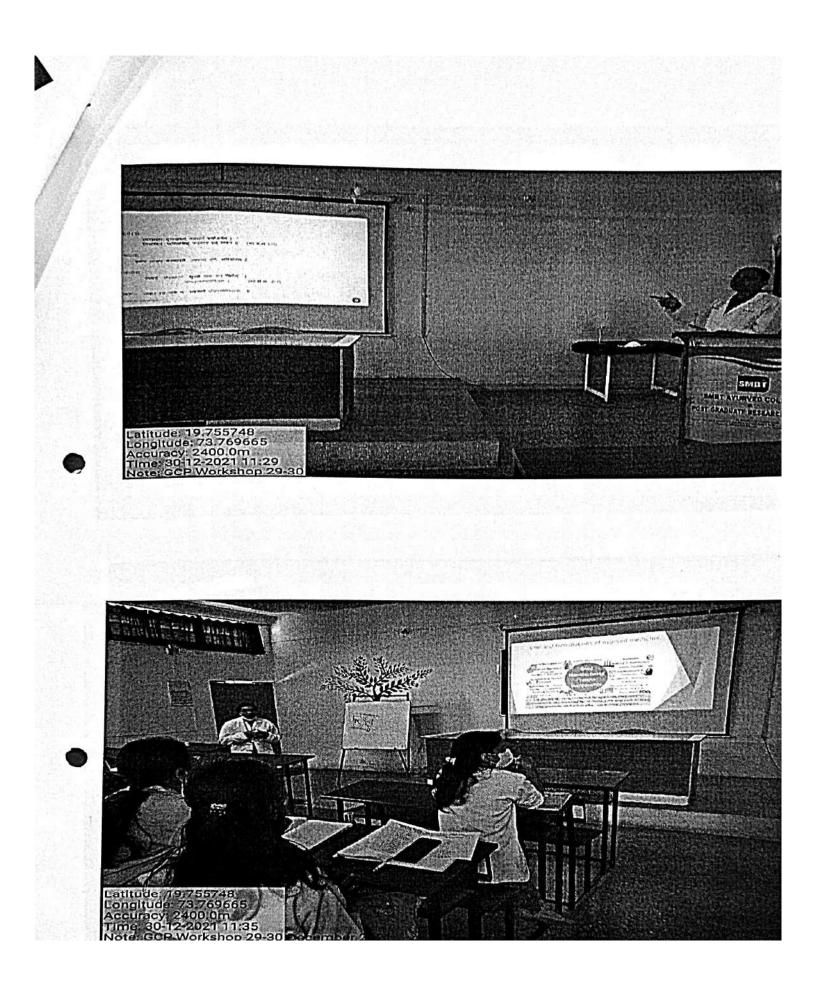


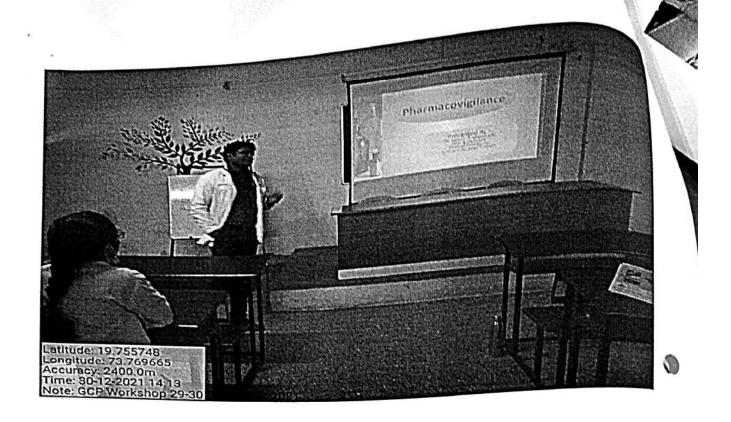


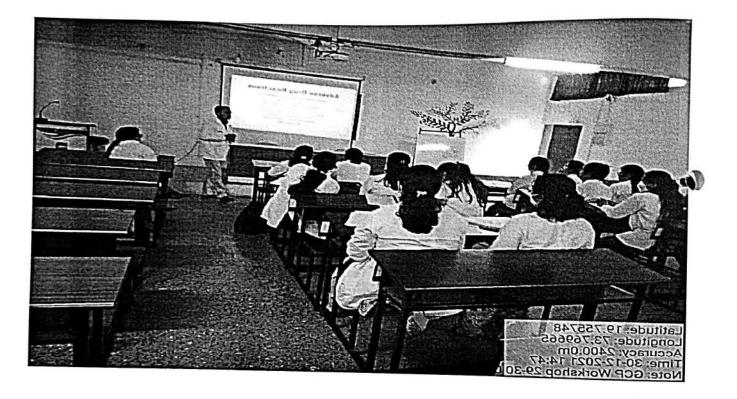




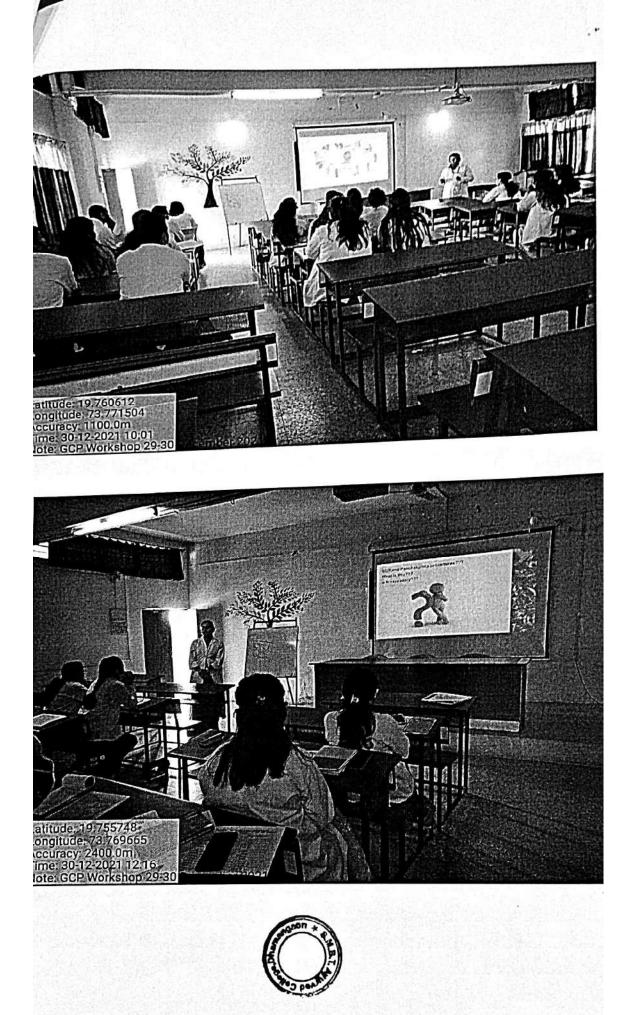


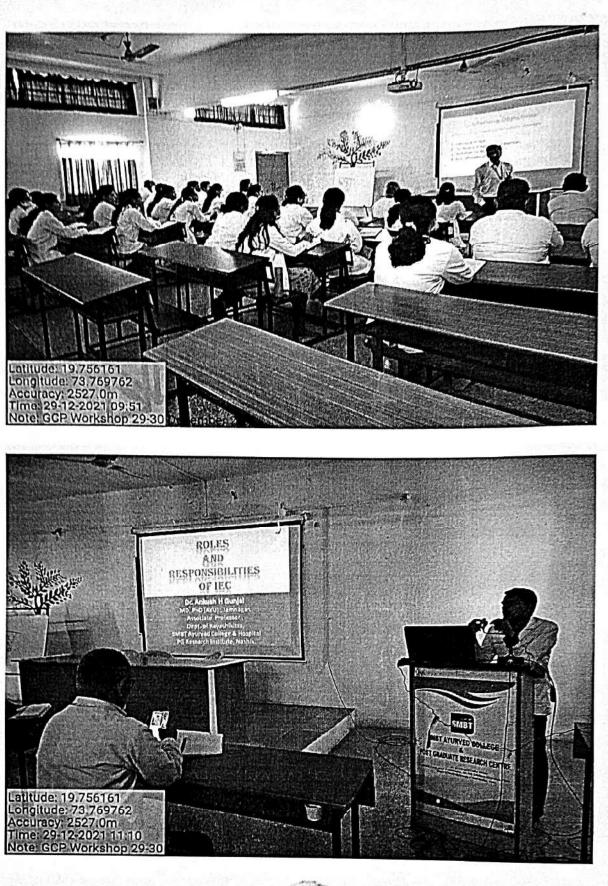
















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Date :- 31/12/2021

#### GOOD CLINICAL PRACTICES WORKSHOP 29<sup>TH</sup>& 30<sup>TH</sup> DEC.2021 WORKSHOP EVALUATION SHEET

NAME OF DELEGATES	PRE TEST	POST TEST	GRADES	REMARK /SIGN OF TRAINER
DR. P.R. Kharkar	7	Ab	-	lite
Dr. Mayuri Patil	6	12	PASS A	De
Dr. Bhusare Sunita	12	13	PASS A	Gr.
Dr. Vinaya Wagh	8	12	PASS A	Q
Dr. Monali Bagade	9	15	PASS A	Q.
Dr. Suvarna Chaudhari	9	11	PASS B	Q.
Dr. Komal Chavan	9	13	PASS A	G
Dr. Yogesh Shewale	12	12	PASS A	Qu
Dr. Shrihas Pagare	10	11	PASS B	Q.
Dr.Sonali Pharate	4	13	PASS A	1 de la
Dr. Harsha Pardeshi	10	13	PASS A	Q.
Dr. Anushri Endait	12	13	PASS A	()
Dr. Chaitali Tarwate	10	14	PASS A	C
Dr. Aarti Kunde	9	12	PASS A	J.
Dr. Khushboo Akhade	8	13	PASS A	Q.
Dr. Priyanka Chaudhari	8	10	PASS C	li



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Dr. Pratiksha Palve	9	11	PASS B	Dr.
Dr. Ashwini K	10	13	PASS A	().
Dr. Mrunali Purarkar	8	13	PASS A	Qr
DR. Vaishnavi Waje	7	14	PASS A	Q.
Dr. Shraddha Shirsath	10	12	PASS A	So
Dr. Kiran Kashid	5	11	PASS B	Q.
Dr. Komal Dange	7	11	PASS B	()
Dr. Kapil Mahajan	9	11	PASS B	Q.
Dr. Shubham Jane	9	10	PASS C	Q
Dr. Darshan Sarmalkar	10	11	PASS B	Er
Dr. Faisal K	9	11	PASS B	Q
Dr. Amruta Pol	11	Ab	-	G
DR. Suchita Patil	8	14	PASS A	Qu

Result Analysis : Pass - = > 08 marks

Grade A	>12
Grade B	>10
Grade C	8-10

Dr.Varsharani Niphade HSET CELL COORDINATOR



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Ref. No.:1313/SMBT/05/MET/03/IE-02/ 2022

Date: 27/06/2022

#### BASIC RESEARCH METHODOLOGY WORKSHOP REPORT

- In SMBT Ayurved College and Hospital, a 3 days 'BASIC RESEARCH METHODOLOGY WORKSHOP' was successfully conducted with affiliation of MUHS having reference No. MUHS/ IMETTT/86/2022 dated on 07/06/2022.
- 2. Location- SMBT Ayurved College Seminar Hall.
- 3. Date of Conduction- 22<sup>nd</sup> to 24<sup>th</sup> of June 2022. 9:00am- 5:00 pm.
- 4. Name of the Organizing Department- HSET Cell of College.
- 5. Aim of The Workshop- To give handful training of Basic Research Methodology to PG Students and Faculty members, so it can help them for their Research work in future.
- 6. Participants- PG students- From SMBT Ayurved College -18

Out Side the SMBT Ayurved College -08

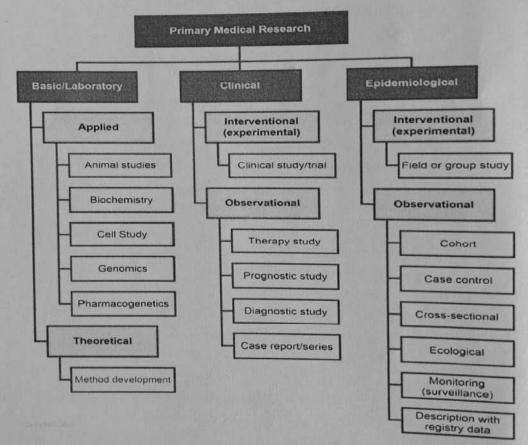
Faculty Members from SMBT Ayurved College- 04.

- 7. The workshop was started at 9:00 am with Dhanvantari Stavana and Lamp lightening ceremony by hands of respected principal Dr.Pradeep Bhabad sir. Welcome of all Participants was done by Principal Sir. Few words about the Introduction and Importance of a Workshop were delivered by workshop Coordinator Dr. Varsharani Niphade . HOD of PG departments Dr. Vijay Suryawanshi, Dr. Shilpa Badhe, DR. Pradnya Deshmukh and Dr. Jyoti Nirbhawane were also present for the inauguration of workshop. Ice-Breaking was done with the introduction of Participants to all Faculty members. It is done by Dr. Monali Bagade madam.
- Registration, Declaration and Pre Test for workshop was conducted Online through Google Forms provided on Mail ID of participants. Soft copy of these are maintained with mail rmw.smbtayu@gmail.com.
- Summary- After registration, declaration and Pre-test completion the First day sessions were started.
- 10. Introduction to Research Methodology- The lecture was delivered by Dr. Varsharani Niphade. She explained the following terms -
  - Research Methodology is defined as a highly intellectual human activity used in the investigation of Nature and Matter & deals with the manner in which data is collected, analyzed and interpreted.
  - Evolution of Research from Trial of Legumes, Scurvy trial to Randomized trial of Streptomycin in PTB.
  - III. Ayurveda terms for Research are Anusandhana, Anveshana, Gaveshana, Paryeshana and Shodh.



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- IV. "Finding out the new facts or verification of the old facts to follow the appropriate knowledge, so we can get better quality of knowledge" is the aim of research.
- Wethodology of research includes Identification of problem, collection of data, formation of Hypothesis, testing of Hypothesis, Acceptance or rejection of Hypothesis & publication of results.
- VI. F- Feasible, I- Interesting, N- Novel, E- Ethical, R- Relevant i.e. FINER criteria for research.
- VII. Qualities of researcher.
- VIII. Types of research-



- IX. Serendipity Research- Serendipity of research is occurrence of events by Chance/ Accidental 7 fortunate discovery. Biological events may occur due to chance of some triggering factors. Types of serendipity.
  - X. Importance of research in Medical field.



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- 11. Descriptive Studies- Dr. Prashant Patil delivered lecture and focused on following points-
  - I. Descriptive study is an Observational study where Observations are made on small group of patients. Inquiry type of studies like field survey are included in this type. Can be used for both qualitative and quantitative data.
  - II. Case Reporting, Case series and longitudinal studies are types of descriptive studies.
  - III. Case reporting is done in case of a rare findings related to any case. Like Aplastic anemia present with Fallots Tetralogy.
  - IV. Case Series is reporting or publication of a same findings in group of patients. These specific findings are reported in a case series format. E.g. Types of a different symptoms present in a Covid 19 cases.
  - V. Longitudinal studies are long time consuming studies, Case Control, Cross sectional and Cohort.
  - VI. Cross Sectional studies are qualitative in nature & done in rare dieses where number of cases are small. The exposure and Outcome both are measured at same time in this study. Prevalence of a Cancer in defined population can be made with this type of study. And it can be found that the Cancer of Lungs is more prevalent in Smokers.
  - VII. Advantages and disadvantages of descriptive studies.
  - VIII. Descriptive studies are Hypothesis generating studies.
- 12. Case Control and Cohort Studies- This lecture was conducted by Dr. Prashant Patil sir in continuation to above Observational studies. He explained following points-
  - I. Case Control study- The group of patients identified with the disease is then compared to individuals without disease/ healthy subjects. Purpose is to explore the health outcome difference in tow groups.
  - II. Used to find out the risk factors of a specific disease.
  - III. It is always a retrospective study where Outcome is known and causes are to be find.eg. Endopthalmitis following Ocular surgery.
  - IV. Matching criteria's and Confounding factors in these studies.
  - V. Cohort Study- Used for group of people who shared a common characteristics or experience within a defined time period. It is a prospective or Retrospective study. Thousands of subjects are observed. So Time consuming and expensive. To calculate the Incidence of Disease. E.g. how different level of exercise improve the health.
  - VI. Two by two table, Odds ratio and Relative risk.
  - VII. Advantages and disadvantages of both study types.



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- 13. Experimental Studies- The lecture was delivered by Dr. Vaibhav Phartale. He Highlighted the bellow key points-
  - I. Types of Experimental studies. Animal study, Human trails- Randomized Controlled Trial/ RCT, Field trail and Community trail.
  - II. Types of Variable Dependent, Independent, Extraneous and Confounding variable.
  - III. Study Population and Target Population.
  - IV. Inclusion and exclusion criteria, sample Size and Bias its Types- Subject, Observer and Investigators bias in RCT.
  - V. To avoid bias Masking or Blinding is done. Types of blinding- Single, Double & Triple blind study.
  - VI. Four phases of Clinical trial.
  - VII. Filed Trails- Vaccine trials.
- 14. Types of Data and Data Presentation- Dr. Kiran Shinde delivered the lecture and addresses following key features about data in research-
  - I. Data is collected from Observation Unit in research.
  - II. Internal & External sources of data.
  - III. Collection of data through; Primary sources- Direct interface with the observational unit. Can be made with questionnaires, telephonic conversation, mails etc. And secondary source of data is Published and unpublished records.
  - IV. Types of data- Qualitative & quantitative. Qualitative/ Discrete/ Frequency Continuation Data- Two types. Nominal e.g. Colors of hair; and Ordinal- Degree of illness.

Quantitative Data- Discrete and Continuous data. Discrete data is number used in Mortality, Birth rate etc. Continuous data varies both in characteristic and frequency E.g. weight of male and female patients visited in Kayachikitsa OPD on single day.

- V. Descriptive Statistics- Used for Qualitative data, Non Parametric tests like Chi square, Mann Whitney U test, Wilcoxon Sign Rank tests are used.
- VI. Types of Data Presentation- Tabular and Diagrammatic presentation is used for both Qualitative and quantitative data.
- VII. For Qualitative data presentation Tables and Graphs are used. Bar, Pie diagram, Pictogram and Map diagrams are used.
- VIII. For Quantitative data presentation Histogram, Frequency Polygon, Frequency Curve, Ogive, Cumulative Frequency graph and scatter diagrams are used.
- 15. Group Activity- At the end of first day of workshop activity related to all above topics was conducted by Dr. Vaibhav Phartale and Dr. Kiran Shinde.

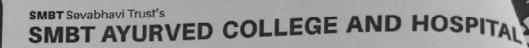


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- I. E.g. Alcohol drinking on daily Basis causes Obesity.
- Students were divided into 4 groups and Type of Study design, Dependent and Independent Variables were discussed.
- III. Each group was asked to come out with the Problem and need of that specific problem according to FINER criteria was discussed. Why this problem was selected over others was discussed.
- IV. Different types of study designs with examples was discussed among the group with its reasoning.
- 16. Second day of session was started after breakfast.
- 17. Literature Search- Day first topic was taken on second day due to lack of time on first day. Dr. Ankush Gunjal delivered the lecture and carried out the related activity just after finishing the lecture.
  - I. Necessity of Literature Search- To find the knowledge gap. We can adopt same methodology for once research through previously done work.
  - II. Academic books, Journal articles and literature available on Internet are the sources.
  - III. Traditional, Systemic, Meta-analysis and Meta synthesis are the types of literature search.
  - IV. It used to write the Introduction and conclusion of research.
  - V. Common errors are not organized search and referencing, Too few references, Focused on unnecessary information and outdated information citation.
  - VI. DHARA, AYUSH portal and Pubmed, Google Scholar are some literature search engines available on internet.
  - VII. In activity part students were instructed to search online for work done on Guduchi in Pramch w.s.r. to Diabetes Mellitus type 2.
  - VIII. Bullion words "and, or & not" are used by participants.
  - IX. Advance PubMed search with help of MESH term was conducted.
- **18. Questionnaire Designing-** The session was conducted by Dr. Parashuram Pawar sir. He focused on following points-
  - I. Questionnaire is depends on the type of study design. Usually used in Qualitative research. In RCT it can support a main document like Questionnaire to fulfill the Care Record Form.
  - II. It should be formulated with the plan of study.
  - III. Types of Questionnaire- 2 types. Open Ended- where respondent expresses fillings freely. No predefined answers in this type. Close ended – In this type researcher provides 'with option form' to participants and participants have to choose the answer from predefined answers.

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- IV. Principles of Questionnaire designing.
- V. Strength and Limitation of Questionnaire designing.
- VI. Validity and Reliability of Questionnaire.
- VII. Has discussed the Questionnaire on Opinion about the Contraception methods.
- 19. Ethical Issues in Medical Research- Dr. Parashuram Pawar sir delivered the lecture.
  - I. Definition of Ethics Committee- An ethics committee is a committee formally designed to review and approve the initiation of a clinical research study involving Human subjects and to provide continuing review of the research study.
  - II. History related to formation of In Independent Ethics Committee/IEC-Nuremberg code, Belmont report, declaration of Helsinki. The IEC is formed according to the principles of Good Clinical Practices/GCP.
  - III. Formation of IEC- 8-15 members.
  - IV. Responsibilities of IEC- To review the clinical studies in accordance with safety and wellbeing of human trial subjects before actual start of trial.
  - V. Dr.Pawar sir explained the ethical issues in medical research like- Principle of essentiality, Precaution & risk minimization, Accountability and Transparency, Vulnerable and Special group, Compensation for research related harm, remuneration for Participant, Ancillary care, Conflict of Interest, Process of Informed Consent and its Importance, Privacy and Confidentiality, Distributive Justice, Community Engagement, Post research access and Benefit sharing.
- 20. Evaluation of Diagnostic Test-As Dr. Manish Jain was busy in his departmental work, Dr. Ankush Gunjal sir delivered lecture and explained related topics-
  - I. Screening and Diagnostic tests- Screening tests are done in a group of likelihood of presence of disease and Diagnostic tests are done on Screened patients to confirm and make a final diagnosis. Eg. Mamography is a screening test for Ca. breast and Biopsy of breast is a diagnostic histopathological test for Ca. Breast.
  - II. Sensitivity of test is a probability of positive test results.
  - III. Sensitivity is the ability of a test to correctly identify those with disease i.e. True positive rate; whereas test Specificity is the ability of the test to correctly identify those without disease i.e. True negative rate.
  - IV. Combinations of various tests can be advocated for a diagnosis of disease.
  - V. Reliability of test- When results for a test are nearly same for one sample on a single instrument then the results is reliable.
  - VI. Validity of test- When results for a test on different calibrated instrument shows nearly same when compared to standard results then it's a validity of test.
- 21. Writing a Research Protocol- Dr. Varsharani Niphade delivered the lecture and she explained the components of a research protocol as per bellow-



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- I. Definition of research Protocol- A Research Protocol is a formal written record that one prepared Before research fieldwork is undertaken.
- II. It is a document that sates the background, objectives, rationale, design, methodology and statistical consideration of the study.
- III. Contents of research protocol are- Title, Introduction (Research Question & Hypothesis, Rationale of study), Aim & Objectives, Literature Review, Methodology (Research Design), Data collection, Analysis and Interpretation Methods, Ethical consideration, Study Time Frame, Reference style, Bibliography, List of Abbreviation, Budget, Annexure.
- IV. Title should be- Accurate, Specific & concise, Informative & catchy, Reflect the Hypothesis to be studied, Reflect variable, Population & study design.
- V. Introduction- Prevalence, geographical consideration, population group & causes of the disease. Findings of other studies before done- Mentioned knowledge gap. Need of research-what has been done to overcome the problem in the past and what seems to be unanswered questions about the same research.
- VI. Research question- Hypothesis to be tested. It must be formulated with the help of **PICOT** formula.
- VII. Hypothesis- A hypothesis is a statement that introduce a research question and proposes an expected Result. Null and Alternate Hypothesis are the types of Hypothesis.
- VIII. Aim is what researcher has to achieve from study and Objectives are Steps taken to fulfill the Aim. Objectives are formulated with SMART criteria.
  - IX. Study design, Population, Sampling method, sample size, data collection tools, Inclusion & Exclusion criteria, Assessment criteria's, Statistical test are considered in Methodology.
  - X. Ethical Consideration should be taken before start of study.
  - XI. Vancouver Referencing style is used in MUHS.
- XII. Bibliography- A bibliography is a list of all of the sources used (whether referenced or not) in the process of researching your work.
- XIII. Annexure- abbreviation, Budget and CV of researcher included in this part.
- 22. Inferential Statistics- Dr. Yogesh Shewale took a lecture on Inferential Statistics and enlighten following points-
  - I. Types of Statistics- Descriptive and Inferential.
  - II. Pearson's correlation and Correlation Coefficient is used in descriptive statistics.
  - III. In Inferential statistics some inference of a Research are made with the help of statistical test.



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- For qualitative Data assessment Non Parametric tests like Chi square test, Wilcoxon sign rank test- within same group, and Mann Whitney 'U' test- in IV. different groups are used.
- For quantitative data analysis parametric test like Students 't' test are used. 'Paired t test' for paired data i.e. within same group and 'Unpaired t test' for V. unpaired data like in 2 different groups.
- ANOVA test is used when more than 2 group are present. VI.
- 'Z' test is used for large sample size when data follows normal distribution.
- VII. 23. Group Activity- Group activity was conducted by Dr. Yogesh shewale and Dr.
  - Varsharani Niphade.
    - 'RCT to study the Effect of Kanchanar Guggulu in reduction of Sr. TSH level in I. the management of Hypothtyroidism' was taken for activity.
    - Groups were asked to come up with Research Question, Aim, Objectives, II. Hypothesis, Methodology, Sample size determination, Inclusion-Exclusion criteria, assessment criteria's, and Statistical tests to be applied for same example.
    - Participants took part enthusiastically & discussed the above aspects very well. III.
- 24. On last day of the workshop 24th June 2022, after breakfast sessions were started.
- 25. Sampling Methods and Sample Size- Dr. Sanjay Khedekar elaborated the different concepts regarding sample size for different studies as per follows-
  - Definition of study population and sample for research. Sample is drawn from the I. population.eg. All doctors of SMBT campus is population and doctors from SMBT Ayurveda hospital is sample.
  - Two types of sampling are Random / Probability sampling and Non Random / II. Non Probability sampling.
  - Probability sampling in which every unit in the study population has equal chance III. of being selected as a sample.
  - Non Probability sampling in which some units of population have no chance of IV. selection in a sample.
  - Simple random, Systematic, Stratified, Cluster, Multistage and Multiphase V. sampling are the types of Probability sampling.
  - Purposive, Quota, Convenience and Snowball sampling are the types of Non VI. Probability sampling.
  - Advantages and disadvantages of these sampling techniques were discussed. VII.
- 26. Group Activity- Related to sampling techniques was conducted by Dr. Sanjay Khedekar and Dr. Sachin Gwalani.
  - Groups were given different study types and asked to find the appropriate sample I. method for study.



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II. Simple random sampling, Systematic sampling are used for RCT. Purposive sampling when study population is very small. Cluster for Cohort etc.

## 27. Computer Assistance in Data Analysis Excel and EPI Info- Dr. Manish Jain delivered the lecture and gives hands on training.

I. Data definition, types of data.

- II. Measures of Central tendency.
- III. Test of significance.
- IV. Excel and EPI software training- Open file, then table of data, go to your file, choose excel sheet, then choose test finally make an analysis of test.

#### 28. Qualitative Research Methods- Dr. Abhijit Tambe delivered the lecture.

- I. Definition of qualitative research- It is a collection, analysis and interpretation of data by what people do and say. It is a subjective research.
- II. Comparison of Qualitative and Quantitative research.
- III. Characteristics of Qualitative Research Methods.
- IV. Types of Qualitative Research are Interview, Focus Group Discussion and participant Observation Techniques.
- V. Advantages and disadvantages of Qualitative Research Methods.
- VI. Triangulation to check hypothesis in Qualitative Research Methods.

## **29. Critical evaluation of Journal Article-** Dr. Sanjay Khedekar took a session and conducted related activity.

- I. Hierarchy of study design.
- II. Critical evaluation of article from UGC indexed Journal on Guduchi/ Tinospora Cordifolia.
- III. What to see about Journal- publisher, Section of the Journal, ISSN number, and peer reviewed Journal, year of publication, Issue and Volume of Journal, Page No.
- IV. What to see about article- Authors, credentials of authors, current position and past experience, area of expertise.
- V. What to see in published material- Departure from author's specialty area. Title of article indicated Research Question. Look for meaningful Aim and complete
  - Objectives. Study population, study settings. Abstract within 100-250 words,
    - catchy, not too short or long. Introduction creates rationally for current study. Logical flowing sentences. In methodology- Target population, sample frame, sampling technique used, sample size. Then material and methods like Inclusion, exclusion criteria, statistical analysis and tests used. Results should contain appropriate tables, charts and graphs. Discussion – Interpreting and explaining results obtained. It should be meaningful, highlight the important findings of



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study, enough explanation and significant thinking, logical and reasoned the results properly. At the end Limitation of study and Conflict of Interest if any. **Group activity**- was conducted with giving 2 sample articles. One is with good

VI. Group activity- was conducted with giving 2 sample and presentation. Participants were asked to find the Methodology used. Only the Authors area of expertise is different from the subject of article. Second was a not good one lacking in many areas like, Not fulfill the Objectives related to aim, inappropriate sample size, tests of Statistical analysis are incomplete etc.

All the lectures and group activities mentioned in schedule were completed with some rescheduling as per the availability of faculty.

- **30.** At the end of workshop Post-test and feedback for Program evaluation was taken. All participants passed the Post-test successfully.
- 31. Feedback forms were submitted by google form on rmw.smbtayu@gmail.com by all the participants. Feedbacks were very encouraging. 61% of the participants found speaker's knowledge was excellent. Respectively 52% & 61% participants found presentation and contain relevance excellent. 52% participant found lectures interactive and 61% participant found overall effective.
- 32. Workshop certificates will be distributed by MUHS, Nashik online.

WORKSHOP COORDINATOR

DR. VARSHARANI NIPHADE



DR. PRADEEP BHABAD. Principal S.M.B.T.Ayurved College & Hospital Nandi-Hills Dhamancaon Tal Icatouri Dist Nachib SMBT AYURVED COLLEGE AND HOSPITAL

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#### BASIC WORKSHOP IN RESEARCH METHODOLOGY 22 To 24 JUNE 2022

No.	NAME OF Faculty	22-Jun	23-Jun	24-Jun
1	Dr, Varsharani Niphade	Mun.	HUH	_
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3	Dr. Vaibhav Phartale	more.		
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Dr. Varsharani S. Niphade Research Workshop Co-ordinator SMBT Ayurved College, Dhamangaon Nashik

Dr. Pradeep R. Bhabad Principal SMBT Ayurved College & Hospital Nandi-Hills, Dhamangaon Tal. gatpun, Dist Nashik

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#### BASIC WORKSHOP IN RESEARCH METHODOLOGY 22 June 2022

ATTENDANCE SHEET

Sr.No.	NAME OF Participants	Session-1	Session-2	Session-3	Session-4	Session-5	Session-6	Session-7
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BASIC WORKSHOP IN RESEARCH METHODOLOGY

23 June 2022 ATTENDANCE SHEET

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#### BASIC WORKSHOP IN RESEARCH METHODOLOGY 24 June 2022

ATTENDANCE SHEET								
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Vda. Varsharani S. Niphade Research Workshop Co-ordinator SMBT Ayurved College, Dhamangaon Nashik



Vd.Pradeo R. Bhabad Principal Da SMBT Ayurved College, Dhamangaon Nashik S.M.B.T.Ayurved College & Hospital Nandi-Hills,Dhamangaon,Tal.Igaipuri,Dist.Nashik

Scanned with CamScanner



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# Basic Workshop in Research Methodology Programme Schedule

Venue &Organizer: SMBT Ayurved College and Hospital, Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

Number of participants: 30

#### DAY ONE - Date: 22.06.2022, Wednesday

S. N	Topic	Method	Time (Min. )	Speaker	Time
1	Registration, Breakfast and Pre -Test				09:00 am to 10:00 am
2	L-1: Introduction to Research Methodology	Lecture	45	Dr. VarsharaniNiphade	10:00 am to 10:45 am
3	L-2 : Study Designs-1: Descriptive studies	Lecture	45	Dr. Prashant Patil	10:45 am to 11:30 am
4	Теа		15		11:30 am to 11:45 am
5	L-3 : Study designs-2: Case Control and Cohort Studies	Lecture	45	Dr. Prashant Patil	11:45 am to 12:30 pm
6	L-4 : Study Designs-3: Experimental studies	Lecture	45	Dr. VaibhavPhartale	12:30 pm to 01:15 pm
7	Lunch		30		01:15 pm to 01:45 pm
8	<ul> <li>Group Activity-1: Participants will be divided into 4 -5 groups.</li> <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> <li>(Tea may be served during group activity)</li> </ul>	Group Activity	90	Dr. KiranShinde Dr. VaibhavPhartale	01:45 pm to 03:15 pm
9	L-5: Types of Data and Data Presentation	Lecture	75	Dr. KiranShinde	03:00 pm to 04:15 pm
10	L-6: Literature search	Lecture	45	Dr. AnkushGunjal	04:15 pm to 05:00 pm





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# Basic Workshop in Research Methodology Programme Schedule

Venue &Organizer: SMBT Ayurved College and Hospital, Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

Number of participants: 30

#### DAY TWO - Date: 23.06.2022, Thursday

S. N	Торіс	Topic Method (Min. Speaker		Speaker	Time
1	Breakfast & Tea				09:00 am to 09:30 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	Group Activity	45	Dr. AnkushGunjal& Dr. VarsharaniNiphade	09:30 am to 10:15 am
3	L-7: Sampling: Methods & Sample size	Lecture Demo	60	Dr. Sanjay Khedekar	10:15 am to 11:15 am
4	<ul> <li>Group Activity-3: Participants will divide into groups as in GA-1. Each group will discuss and present</li> <li>Sampling method adopted for the study / studies selected in GA-1</li> <li>Discuss and present sample size determined for the study</li> <li>Present at least 3 dummy tables generated (Tea shall be served during group activity)</li> </ul>	Group Activity	75	Dr. Sanjay Khedekar& Dr. SachinGwalani	11:15 am to 12: 30 pm
5	L-8: Inferential Statistics	Lecture	60	Dr. YogeshShewale	12:30 pm to 01:30 pm
6	Lunch		30		01:30 pm to 02:00 pm
7	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.	Group Work	45	Dr. YogeshShewale Dr. VarsharaniNiphade	02:00 pm to 02:45 pm
8	L-9: Questionnaire Designing	Lecture	60	Dr. ParshuramPawar	02:45 pm to 03:45 pm
9	Теа		15		03:45 pm to 04:00 pm
10	L-10: Writing a research protocol	Lecture	60	Dr. VarsharaniNiphade	04:00 pm to 05:00 pm



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# Basic Workshop in Research Methodology Programme Schedule

Venue &Organizer: SMBT Ayurved College and Hospital, Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

Number of participants: 30

#### DAY THREE - Date: 24.06.2022, Friday

S.N	Торіс	Method	Time (Min)	Speaker	Time
1	Breakfast & Tea				09:00 am to 09:30 am
2	L-11: Ethical Issues In Medical Research Groups will present ethical issues in their respective studies	Lecture and Group activity	75	Dr. ParshuramPawar	09:30 am to 10:45 am
3	Теа		15		10:45 am to 11:00 am
4	L-12: Evaluation of a diagnostic test	Lecture	60	Dr. Manish Jain	11:00 am to 12:00 pm
5	L-13: Critical Evaluation of Journal Article	Lecture	75	Dr. Sanjay Khedekar	12:00pm to 01:15 pm
6	Lunch		30		01:15 pm to 01:45 pm
7	GA-5: Two journal articles (different study designs) will be presented and discussed by members. (Tea shall be served during the group activity.)	Group activity	75	Dr. Sanjay Khedekar& Dr. SachinGwalani	01:45 pm to 03:00 pm
8	L-14: Qualitative research methods	Lecture	45	Dr. AbhjitTambe	03:00 pm to 03:45 pm
9	L-15: Computer assistance in Data Analysis Excel and EPI Info.	Lecture	45	Dr. Manish Jain	03:45 pm to 04:30 pm
10	Post - Test and Valedictory				04:30 pm to 05:00pm

As Per Guidelines of IMETTT we organize Approved Faculty Members on each day of program: Faculty members are as follows:

Dr. ParshuramPawar:- (Shree Saptashrungi Ayurved Mahavidyalay& Hospital, Nashik)

Dr. AbhijitTambe:- (SMBT Institute of Dental Sciences & Research, Dhamangaon, Nashik)

Dr. VaibhavPhartale :-(Shree Saptashrungi Ayurved Mahavidyalay& Hospital, Nashik)

Dr. KiranShinde :- (Shree Saptashrungi Ayurved Mahavidyalay& Hospital, Nashik)





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#### Ref.No- 1354/SMBT/05/MET/Gen-02

#### Date-18/11/2021

#### CIRCULAR

- HSET Committee of SMBT Ayurved College and Hospital is conducting a Basic Research Methodology Workshop for UG students to add knowledge regarding Research. The batches for students are as follows
- 2) A) First year batch A & B
  - B) Second year batch A & B
  - C) Third year batch A & B
- Schedule Date 28/11/2021 for Batch 'A'- First, Second & Third year students. 05/12/2021 for Batch 'B'- First, Second & Third year students.

Venue - Year wise respective classrooms

4) Please note Brochure, Schedule and Batches displayed on Notice Board.

SMBT Ayurved College & Hospital Principal SM.B.T.Ayurved College & Hospital Nandi-Hills,Dhamangaon,Tallgatpuri,Dist.Mashit.





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#### Ref.No- 1313/SMBT/05/MET/03/IE 2A

Date- 30/11/2021

### BASIC RESEARCH METHODOLOGY WORKSHOP REPORT

- 1. SMBT Ayurved College and Hospital has organized a 'BASIC RESEARCH METHODOLOGY WORKSHOP' for First year students.
- 2. Location- First Year Classroom.
- 3. Date and Time of Conduction- 28/11/2021 ; 8:00 5:00 pm.
- 4. Name of the Organizing Department- HSET Cell of College.
- 5. Aim of The Workshop- To give basic knowledge about the Research and train UG students as per, so that they can conduct evidence based research in the field of Ayurveda from the very start of their UG course.
- 6. Participants- Batch 'A' students- 30
- 7. Completed Workshop- Out of 30 students, 29 students completed workshop successfully.
- 8. The workshop was started at 8:00 am with Dhanvantari Stavana and Lamp lightening ceremony by hands of workshop coordinator Dr. Varsharani Nipahde madam. Madam enlighten the Aim, Need and Importance of Research Methodology in today's era. Introduction of all participants and Faculty members was done by Dr. Ankush Gunjal sir.
- 9. Summary- The first lecture was started at 8:15 am.
- 10. "Introduction to Research Methodology"- Dr. Varshrani Niphade delivered the lecture.
  - I. Definition of Research, Evolution of Medical Research, Ayurveda terms for research like Anusandhana, Anveshana, Gaveshana, Paryeshana, Shodha etc. were explained by her. RESEARCH can be comprised in to
- R-Rethinking
- E- Experimental method
- S- Survey
- E-Evaluation
- A- Age, Altitude, Aptitude
- R- Recognition
- C- Current affairs
- H- Head, Heart, Hand & Health.



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- II. "Research Methodology- It is defined as a highly intellectual human activity used in the investigation of Nature and Matter & deals with the manner in which data is collected, analyzed and interpreted". Aim of research is finding out the new facts or verification of the old facts to follow the appropriate knowledge, so we can get better quality of knowledge.
- III. Characteristic of good research are as follows-
  - F- Feasible.
  - I- Interesting
  - N-Novel
  - E-Ethical
  - R- Relevant ...... Called as 'FINER' criteria for research.
- IV. Qualities of good researcher and the resources needed were explained by her.
- 11. "Types of Research"- Dr. Prashant Patil conducted this session. Two type researches are-
  - I. Perspective:- Cause to effect Retrospective:- Effect to Cause.
  - II. Observational:- Observations are made on small number group of patients.

Interventional:- Some interventions are made and outcome is monitored.

III. Descriptive:- Various types of survey, inquiry are included. Analytical:- Researcher use information which is already available and analyze

these to make a critical evaluation.

- IV. Pre-clinical:- Drug trial and animal studies. Clinical:- Interventional and experimental studies. Human subjects are involved.
- V. Qualitative:- Used for qualitative data like health, quality of life. Quantitative:- Used for measurable data.
- VI. Clinical:- Observational are Case report and case series where Interventional are Clinical trials.

Epidemiological- Observational are Cohort, Cross sectional, Case control studies. Interventional are Field surveys.

VII. Choosing a right type of study is the soul of Research.



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- 12. "Literature Search"- The lecture was taken by Dr. Shilpa Badhe. She delivered lecute with the help of actual demonstration of literature search in Aayurveda text books and on Internet.
  - I. Academic text books, Journal articles and literature available on Internet are the sources.
  - II. Traditional, Systemic, Meta-analysis and Meta synthesis are the types of literature search.
  - III. DHARA, AYUSH portal and Pubmed, Google Scholar are some literature search engines available on internet.
  - IV. "And, Or and Not" are Bulleaon words used in online literature search.
  - V. Literature search helps researcher to find the knowledge gap and can adopt same methodology from previous researches for a new one.
- 13. "Qualitative Research"- Dr. Suwarna Chaudhari conducted a lecture .
  - I. It is a collection, analysis and interpretation of data by what people do and say. It is a subjective research.
  - II. Types of Qualitative Research are Interview, Focus Group Discussion and participant Observation Techniques.
  - III. Characteristics and the difference between Qualitative and Quantitative research, advantages and disadvantages of Qualitative research was explained very well by her.
- 14. "Questionnaire Designing"- Dr. Ankush Gunjal took a session on designing a medical questionnaire for research.
  - IV. Questionnaire is depends on the type of study design.
    - I. There are 2 types of Questionnaire- Open Ended- where respondent expresses fillings freely. No predefined answers in this type. Close ended In this type researcher provides 'with option form' to participants and participants have to choose the answer from predefined answers.
  - II. Principles of Questionnaire designing, Strength and Limitation of Questionnaire designing, Validity and Reliability was discussed in the lecture.
- 15. At last the Gurop Activity was conducted by Dr.Suwarna Chaudhari.
  - I. Students were divided in to three groups. Groups were motivated to search a literature research topic on 'Dincharya' in text books and on internet.
  - II. Students made search about the Dincharya according to Ayurveda in Charak, Vagbhata and Sushtura Samhitas. They used Pubmed, Google Scholar engine for literature search. All groups developed a questionnaire related to 'Dincharya &



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Life style' of a Person in general. Students enjoyed the activity and developed their own questionnaire.

16. In the end of workshop, vote of thanks was provided by Dr. Suwarna Chaudhari. Dr. Badhe madam appreciated the efforts taken by faculty members for students. Students noted positive response about the workshop.

Workshop Coordinator

Dr. Varsharani Niphade

Jutech Principal

Dr. Pradeep Bhabad. Principal S.M.B.T.Ayurved College & Hospital Nandi-Hills, Dhamangaon, Tal.Jgatpuri, Dist. Nashik





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# Basic Workshop in Research Methodology Programme Schedule SMBT Ayurved College and Hospital,

Venue &Organizer:

Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

#### Date: 28/11/2021

1<sup>st</sup> year BAMS (Batch A)

Year 2021-22

S,N	Topic	Method	Time (Min.)	Speaker	Time
1	Inauguration		15		08:00 am to 08:15 am
2	L-1: Introduction to Research Methodology	Lecture	60	Dr. Varsharani Niphade	08:15 am to 09:15 am
3	L-2 : Types of research	Lecture	60	Dr. Prashant Patil	09:15 am to 10:15 am
4	L-3: Literature search	Lecture	90	Dr. Badhe Shilpa	10:15 pm to 11:45 am
5	L-4: Qualitative Research	Lecture	90	Dr. Suvarna Chaudhari	11:45 am to 01:15 pm
6	Lunch		45		01:15 pm to 02:00 pm
7	L-4: Questionnaire	Lecture	90	Dr. Gunjal Ankush	02:00 pm to 03:30 pm
8	GA-1: Group Activity	Group Activity	90	Dr. Suwarna Chuadhari	03:30 pm to 05:00 pm

**Details of Faculties:** 

Sr. No.	Name of Faculty	Designation	Department	College
01	Dr. Varsharani Niphade	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
02	Dr. Prashant Patil	Asso. Professor	Prasutitantra evam Strirog	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
03	Dr. Ankush Gunjal	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
04	Dr. Shilpa Badhe	Professor	Shalyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
05	Dr. Suwarna Chaudhari	Asst. Professor	Shalakya- tantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik



	Attendance for Research Met			shop Fi	rst Yea	r	
Sr No	Batch-A-(2 Name Of Student			LACEPTON	Rettian	Assion	Servier
1	BERAD TEJASVI NARAYAN		<u>ميت</u> 2	P	4	<u> </u>	6
2	BHOYE PARASHAR KAILAS		۲ 9	P P	<u>P</u>	P	P
3	BODKE ABHISHEK MANGALDAS	r		· · · ·	P	<u> </u>	P
4		P	<u> </u>	<u>P</u>	ρ	P_P_	P
5	CHATE DNYANESHWARI BALASAHEB CHATE GANESH PRITHVIRAJ	P	<u> </u>	<u> </u>	P	P	P
6		<u> </u>	<u>P</u>	ρ	<u>P</u>	<u>P</u>	p
7		<u> </u>	P	P	<u>P</u>	P	P
ر 8	CHAVAN ROHIT SUDHIR	A	<u> </u>	P	P	P	р
·····	DARAK SAMIKSHA SANJAY	P	P	<u>P</u>	P	P	P
9	DARANDALE SHREYAS ANIL	<u>P</u>	P	<u> </u>	ρ	9	P
	GHULE AISHWARYA RAMESH	p	P	P	p	P	ρ
	GHULE OMKAR ARJUN	P	ſ	<u> </u>	р	P	P
	JADHAV RIYA DIPAK	P	P	l r	р	P	P
	JADHAV VEDANT KAILAS	P	p	ρ	ρ	P	P
14	JONDHALE KIRAN ISHWARRAO	<u> </u>	P	P	P	Р	2
	KADAM SWAPNIL SHIVAJI	р	P	P	p	р	р
· ··	KAPASE PRASHANT KAILAS	P	P	۴	Р	р	р
17	KAWALE AWANTIKA BHARAT	ρ	ρ	ρ	ρ	р	р
18	KENDRE AKSHAY VENKAT	p	Þ	Ŷ	ρ	p	р
19	KHADKE KHILESH SANJIV	ρ	p	p	p	P	р
20	KHAIRNAR YASHODIP RAMESH	ρ	ρ	ρ	ρ	Р	p
21	KHANDARE SANDESH MANIKRAO	р	ρ	ρ	ρ	p	P
22	KHARAT KRISHNA DATTA	P	ρ	ρ	P	P	p
23	KHEMNAR NIKITA THAKAJI	ρ	ρ	ρ	p	ρ	Ð
24	KHODWE KALYANI KISHOR	Ρ	ρ	p	ρ	P	P
25	KOR YASH VIJAY	ρ	р	Ŷ	р	ρ	p
26	KOTE HARSHADA DADASAHEB	P	P	р	ρ	ρ	P
27	LAKADE MONIKA KISAN	Þ	р	p	P	P	p
28	LANDGE KAPIL BHARAT	P	p	p	f	₽	P
29	MAHALE SWAPNIL SHARAD	P	P	ρ	P	ρ	ρ
30	MALPATHAK VISHWAJA MANOJ	q q	p	P	p	P	P



ψ HOD PROFESSOR Course Coordinator : SMBT Ayurved College & Hospital Ditamangeon, Tallgatpun Dist Ina, bit.

SMBT Sevabhavi Trust's

# SMBT AYURVED COLLEGE AND HOSPITAL

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Ref.No- 1313/SMBT/05/MET/03/IE/2A

Date- 30/11/2021

# BASIC RESEARCH METHODOLOGY WORKSHOP REPORT

- 1. SMBT Ayurved College and Hospital has organized a 'BASIC RESEARCH METHODOLOGY WORKSHOP' for Second year students .
- 2. Location- Second Year Classroom.
- 3. Date and Time of Conduction- 28/11/2021, 8:00-5:00 pm.
- 4. Name of the Organizing Department- HSET Cell of College.
- 5. Aim of The Workshop- To give basic knowledge about the Research and train UG students as per, so that they can conduct evidence based research in the field of Ayurveda from the very start of their UG course.
- 6. Participants- Batch 'A' students- 30
- 7. Completed Workshop- All 30 students completed workshop successfully.
- 8. The workshop was started at 8:00 am with Dhanvantari Stavana and Lamp lightening ceremony by hands of workshop coordinator Dr. Varsharani Niphade madam. Madam enlighten the Aim, Need and Importance of Research Methodology in today's era.
- Introduction of all participants and Faculty members was done by Dr.Prashant Patil sir. 9. Summary- The first lecture was started at 8:15 am.
- 10. "Descriptive Studies"- The every first lecture of workshop was conducted by Dr.Prashant Patil . He enlightens the following points.
  - Descriptive study is a Observational study where Observations are made on small I. group of patients.
  - Inquiry type of studies like field survey are included in this type. Can be used for П. both qualitative and quantitative data.
  - III. Case Reporting, Case series and longitudinal studies are types of descriptive studies. Case reporting is done in case of rare findings related to any case. Case Series is reporting or publication of same findings in group of patients.
  - IV. Longitudinal studies are long time consuming studies, Case Control, Cross sectional and Cohort.
  - Descriptive studies are Hypothesis generating studies. V.
- 11. "Ethical Issues in Medical Research"- Dr. Varsharani Niphade highlighted the ethical issues in Medical research as follows-
  - I. Definition of Ethics Committee- An ethics committee is a committee formally designed to review and approve the initiation of a clinical research study involving Human subjects and to provide continuing review of the research study.
  - Formation of IEC- 7-15 members as per ICMR guidelines. II.



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- III. Responsibilities if IEC was explained.
- IV. She explained the ethical issues in medical research like- Principle of essentiality, Precaution & risk minimization, Accountability and Transparency, Vulnerable and Special group, Compensation for research related harm, remuneration for Participant, Ancillary care, Conflict of Interest, Process of Informed Consent and its Importance, Privacy and Confidentiality, Distributive Justice, Community Engagement, Post research access and Benefit sharing.
- 12. "Evaluation of Diagnostic Tests"- Dr. Gunjal sir taken this session on diagnostic tests.
  - I. Screening and Diagnostic tests are two different modalities to reach up to the final diagnosis of any disease.
  - II. Screening tests are done in a group of likelihood of presence of disease and Diagnostic tests are done on Screened patients to confirm and make a final diagnosis. Sensitivity is the ability of a test to correctly identify those with disease i.e. True positive rate. Combinations of various tests can be advocated for a diagnosis of disease.
  - III. Reliability of test- When results for a test are nearly same for one sample on a single instrument then the results is reliable.
  - IV. Validity of test- When results for a test on different calibrated instrument shows nearly same when compared to standard results then it's a validity of test.
- 13. "Critical Evaluation of Journal-Article"- Dr.Badhe madam conducted a session with demonstration of Article in UGC approved Journal.
  - I. Critical evaluation of article from UGC indexed Journal on 'Application of Ksharakarma in Arsha' in was taken for consideration.
  - II. What to see about Journal- publisher, Section of the Journal, ISSN number, peer reviewed Journal, year of publication, Issue and Volume of Journal, Page No.
  - III. What to see about article- Authors, credentials of authors, current position and past experience, area of expertise.
  - IV. What to see in published material- Departure from author's specialty area. Title of article indicated Research Question. Look for meaningful Aim and complete Objectives. Study population, study settings. Abstract within 100-250 words, catchy, not too short or long. Introduction creates rationally for current study. Logical flowing sentences. In methodology- Target population, sample frame, sampling technique used, sample size. Then material and methods like Inclusion, exclusion criteria, statistical analysis and tests used. Results should contain appropriate tables, charts and graphs. Discussion Interpreting and explaining



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results obtained. It should be meaningful, highlight the important findings of study, enough explanation and significant thinking, logical and reasoned the results properly. At the end Limitation of study and Conflict of Interest if any.

- 14. "Types of Data and Data presentation"- Dr. Varsharani Niphade delivered lecture. She focused on following points-
  - I. Data is collected from Observation Unit i.e. Human subject in clinical Research.
  - II. Collection of data through; Primary sources- Direct interface with the observational unit.
  - III. Types of data- Qualitative & Quantitative. Qualitative/ Discrete/ Frequency Continuation Data- Two types. Nominal eg. Colors of hair; and Ordinal- Degree of illness. Quantitative Data- Discrete and Continuous data. Discrete data is number used in Mortality, Birth rate etc. Continuous data varies both in characteristic and frequency.
  - IV. Types of Data Presentation- Tabular and Diagrammatic presentation is used for both Qualitative and Quantitative data.
- 15. At the end of the workshop, "Group Activity" was taken over the topics covered in theoretical lectures. Dr. Varsharani Niphade conducted this activity.
  - I. Students were divided in different groups.
  - II. Two article related to "Agnikarma in Acute pain Management" were given for the critical evaluation and students were asked to find the Good and substandard points from these article.
  - III. Also group activity related to data presentation was taken. Colour of hairs, Degree of illness, discharge from wound, temperature, Weight of patient, BMI, BP, Blood Sugar Level, was taken for consideration and students identified the type of data and presented in a Tabular and Graphical forms.
- 16. At end of the workshop vote of thanks was offered by Dr. Varshrani Niphade. Students took part in a workshop very enthusiastically and noted positive response.
- 17. Dr. Shilpa Badhe madam addresses the students and appreciated their efforts.

Workshop Coordinator

Dr. Varsharani Niphade

Principal

Dr. Pradeep Bhabad.

S.M.B.T.Ayurved College & Hospital



Nandihilis, Dhamangaon-Ghoti, Tal. Igatpuri, Nashik-422403 Ph. (02553) 282341 Email : principal ayurved@smbi.edu.in smbtayurved@gmail.com j www.smbt.edu.in

# Basic Workshop in Research Methodology Programme Schedule SMBT Ayurved College and Hospital,

Venue &Organizer:

Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

Date: 28/11/2021

2<sup>nd</sup> year BAMS (A Batch)

Year 2021-22

Ş.N	Topic	Method	Time (Min.)	Speaker	Time
1	Inauguration		15		08:00 am to 08:15 am
2	L-1: Descriptive studies	Lecture	90	Dr. Prashant Patil	08:15 am to 09:45 am
3	L-2 : Ethical issues in medical research	Lecture	60	Dr. Varsharani Niphade	09:45 am to 10:45 am
4	L-3: Evaluation of diagnostic test	Lecture	60	Dr. Gunjal Ankush	10:45 pm to 11:45 am
5	L-4: Critical evaluation of journal and articles	Lecture	90	Dr. Badhe Shilpa	11:45 am to 01:15 pm
6	Lunch		45		01:15 pm to 02:00 pm
7	L-5: Types of data and data presentation	Lecture	90	Dr. Varsharani Niphade	02:00 pm to 03:30 pm
8	GA-1: Group Activity	Group Activity	90	Dr. Varsharani Niphade	03:30 pm to 05:00 pm

**Details of Faculties:** 

Sr. No.	Name of Faculty	Designation	Department	College
01	Dr. Varsharani Niphade	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
02	Dr. Prashant Patil	Asso. Professor	Prasutitantra evam Strirog	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
03	Dr. Ankush Gunjal	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
04	Dr. Shilpa Badhe	Professor	Shalyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik



	Attendance for Research Meth	- /		op Sec	ond Ye	ar	
	Batch-A-(2	8-11-2021	.) Malin	11 cur	nerici	ussion	KEARLEM
Sr No	Name Of Student	1	2	2 P	61	<u>δ</u>	6
1		P	p	ļ /	P	0	<u> </u>
2	AHIRRAO PRATIK GANESH	<u> </u>	<u> </u>	P	- 0	P	P
3	BAIGIRE PAVANKUMAR RAMRAO	<u>Р</u>	<u>P</u>	P	L		<u> </u>
4	BHOSALE RUSHIKES ASHOK	ρ	<u> </u>	P.	P	<u></u>	<u>P</u>
5	BORUDE VASUDHA SANDEEP	P	ρ	<u>P</u>	p	P	ρ
6	CHAUDHARI PRATIK RAJENDRA	P	P	1	P.	P	Р
7	CHAUDHARI VEDANTI VINOD	P	P	P	P	P	P
ŝ	CHAVAN AKASH DADARAO	P	P	P	P	P	Р
9	CHOUDHARY GUNIAN VISHWANATH	P	P	P	P	P	P
10	DEORE ADITI SHASHIKANT	P	P	P	P	P	P
11	GAIKAR SANJANA KAILAS	P	P	P	ρ	P	ρ
12	GAIKWAD YOGESH JAGDISH	ρ	P	P	9	p	P
13	GANGURDE TUSHAR CHANDU	p	P	P	ρ	P	P
14	GHORPADE AJINKYA RAJENDRA	p	P	P	P	P	ρ
15	GIRI ABHISHEK BAIRANG	P	P	P	P	P	р
16	GOSAVI PRAGATI ANILGIR	p	P	P	P	р	ρ
17	HINGE VAIBHAV VIJAY	ρ	P	P	ρ	P	P
18	INGLE SANIYA DILIP	Þ	P	P	P	P	р
19	JADHAV MANASI DILIP	P	ρ	P	P	P	Р
20	JAGE TANVI PRASHANT	ρ	р	P	P.	р	P
21	KADAM ANKUSH TULSHIRAM	P	p	P	P	P	p
22	KAJALE SHRUTI SAGAR	р	P	P	ρ	p	P
23	KAKDE PRAGATI DNYANESHWAR	ρ	P	P	2	p	P
24	KAKDE VIKAS RAMDAS	P	P	Γp	P	P	P
25	KALE MEGHA TUKARAM	P	ρ	P	P	P	P
26	KHADE VIDYA RAJENDRA	P	ρ	P	ρ	1 p	P
27	KHATATE SHUBHAM DATTATRAY	ρ	P	P	P	P	P
28	KHUTANBUJE MOHAMMADJUNED	ρ	ΓP	P	ρ	p	p
29	KORE VAISHNAVI SURESH	P	p	P	ρ	P	P
30	LANDE SHUBHANGI BALASAHEB	ρ	P	P	P	ρ	P



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#### Ref.No- 1313/SMBT/05/MET/03/IE-2A

Date- 30/11/2021

# BASIC RESEARCH METHODOLOGY WORKSHOP REPORT

- 1. SMBT Ayurved College and Hospital has organized a 'BASIC RESEARCH METHODOLOGY WORKSHOP' for Third year students.
- 2. Location- Third year classroom.
- 3. Date of Conduction- 28/11/2021, 8:00- 5:00 pm.
- 4. Name of the Organizing Department- HSET Cell of College.
- 5. Aim of The Workshop- To give basic knowledge about the Research and train UG students as per, so that they can conduct evidence based research in the field of Ayurveda from the very start of their UG course.
- 6. Participants- Batch 'A' students- 30
- 7. Completed Workshop- Out of 30 students, 29 completed workshop successfully.
- 8. The workshop was started at 8:00 am with Dhanvantari Stavana and Lamp lightening ceremony by hands of workshop coordinator Dr. Varsharani Niphade madam. Madam enlighten the Aim, Need and Importance of Research Methodology in today's era. Introduction of all participants and Faculty members was done by Dr. Suwarna Chaudhri madam.
- 9. Summary- The first lecture was started at 8:10 am.
- 10. "Experimental Studies"- Dr. Suwarna Chaudhari delivered the lecture. She highlighted following points-
  - I. Types of Experimental studies are- Animal study, Human trials- Randomized Controlled Trial/ RCT, Field trial and Community trial.
  - II. Difference between study population and target population.
  - III. Types of variable like Dependent and Independent Variables. Importance of
  - Matching, Bias in matching and matching criteria's. To avoid bias Masking or Blinding is done.
  - IV. Types of blinding- Single, Double & Triple blind study. Four phases of Clinical research are also well explained by her.
- 11. "Sampling Methods and Sample Size"- Dr. Shilpa Badhe condected a session of Sampling and taught following related concepts-
  - Size and method of sample for any research work is dependent on the type of a study. Sample is drawn from the target population.
  - II. Two types of sampling are Random / Probability sampling and Non Random / Non Probability sampling.



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- III. Probability sampling in which every unit in the study population has equal chance of being selected as a sample.
- IV. Non Probability sampling in which some units of population have no chance of selection in a sample.
- V. Simple random, Systematic, Stratified, Cluster, Multistage and Multiphase sampling are the types of Probability sampling. Purposive, Quota, Convenience and Snowball sampling are the types of Non Probability sampling.
- VI. Dr.Badhe madam elaborated the concept of determination of sample size for different research types.
- 12. "Inferential Statistics"-Dr. Prashant patil delivered lecture and elaborated following concepts-
  - I. Descriptive and Inferential are types of statistics. In Inferential statistics some inference of a Research are made with the help of statistical test.
  - II. For qualitative Data assessment Non Parametric tests like Chi square test, Wilcoxon sign rank test- within same group, and Mann whitney 'U' test- in different groups are used.
  - III. For quantitative data analysis Parametric test like Students 't' test are used. 'Paired t test' for paired data i.e. within same group and 'Unpaired t test' for unpaired data like in 2 different groups.
  - IV. ANOVA test is used when more than 2 group are present. 'Z' test is used for large sample size when data follows normal distribution.
- 13. "Writing Research protocol"- Protocol writing and its precept was taught by Dr.

### Varsharani Niphade.

- A Research Protocol is a formal written record that one prepared Before research fieldwork is undertaken.
- Research protocol is a document that sates the background, objectives, rationale, design, methodology and statistical consideration of the study.
- III. Contents of research protocol are- Title, Introduction (Research Question & Hypothesis, Rationale of study), Aim & Objectives, Literature Review, Methodology (Research Design), Data collection, Analysis and Interpretation Methods, Ethical consideration, Study Time Frame, Reference style, Bibliography, List of Abbreviation, Budget, Annexure are the contents of research protocol.
- 14. "Computer Assistance in Data Analysis- Excel"- Dr. Suwarna Chudhari conducted this session.



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- I. Analysis of observed and collected data is the important step in research. It needs computer assistance.
- Definition of Data in research, types of data, Measures of Central tendency and Test of significance was explained by her with the help of a computer.
- III. Use of Excel software for data entry and simple analysis was demonstrated by Suwarna madam.
- 15. The "Group activity" was conducted by Dr.Shilpa Badhe madam for the topics covered in workshop.
  - Groups were given different study types and asked to find the appropriate sample method for study. Simple random sampling, Systematic sampling are used for RCT. Purposive sampling when study population is very small. Cluster for Cohort etc.
  - II. Then with the help of a Sample size determination formula, groups were come with their appropriate sample size depending upon type of study. Groups were advised to make a Research protocol with its appropriate content for chosen study type.
  - III. Hands on training of use of Excel software was conducted with its demonstration like- Open file, then table of data, go to your file, choose excel sheet, then choose test finally make an analysis of test.
  - 16. At end of the workshop vote of thanks was offered by Dr. Shilpa Badhe madam.
  - 10. At end of the workshop voic of dialine the estimate and noted positive response, that 17. Students took part in a workshop very enthusiastically and noted positive response, that
  - 17. Students took part in a workshop very entrustation of a Research in medical field in this workshop will definitely help them for conducting a Research in medical field in their student life and also onwards.
  - 18. The workshop was concluded at 5:15 pm with National Anthem.

Workshop Coordinator

Dr. Varsharani Niphade

Principal

Dr. Pradeep Bhabad. Principal S.M.B.T.Ayurved College & Hospital Nandi-Hills, Dhamangaon, Tal Igatouri, DistNeshik.





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# Basic Workshop in Research Methodology Programme Schedule

Venue & Organizer:

SMBT Ayurved College and Hospital,

Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

Date: 28/11/2021

3<sup>rd</sup> year BAMS (A Batch)

Year 2021-22

5.N	Торіс	Method	Time (Min.)	Speaker	Time
1	Inauguration		15		08:00 am to 08:15 am
2	L-1: Experimental studies	Lecture	60	Dr. Suwarna Chaudhari	08:15 am to 09:15 am
3	L-2 : Sampling method and sample size	Lecture	90	Dr. Shipla Badhe	09:15 am to 10:45 am
4	L-3: Inferential statistics	Lecture	60	Dr. Prashant Patil	10:45 pm to 11:45 am
5	L-4: Writing research protocol	Lecture	90	Dr. Varsharani Niphade	11:45 am to 01:15 pm
6	Lunch		45		01:15 pm to 02:00 pm
7	L-5: Computer assistance in data analysis Excel	Lecture Demo	90	Dr. Shilpa Badhe	02:00 pm to 03:30 pm
8	GA-1: Group Activity	Group Activity	90	Dr. Shilpa Badhe	03:30 pm to 05:00 pm

**Details of Facultles:** 

Sr. No.	Name of Faculty	Designation	Department	College
01	Dr. Varsharani Niphade	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
02	Dr. Prashant Patil	Asso. Professor	Prasutitantra evam Strirog	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
03	Dr. Ankush Gunjal	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
04	Dr. Shilpa Badhe	Professor	Shalyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
05	Dr. Suwarna Chaudhari	Asst. Professor	Shalakya- tantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik



Attendance for Research Methodology Workshop Third Year Batch-A-(28-11-2021)							
Sr No	Name Of Student	seguer	1 Server	Service	service	yuo	reaction
1	ADHIKARI NIVEDITA VASANT	P	P	p	ρ	p	ρ
2	ANBHULE AKSHAY VILAS	P	p	p	ρ	ρ	ρ
3	AROTE AISHWARYA RAMDAS	ρ	ø	P	ρ	p	ι ρ
4	BAIS ANKITA ANANTRAO	Ρ	İρ	ρ	Ø	P	ρ
5	BANGAR PRANALI SURESH	p	p	p	2	ρ	ρ
6	BARI NIKHIL KISHOR	P	Γ P	p	p l	p	ρ
7	BHANUSHALI MRUNALI SANDIP	P	P	P	0	P	Ŷ
8	BHARAMBE PRASAD RAIESH	p	T p	ρ	ρ	ρ	ρ
9	BHARDWAJ GAYATARY SANDEEP	ρ	P	ρ	ρ	p	ρ
10	BHOIR ANKITA RAVINDRA	P	p	\$	p	ρ	P
11	BIDVI SWARAJ MAHENDRA	p	P	p	ρ	0	P
12	BIRAJDAR DHIRAJ DILIP	ρ	ρ	p	p	ρ	P
13	BISWAS GAURAVKUMAR GANESHKUMAR	P	ρ	ρ	p	ρ	P
14	BORSE SAGAR DILIP	Á	p	P	Þ	ρ	p
15	CHAUDHARI PRACHI SANDIP	P	P	ρ	Ŷ	ρ	ρ
16	CHAUDHARY SANGEETA SAVALARAM	ρ	p	P	P	P	φ.
17	CHITTE KOMAL JAYWANT	ρ	P	ρ	ρ	p	ρ
18	DALVI RUSHIKESH PRASHANT	ρ	p	ρ	ρ	p	P
19	DEORE BHAVESH PRAKASH	ρ	P	p	ρ	p	P
20	DHANGAR PRIYANKA MOTIRAM	ρ	p	ρ	ρ	p	ρ
<b>2</b> 1	GANGWAL HARSHITA RAJENDRA	P	P	p	ρ	ρ	p
22	HEGADKAR NIRANJAN SANJAY	ρ	P	2	P	Þ	p
23	IADHAO PALLAVI MADHUKAR	ρ	P	ρ	ρ	p	ρ
24	JADHAV NAMRATA JYOTILAL	p	þ	ρ	p	p	P
25	KAPSE GEETA BHAGWAN	Γ p	ρ	P	ρ	p	p
26	KEDAR VAIBHAV SUBHASH	P	ρ	p	ρ	P	ρ
27	KHALKAR SUMIT ARUN	ρ	ρ	ρ	P	p	ρ
28	KHANDARE ANUSHKA AJAY	þ	0	p	P	ρ	p
29	KHAPARE PRACHI HARISHCHANDRA	d	ρ	ρ	p	· P	р
30	KHEWALKAR PRATIK PANDIT	9	ρ	P	p	p	p

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Hourse Condinator SMDT Ayurved College & Hospital Dhamangaon, Naligamari, Masnik,



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### Ref. No- 1313/SMBT/05/MET/03/IE-3B

Date- 06/12/2021

# BASIC RESEARCH METHODOLOGY WORKSHOP REPORT

- 1. SMBT Ayurved College and Hospital has organized a 'BASIC RESEARCH METHODOLOGY WORKSHOP' for First year students.
- 2. Location- First Year Classroom.
- 3. Date and Time of Conduction- 05/12/2021 ; 8:00 5:00 pm.
- 4. Name of the Organizing Department- HSET Cell of College.
- 5. Aim of The Workshop- To give basic knowledge about the Research and train UG students as per, so that they can conduct evidence based research in the field of Ayurveda from the very start of their UG course.
- 6. Participants- Batch 'B' students- 30
- 7. Completed Workshop- Out of 30 students, 28 students completed workshop successfully.
- 8. The workshop was started at 8:00 am with Dhanvantari Stavana and Lamp lightening ceremony by hands of workshop coordinator Dr. Varsharani Nipahde madam. Madam enlighten the Aim, Need and Importance of Research Methodology in today's era. Introduction of all participants and Faculty members was done by Dr. Ankush Gunjal sir.
- 9. Summary- The first lecture was started at 8:15 am.
- 10. "Introduction to Research Methodology"- Dr. Varshrani Niphade delivered the lecture.
  - Definition of Research, Evolution of Medical Research, Ayurveda terms for research like Anusandhana, Anveshana, Gaveshana, Paryeshana, Shodha etc. were explained by her. RESEARCH can be comprised in to
- R-Rethinking
- E- Experimental method
- S- Survey
- E- Evaluation
- A- Age, Altitude, Aptitude
- R- Recognition
- C- Current affairs
- H- Head, Heart, Hand & Health.



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- II. "Research Methodology- It is defined as a highly intellectual human activity used in the investigation of Nature and Matter & deals with the manner in which data is collected, analyzed and interpreted". Aim of research is finding out the new facts or verification of the old facts to follow the appropriate knowledge, so we can get better quality of knowledge.
- III. Characteristic of good research are as follows-

F- Feasible.

I- Interesting

N-Novel

E-Ethical

R- Relevant..... Called as 'FINER' criteria for research.

IV. Qualities of good researcher and the resources needed were explained by her.

11. "Types of Research"- Dr. Prashant Patil conducted this session. Two type researches are-

- I. Perspective:- Cause to effect Retrospective:- Effect to Cause.
- II. Observational:- Observations are made on small number group of patients.

Interventional:- Some interventions are made and outcome is monitored.

III. Descriptive:- Various types of survey, inquiry are included.

Analytical:- Researcher use information which is already available and analyze these to make a critical evaluation.

- IV. Pre-clinical:- Drug trial and animal studies.
  - Clinical:- Interventional and experimental studies. Human subjects are involved.
- V. Qualitative:- Used for qualitative data like health, quality of life. Quantitative:- Used for measurable data.
- VI. Clinical:- Observational are Case report and case series where Interventional are Clinical trials.

Epidemiological- Observational are Cohort, Cross sectional, Case control studies. Interventional are Field surveys.

VII. Choosing a right type of study is the soul of Research.



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- 12. "Literature Search"- The lecture was taken by Dr. Shilpa Badhe. She delivered lecute with the help of actual demonstration of literature search in Aayurveda text books and on Internet.
  - I. Academic text books, Journal articles and literature available on Internet are the sources.
  - II. Traditional, Systemic, Meta-analysis and Meta synthesis are the types of literature search.
  - III. DHARA, AYUSH portal and Pubmed, Google Scholar are some literature search engines available on internet.
  - IV. "And, Or and Not" are Bulleaon words used in online literature search.
  - V. Literature search helps researcher to find the knowledge gap and can adopt same methodology from previous researches for a new one.
- 13. "Qualitative Research"- Dr. Suwarna Chaudhari conducted a lecture .
  - I. It is a collection, analysis and interpretation of data by what people do and say. It is a subjective research.
  - II. Types of Qualitative Research are Interview, Focus Group Discussion and participant Observation Techniques.
  - III. Characteristics and the difference between Qualitative and Quantitative research, advantages and disadvantages of Qualitative research was explained very well by her.
- 14. "Questionnaire Designing"- Dr. Ankush Gunjal took a session on designing a medical questionnaire for research.
  - I. Questionnaire is depends on the type of study design.
  - II. There are 2 types of Questionnaire- Open Ended- where respondent expresses fillings freely. No predefined answers in this type. Close ended – In this type researcher provides 'with option form' to participants and participants have to choose the answer from predefined answers.
  - III. Principles of Questionnaire designing, Strength and Limitation of Questionnaire designing, Validity and Reliability was discussed in the lecture.
- 15. At last the Gurop Activity was conducted by Dr.Suwarna Chaudhari.
  - I. Students were divided in to three groups. Groups were motivated to search a literature research topic on 'Dincharya' in text books and on internet.
  - II. Students made search about the Dincharya according to Ayurveda in Charak, Vagbhata and Sushtura Samhitas. They used Pubmed, Google Scholar engine for literature search. All groups developed a questionnaire related to 'Dincharya &



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Life style' of a Person in general. Students enjoyed the activity and developed their own questionnaire.

16. In the end of workshop, vote of thanks was provided by Dr. Suwarna Chaudhari. Dr. Badhe madam appreciated the efforts taken by faculty members for students. Students noted positive response about the workshop.

Workshop Coordinator

Dr. Varsharani Niphade

Principal

Dr. Pradeep Bhabad. **Principal** S.M.B.T.Ayurved Coflege & Hospital Nandi-Hills,Dhamangaon,Tal.Igatpuri,Dist.Mashik.





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# Basic Workshop in Research Methodology Programme Schedule

Venue & Organizer:

SMBT Aynrved College and Hospital,

Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

#### Date: 05/12/2021

1<sup>st</sup> year BAMS (Batch B)

Year 2021-22

S.N	Topic	Method	Time (Min.)	Speaker	Time
1	Inauguration		15		08:00 am to 08:15 am
2	L-1: Introduction to Research Methodology	Lecture	60	Dr. Varsharani Niphade	08:15 am to 09:15 am
3	L-2 : Types of research	Lecture	60	Dr. Prashant Patil	09:15 am to 10:15 am
4	L-3: Literature search	Lecture	90	Dr. Badhe Shilpa	10:15 pm to 11:45 am
5	L-4: Qualitative Research	Lecture	90	Dr. Suvarna Chaudhari	11:45 am to 01:15 pm
6	Lunch		45		01:15 pm to 02:00 pm
7	L-4: Questionnaire	Lecture	90	Dr. Gunjal Ankush	02:00 pm to 03:30 pm
8	GA-1: Group Activity	Group Activity	90	Dr. Suwarna Chuadhari	03:30 pm to 05:00 pm

**Details of Faculties:** 

ŝr. No.	Name of Faculty	Designation	Department	College
01	Dr. Varsharani Niphade	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
02	Dr. Prashant Patil	Asso. Professor	Prasutitantra evam Strirog	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
03	Dr. Ankush Gunjal	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
04	Dr. Shilpa Badhe	Professor	Shalyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
05	Dr. Suwarna Chaudhari	Asst. Professor	Shalakya- tantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik



	Attendance for Research Me Batch-B-	ethodology (05-12-202)	Works 1)	shop Fi	rst Yea	ir	
Sr No	Name Of Student			suger	Lesuon	Sug lion	- ALA
1	MORE ROHAN BAPU	P	õ	$\rho$	4	0	
2	NALGIKAR DEVYANI BALAJI	p	ρ	P	Ð		P
3	NIBE PRAJWAL SURESH	D	P	ρ	···	<u> </u>	·
4	PACHARNE MRUNALI SAINATH	D	p	p	<u></u>	T P	2
5	PANGAVHANE RAM KISHOR	A	fl	p	- C	·····	
6	PATIL DISHA DILIP	p	p	ρ	ł	<u> </u>	<u>P</u>
7	PATIL LEENAKSHEE MAHESHWAR	p	p	0	P P	2	P
8	PATIL VAISHNAVI VISHWANATH	ρ	p	- p	·····	ρ p	
	RATHOD ABHIJIT RAMESHWAR	p	ρ	Þ	- P - P		f
10	RATHOD AJAY PRAN		- F P	P	P	P P	<u>r</u> 9
11	RATHOD PRAMOD JUABHAU	A	¢		?		<u>۲</u>
12	SAPATE SRUSHTI MARUTI	p		$\frac{r}{\rho}$	<u>e</u>	P	!
13	SAUDAGAR PRASAD RAJENDRA	0	0	P	P		<u>P</u>
	SAWALE SACHIN SUBHASHRAQ		- 2	P	····		Ê
	SHAIKH MOHAMMADKAIF IQBAL	- r p	P	P	$\frac{P}{P}$	<u> </u>	Р Р
	SHELKE YASHRAJ NARAYAN	$-\frac{r}{\rho}$	0	P	P	<u><u>P</u></u>	
	SHERE NAGESH GOVINDRAO	ρ	p	P	<u> </u>	$\frac{\rho}{\rho}$	P P
18 9	SHINDE AKSHATA RAJU		D D	P	P P	2	p P
19 5	SHINDE SHREYASH SUBRAO	P	$\frac{r}{\rho}$	P	_{}	P	r D
20 5	SIDARA ANJALI GOPAL	- <u></u> ρ	p	P	$\frac{P}{P}$		
21 5	ONAWANE KHUSHI SANDIP	P	p	<del></del>		$\frac{P}{0}$	P
	ONAWANE MAHESH BHAGWAN		P	8	<u>P</u>	<u>_</u>	
	URUSHE VAIBHAV GAJANAN	P	┉┷┉┈┟		<u>p</u>	P	P
	URYAWANSHI SAYALI GANGADHAR	$-\frac{P}{P}$	P D	P	<u>P</u>	P	1
	ATHE RAHUL SUBHASH		P	P	<u>p</u>	P	P
	ONGARE MANALI PUNDALIK			<u> </u>	<u>P</u>	P	<u>р</u>
	ANJARI VAISHNAVI RAJIV	P	<u>_p</u>	<u> </u>	P p	<u> </u>	P
	ARAT SWAPNIL VASANT	P	P	<u>P</u>	P	<u>_</u> P	P
	VADEKAR SHIVANJALI VIJAN	$\frac{P}{P}$	<u>P</u>	<u> </u>	2	<u>p</u>	2
	VAGH PRADNYA SIDDHESHWAR	P	P P	$\frac{P}{P}$	$\frac{P}{P}$	$\frac{P}{P}$	Р Р



HOD PROFESSOR Gaurse Coordinator II SMBT Ayurved College & Huspital Dhamangeon, Tatigatpunchesclustik

Nandihills, Dhamangaon-Ghoti, Tal. Igatpuri, Nashik-422403 Ph. (02553) 282341 Email : principal.ayurved@smbt.edu.in | smbtayurved@gmail.com | www.smbt.edu.in

### Ref.No- 1313/SMBT/05/MET/03/IE/3B

#### Date- 07/12/2021

# BASIC RESEARCH METHODOLOGY WORKSHOP REPORT

- 1. SMBT Ayurved College and Hospital has organized a 'BASIC RESEARCH METHODOLOGY WORKSHOP' for Second year students.
- 2. Location- Second Year Classroom.
- 3. Date and Time of Conduction- 05/12/2021, 8:00-5:00 pm.
- 4. Name of the Organizing Department- HSET Cell of College.
- 5. Aim of The Workshop- To give basic knowledge about the Research and train UG students as per, so that they can conduct evidence based research in the field of Ayurveda from the very start of their UG course.
- 6. Participants- Batch 'B' students- 30
- 7. Completed Workshop- Out of 30, 29 students completed workshop successfully.
- 8. The workshop was started at 8:00 am with Dhanvantari Stavana and Lamp lightening ceremony by hands of workshop coordinator Dr. Varsharani Niphade madam. Madam enlighten the Aim, Need and Importance of Research Methodology in today's era. Introduction of all participants and Faculty members was done by Dr.Prashant Patil sir.
- 9. Summary- The first lecture was started at 8:15 am.
- 10. "Descriptive Studies"- The every first lecture of workshop was conducted by
  - Dr.Prashant Patil . He enlightens the following points.
    - Descriptive study is a Observational study where Observations are made on small group of patients.
  - II. Inquiry type of studies like field survey are included in this type. Can be used for both qualitative and quantitative data.
  - III. Case Reporting, Case series and longitudinal studies are types of descriptive studies. Case reporting is done in case of rare findings related to any case. Case Series is reporting or publication of same findings in group of patients.
  - IV. Longitudinal studies are long time consuming studies, Case Control, Cross sectional and Cohort.
  - V. Descriptive studies are Hypothesis generating studies.
- 11. "Ethical Issues in Medical Research"- Dr. Varsharani Niphade highlighted the ethical issues in Medical research as follows-
  - I. Definition of **Ethics Committee** An ethics committee is a committee formally designed to review and approve the initiation of a clinical research study involving Human subjects and to provide continuing review of the research study.
  - II. Formation of IEC- 7-15 members as per ICMR guidelines.



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- III. Responsibilities if IEC was explained.
- IV. She explained the ethical issues in medical research like- Principle of essentiality, Precaution & risk minimization, Accountability and Transparency, Vulnerable and Special group, Compensation for research related harm, remuneration for Participant, Ancillary care, Conflict of Interest, Process of Informed Consent and its Importance, Privacy and Confidentiality, Distributive Justice, Community Engagement, Post research access and Benefit sharing.

# 12. "Evaluation of Diagnostic Tests"- Dr. Gunjal sir taken this session on diagnostic tests.

- I. Screening and Diagnostic tests are two different modalities to reach up to the final diagnosis of any disease.
- II. Screening tests are done in a group of likelihood of presence of disease and Diagnostic tests are done on Screened patients to confirm and make a final diagnosis. Sensitivity is the ability of a test to correctly identify those with disease i.e. True positive rate. Combinations of various tests can be advocated for a diagnosis of disease.
- III. Reliability of test- When results for a test are nearly same for one sample on a single instrument then the results is reliable.
- IV. Validity of test- When results for a test on different calibrated instrument shows nearly same when compared to standard results then it's a validity of test.
- 13. "Critical Evaluation of Journal-Article"- Dr.Badhe madam conducted a session with demonstration of Article in UGC approved Journal.
  - I. Critical evaluation of article from UGC indexed Journal on 'Application of Ksharakarma in Arsha' in was taken for consideration.
  - II. What to see about Journal- publisher, Section of the Journal, ISSN number, peer reviewed Journal, year of publication, Issue and Volume of Journal, Page No.
  - III. What to see about article- Authors, credentials of authors, current position and past experience, area of expertise.
  - IV. What to see in published material- Departure from author's specialty area. Title of article indicated Research Question. Look for meaningful Aim and complete Objectives. Study population, study settings. Abstract within 100-250 words, catchy, not too short or long. Introduction creates rationally for current study. Logical flowing sentences. In methodology- Target population, sample frame, sampling technique used, sample size. Then material and methods like Inclusion, exclusion criteria, statistical analysis and tests used. Results should contain appropriate tables, charts and graphs. Discussion Interpreting and explaining



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results obtained. It should be meaningful, highlight the important findings of study, enough explanation and significant thinking, logical and reasoned the results properly. At the end Limitation of study and Conflict of Interest if any.

- 14. "Types of Data and Data presentation"- Dr. Varsharani Niphade delivered lecture. She focused on following points-
  - I. Data is collected from Observation Unit i.e. Human subject in clinical Research.
  - II. Collection of data through; Primary sources- Direct interface with the observational unit.
  - III. Types of data- Qualitative & Quantitative. Qualitative/ Discrete/ Frequency Continuation Data- Two types. Nominal eg. Colors of hair; and Ordinal- Degree of illness. Quantitative Data- Discrete and Continuous data. Discrete data is number used in Mortality, Birth rate etc. Continuous data varies both in characteristic and frequency.
  - IV. Types of Data Presentation- Tabular and Diagrammatic presentation is used for both Qualitative and Quantitative data.
- 15. At the end of the workshop, "Group Activity" was taken over the topics covered in theoretical lectures. Dr. Varsharani Niphade conducted this activity.
  - I. Students were divided in different groups.
  - II. Two article related to "Agnikarma in Acute pain Management" were given for the critical evaluation and students were asked to find the Good and substandard points from these article.
  - III. Also group activity related to data presentation was taken. Colour of hairs, Degree of illness, discharge from wound, temperature, Weight of patient, BMI, BP, Blood Sugar Level, was taken for consideration and students identified the type of data and presented in a Tabular and Graphical forms.
- 16. At end of the workshop vote of thanks was offered by Dr. Varshrani Niphade. Students took part in a workshop very enthusiastically and noted positive response.

17. Dr. Shilpa Badhe madam addresses the students and appreciated their efforts.

Workshop Coordinator

Dr. Varsharani Niphade



Dr. Pradeep Bhabad. Principal S.M.B.T.Ayurved College & Hospital Nandi-Hills, Dhamangaon, Tal Igatouri, Dist. Nashik.



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### Basic Workshop in Research Methodology Programme Schedule SMBT Ayurved College and Hospital,

Venue & Organizer:

Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

Date: 05/12/2021

2<sup>nd</sup> vear BAMS (B Batch)

Year 2021-22

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S.N	Topic	Method	Time (Min.)	Speaker	Time		
1	Inauguration		15		08:00 am to 08:15 am		
2	L-1: Descriptive studies	Lecture	90	Dr. Prashant Patil	08:15 am to 09:45 am		
3	L-2 : Ethical issues in medical research	Lecture	60	Dr. Varsharani Niphade	09:45 am to 10:45 am		
4	L-3: Evaluation of diagnostic test	Lecture	60	Dr. Gunjal Ankush	10:45 pm to 11:45 am		
5	L-4: Critical evaluation of journal and articles	Lecture	90	Dr. Badhe Shilpa	11:45 am to 01:15 pm		
6	Lunch		45		01:15 pm to 02:00 pm		
7	L-5: Types of data and data presentation	Lecture	90	Dr. Varsharani Niphade	02:00 pm to 03:30 pm		
8	GA-1: Group Activity	Group Activity	90	Dr. Varsharani Niphade	03:30 pm to 05:00 pm		

**Details of Faculties:** 

Sr. No.	Name of Faculty	Designation	Department	College
01	Dr. Varsharani Niphade	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
02	Dr. Prashant Patil	Asso. Professor	Prasutitantra evam Strirog	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
03	Dr. Ankush Gunjal	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
04	Dr. Shilpa Badhe	Professor	Shalyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik



	Attendance for Research Metho	dology V	Vorksh	opSec	ond Ye	ar	
	Batch-B-(05	-				<u> </u>	
Sr No	Name Of Student	ر تغنیفی کر ا	милт 2	sension z	<u>л.н</u> иом 4	section 5	server 6
1	MAGAR HARSH PRADIP	P	P	P	p	P	ρ
2	MALEKAR SHRINIVAS PRALHAD	P	P	P	p	P	ρ
3	MARATHE PRANJAL SANJAY	P	P	р	p	P	P
4	MARATHE SANKET ASHOK	P	P	9	Ŷ	0	p
5	MORE MRUNALI KISHOR	9	ρ	Р	p	P	P
6	NAPHADE SHREYSH KRUSHNA	Ρ	p	P	р	P	ρ
7	NICHITE SNEHA BHASKAR	ρ	ρ	ρ	P	P	P
8	PADGILWAR PRASAD CHANDRAKANTRAO	P	ρ	P	P	P	р
9	PAGAR PRATIK RAVINDRA	P	Р	ρ	p	p	ρ
10	PAL VARSHADEVI RADHESHYAM	A	Ą	P	A	ß	A
11	PANJWANI AMITKUMAR RAVIKUMAR	P	P	ρ	P	P	p
12	PATIL ADITI MILIND	ρ	9	P	P	P	P
13	PATIL HIMANI SANJAY	Р	P	P	P	P	P
14	PATIL PAVAN ROHIDAS	P	p	p	P	P	P
15	PATIL RAMESHWAR DIPAK	P	P	P.	P	P	р
16	RAKH SNEHAL BARIKRAO	P	P	ρ	P	P	P
17	RANSHUR MAYURI DATTATRAY	P	P	P	P	9	P
18	SALUNKHE MANSI JITENDRA	P	p	р	P	9	P
19	SHINDE MAHESH SUNIL	P	p	P	p	P	ρ
20	SHINDE PRIYANKA PRAVIN	Р	p	ρ	P	P	p
21	SHINGNE SAMRUDDHI SUDHIR	P	P	Γp	P	P	p
22	SONKUSARE KRUSHNAKAMAL ARUN	P	P	P	P	P	р
23	SURWADE SNEHAL BALU	p	p	P	P	P	P
24	TANPURE VAISHNAVI BALU	P	p	P	P	P	P
25	TIWARI BHARAT SHIVPRAKASH	P	P	ρ	ρ	P	Р
26	ULPE PRANITA SHASHIKANT	P	p	ρ	P	P	P
27	UPADHYE VEERKUMAR ABHAY	p	p	p	P	P	p
28	VINERKAR SAHIL BHIKURAM	p	P	ρ	ρ	P	P
29	WAKCHAURE SAYALI RAJENDRA	p	ρ	P	P	P	ρ
30	WANGIKAR BHAGYASHREE AVINASRAO	- P	ρ	P	P	P	ΓP



HOLE PROFESSOR Gourse Coordinator SMGT Ayurved College & Hospital Dhamangaon,Tallgatore, Clis. Nachb



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Ref.No- 1313/SMBT/05/MET/03/IE-3B

#### Date- 6/012/2021

# BASIC RESEARCH METHODOLOGY WORKSHOP REPORT

- 1. SMBT Ayurved College and Hospital has organized a 'BASIC RESEARCH METHODOLOGY WORKSHOP' for Third year students.
- 2. Location- Third year classroom.
- 3. Date of Conduction- 05/12/2021, 8:00- 5:00 pm.
- 4. Name of the Organizing Department- HSET Cell of College.
- 5. Aim of The Workshop- To give basic knowledge about the Research and train UG students as per, so that they can conduct evidence based research in the field of Ayurveda from the very start of their UG course.
- 6. Participants- Batch 'B' students- 30
- 7. Completed Workshop- All 30 students completed workshop successfully.
- 8. The workshop was started at 8:00 am with Dhanvantari Stavana and Lamp lightening ceremony by hands of workshop coordinator Dr. Varsharani Niphade madam. Madam enlighten the Aim, Need and Importance of Research Methodology in today's era. Introduction of all participants and Faculty members was done by Dr. Suwarna Chaudhri madam.
- 9. Summary- The first lecture was started at 8:15 am.
- 10. "Experimental Studies"- Dr. Suwarna Chaudhari delivered the lecture. She highlighted following points-
  - I. Types of Experimental studies are- Animal study, Human trials- Randomized Controlled Trial/ RCT, Field trial and Community trial.
  - II. Difference between study population and target population.
  - III. Types of variable like Dependent and Independent Variables. Importance of
  - Matching, Bias in matching and matching criteria's. To avoid bias Masking or Blinding is done.
  - IV. Types of blinding- Single, Double & Triple blind study. Four phases of Clinical research are also well explained by her.
- 11. "Sampling Methods and Sample Size"- Dr. Shilpa Badhe condected a session of Sampling and taught following related concepts-
  - Size and method of sample for any research work is dependent on the type of a study. Sample is drawn from the target population.
  - II. Two types of sampling are Random / Probability sampling and Non Random / Non Probability sampling.



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- III. Probability sampling in which every unit in the study population has equal chance of being selected as a sample.
- IV. Non Probability sampling in which some units of population have no chance of selection in a sample.
- V. Simple random, Systematic, Stratified, Cluster, Multistage and Multiphase sampling are the types of Probability sampling. Purposive, Quota, Convenience and Snowball sampling are the types of Non Probability sampling.
- VI. Dr.Badhe madam elaborated the concept of determination of sample size for different research types.
- 12. "Inferential Statistics"-Dr. Prashant patil delivered lecture and elaborated following

#### concepts-

- I. Descriptive and Inferential are types of statistics. In Inferential statistics some inference of a Research are made with the help of statistical test.
- II. For qualitative Data assessment Non Parametric tests like Chi square test, Wilcoxon sign rank test- within same group, and Mann whitney 'U' test- in different groups are used.
- III. For quantitative data analysis Parametric test like Students 't' test are used. 'Paired t test' for paired data i.e. within same group and 'Unpaired t test' for unpaired data like in 2 different groups.
- IV. ANOVA test is used when more than 2 group are present. 'Z' test is used for large sample size when data follows normal distribution.
- 13. "Writing Research protocol"- Protocol writing and its precept was taught by Dr.

### Varsharani Niphade.

- A Research Protocol is a formal written record that one prepared Before research fieldwork is undertaken.
- Research protocol is a document that sates the background, objectives, rationale, design, methodology and statistical consideration of the study.
- III. Contents of research protocol are- Title, Introduction (Research Question & Hypothesis, Rationale of study), Aim & Objectives, Literature Review, Methodology (Research Design), Data collection, Analysis and Interpretation Methods, Ethical consideration, Study Time Frame, Reference style, Bibliography, List of Abbreviation, Budget, Annexure are the contents of research protocol.
- 14. "Computer Assistance in Data Analysis- Excel"- Dr. Suwarna Chudhari conducted this session.



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- I. Analysis of observed and collected data is the important step in research. It needs computer assistance.
- Definition of Data in research, types of data, Measures of Central tendency and Test of significance was explained by her with the help of a computer.
- III. Use of Excel software for data entry and simple analysis was demonstrated by Suwarna madam.
- 15. The "Group activity" was conducted by Dr.Shilpa Badhe madam for the topics covered in workshop.
  - Groups were given different study types and asked to find the appropriate sample method for study. Simple random sampling, Systematic sampling are used for RCT. Purposive sampling when study population is very small. Cluster for Cohort etc.
  - II. Then with the help of a Sample size determination formula, groups were come with their appropriate sample size depending upon type of study. Groups were advised to make a Research protocol with its appropriate content for chosen study type.
  - III. Hands on training of use of Excel software was conducted with its demonstration like- Open file, then table of data, go to your file, choose excel sheet, then choose test finally make an analysis of test.
- 16. At end of the workshop vote of thanks was offered by Dr. Shilpa Badhe madam.
- 10. At end of the workshop vote of thanks methods and noted positive response, that 17. Students took part in a workshop very enthusiastically and noted positive response, that
- this workshop will definitely help them for conducting a Research in medical field in their student life and also onwards.
- 18. The workshop was concluded at 5:15 pm with National Anthem.

Workshop Coordinator

Dr. Varsharani Niphade

Principal

Dr. Pradeep Bhabad. **Principal** S.M.B.T.Ayurved College & Hospital Nandi-Hills, Dhemangaon, Tal.Isatouri, Dist Nachik





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#### Basic Workshop in Research Methodology Programme Schedule

Venue &Organizer:

SMBT Ayurved College and Hospital,

Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

Date: 05/12/2021

#### 3<sup>rd</sup> year BAMS (8 Batch)

Year 2021-22

S.N	Topic	Method	Time (Min.)	Speaker	Time
1	Inauguration		15	-	08:00 am to 08:15 am
2	L-1: Experimental studies	Lecture	60	Dr. Suwarna Chaudhari	08:15 am to 09:15 am
3	L-2 : Sampling method and sample size	Lecture	90	Dr. Shipla Badhe	09:15 am to 10:45 am
4	L-3: Inferential statistics	Lecture	60	Dr. Prashant Patil	10:45 pm to 11:45 am
5	L-4: Writing research protocol	Lecture	90	Dr. Varsharani Niphade	11:45 am to 01:15 pm
6	Lunch		45		01:15 pm to 02:00 pm
7	L-5: Computer assistance in data analysis Excel	Lecture Demo	90	Dr. Shilpa Badhe	02:00 pm to 03:30 pm
8	GA-1: Group Activity	Group Activity	90	Dr. Shilpa Badhe	03:30 pm to 05:00 pm

#### **Details of Faculties:**

Sr. No.	Name of Faculty	Designation	Department	College
01	Dr. Varsharani Niphade	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
02	Dr. Prashant Patil	Asso. Professor	Prasutitantra evam Strirog	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
03	Dr. Ankush Gunjal	Asso. Professor	Kayachikitsa	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
04	Dr. Shilpa Badhe	Professor	Shalyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
05	Dr. Suwarna Chaudhari	Asst. Professor	Shalakya- tantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik



Sr No	Name Of Student	KENSLOM	Lucion	serion	Ression	wine	hersi
1	KHILLARE ONKAR DATTATRAYA	P	τ Ω	$\frac{3}{\rho}$	P P	$\vec{p}$	p
2	MAHAJAN ASHWINEE RAVINDRA	P	p	ρ	P	<i>p</i>	, P
3	MANDLIK PRACHI SUNIL	p	P	p	ρ	ρ	r P
4	MHATRE RUTIKA JIVAN	- p	ρ	P	p p	Ď P	P
5	MORE DIPASHRI MANOJ	ρ	ρ	p	P	P	P
6	NANDRE NILIMA NARAYAN	p	P	p	p	ρ	P
7	NEHE TRUPTI SUNIL	P	2	p	P	Ŷ	P
8	NEVDE NISHIGANDHA KALYAN	P	ρ	p	0	P	p
9	NYAHARKAR KAMLESH DHANANJAY	ρ	p	p	P	ρ	
10	PACHPUTE SHARADA SUBHASH	P	p	P	p	0	- <u>'</u> 2
11	PATIL ASHISH ARUN	ρ	0	ρ	Þ	2	/ Ø
12	PATIL NIKITA MADHUKAR	P	ρ	ρ	ρ	ρ	P
13	PATIL SIDDHARTH SAHEBRAO	P	ρ	p	ρ	ρ	P
14	PAWAR OMKAR HIRAMAN	Ŷ	ρ	ρ	ρ	ρ	p
15	PILLAY FRANKO PRINCE	P	ρ	ρ	P	ρ	p
16	RANE CHETANA SURESH	P	ρ	ρ	p	9	p
17	RANE JATINKUMAR VIJAY	P	ρ	ρ	p	ρ	P
18	SARBHUKAN MAYURI NITIN	ρ	ρ	P	ρ	ρ	p
19	SASANE SHUBHAM BANDU	P	ρ	Ρ.	ρ	ρ	P
20	SAWSAKKE ANJALI GANESH	P	ρ	ρ	ρ	P	p
21	SHINDE RUSHIKESH SANTOSH	ρ	P	P	Ŷ	ρ	P
22	SHINDE SHUBHAM DILIP	ρ	₽	8	P	p	P
23	SONAWANE AKASH RAJENDRA	P	ρ	ρ	p	P	P
24	THOMBRE PRIYA BHAGUJI	P	ρ	P	ρ	P	p
25	TIPANE SHUBHAM SANJAY	P	ρ	P	ρ	P	Þ
26	TIPLE DISHA KARMAVIR	Ρ	ρ	ρ	2	ρ	P
27	VAIDYA SHWETA VASANTRAO	р	ρ	p	ρ	P	ρ
28	WAGH YASHPAL HASRATH	P	P	P	ρ	Þ	p
29	YADAV VISHAL LALII	ρ	P	P	p	$\frac{r}{p}$	p
30	YELMOTE RUTUJA PRASHANT	ρ	ρ	ρ	$\dot{\rho}$	6	- P

Attendance for P h 85. ÷ L 4 ..... 147. 

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HOD Course Coordinator SMUT Ayarved College & Propilat Dhamangeon Tallgelpartics Unishik.



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Ref. No - 1354/SMBT/05/MET/Gen-05

Date-02/06/2022

#### CIRCULAR

- HSET is conducting a "GOOD CLINICAL PRACTICES WORKSHOP" for First Year PG students and Teaching Staff to add knowledge regarding Good Practices.
- 2. Schedule :
  - (a) Date 06-06-2022 to 10/6/2022
  - (b) Time : As per schedule in Brochure
  - (c) Venue : Seminar Hall SMBT Ayurved College & Hospital.
- Lectures : As per schedule in brochure.
- 4. Please note attendance is compulsory for those who have registered the course.
- 5. Please acknowledge.



Principal

SMBT Ayurved College & Hospital Principal S.M.B.T.Ayurved College & Hospital Nandi-Hills,Dhamangaon, Tallgatpuri,Dist.Nashik.

Distribution – Notice Board



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Ref No:- 1313/SMBT/05/MET/03/IE-01

Date:-11 /06/2022

#### GOOD CLINICAL PRACTICES WORKSHOP EVENT REPORT

In SMBT Ayurved College and Hospital, Curriculum committee and HSET conducted a workshop on Good clinical Practices for first year PG students and Teaching Staff to add knowledge regarding Good Practices.

Date and time of the event - 06/06/2022 to 10/06/2022

Location of the event - SMBT Ayurved College& Hospital-Seminar Hall

- Teaching Staff-05
- PG Students 34

#### <u>Resource Person</u> - As Per Schedule <u>Name of the section who organized event</u> - HSET cell.

#### Summary -

Introduction of GCP workshop was done by- PG Coordinator Respected Dr. Shilpa Badhe. She addressed all Participant & Welcome them. The importance of GCP in conducting Human trials was stated by Dr Badhe maam. To protect the rights, Safety & Wellbeing of Human research subject is the primary Aim of the GCP.

GCP provides standard & guidelines for the conduction of clinical trials.

#### Pre-Test was conducted.

Aim of Training/ Agenda – To Train the participant about the principles of GCP for Ethical conduction of Human clinical trials.

- 1- To protect the rights, safety and welfare of humans participating in research.
- 2- To assure the quality, reliability and integrity of data collected.
- 3- To provide standards and guidelines for the conduct of clinical research.
- 4- Good Clinical Practice = Ethics + Quality Data.

#### Summary of Lectures--

#### 1- Introduction of ICH-GCP By Dr. Satish Urhe-

Good Clinical Practice (GCP) is an international ethical and scientific quality standard for designing, conducting, recording and reporting trials that involve the participation of human subjects. GCP protects-The rights, safety and wellbeing of study participants. GCP - Increased Ethical Awareness. He told the **Need of GCP in Clinical trials** giving some unethical trials examples like high altitude trial on prisoner, Syphilis trial, Thalidomide effect etc. The formation of GCP from Nuremberg code, the Declaration of Helsinki, and the Belmont report up to International conference of Harmonization – ICHGCP was explained by Dr Urhe. GCP- Prevents Frauds and Accidents during Trials. Voluntary informed consent must be essential for Clinical Trials.



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#### 2- Principles of ICH-GCP By Dr. Varsharani Niphade

Good clinical practices are applicable for the research where trail subjects are Human Beings. GCPs are necessary to establish the safety and effectiveness of specific health or medical related products and practice- it may be drug, lab investigation or any intervention.

GCP has 13 core principles

1)Principle of Ethical conduct - Research involving human subject should be conducted ethically in accordance with basic principles of equal importance - Respect, Beneficence& Justice of person.

2) Protocol of Clinical Research- the protocol should be scientifically justified and described in a clear & detailed manner.

3) Risk Identification- Before initiation of clinical research, Foreseeable Risk, discomfort and any anticipated Benefits for trial subject & society should be identified.

When the anticipated benefits clearly outweigh the risk, then only can start the clinical trials.

4) Review by IEC/IRB- Clinical research should receive Independent Ethics Committee or Institutional Review Boards approval prior to initiation of trail.

5) Protocol Compliance- The trial should be conducted in compliance with only approved protocol.

6) Informed Consent- Freely given informed consent should be obtained from every subject prior to research participation in accordance with national culture and requirements.

7) Ongoing Benefit/Risk Assessment- The clinical research should be continued only the benefit/ risk profile remains favorable.

8) Investigator Qualification- Qualified and duly licensed Medical personnel should be responsible for the medical care of trial subject & when necessary any medical decision made on behalf of trial subject.

9) Staff Qualification- Each individual in a clinical research should be qualified by education, Training and experience.

10) Record- All clinical trial information should be recorded, handled & stored in a way that allows its accurate reporting interpretation and verification.

11) Privacy and Confidentiality - The confidentiality of record that could reveal the identity of trail subject should be protected.

12) Good Manufacturing Practices- Investigational products should be manufactured, handled & stored in accordance with applicable GMP practice & should be used in accordance with the approved protocol.

13) Quality System- Systems with procedures that assure the quality of every aspect of the trial should be implemented.

Importance of GCP - GCPs are important for the establishment of ethical & scientific quality standards for the design, conduct, recording& reporting of a clinical research involving the participation of human subjects.



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#### Protocol Elements by Dr. Varsharani Niphade

Research protocol should be written in definite manner. Following are the elements of writing research protocol.

1) Definition of research.

2) Definition of research protocol.

3) Need of written research protocol.

4) Elements of research protocol- Title, Introduction, Aim-Objectives, Literature review, Methodology, Data collection, Analysis and interpretation methods, Ethical consideration, Study time frame, Reference style, Bibliography, List of Abbreviation, Budget, Annexure.

5) Protocol violation,.

6) Common pitfalls to avoid while writing research protocol.

#### 3- Roles and Responsibilities of IEC By Dr. Ankush Gunjal-

The role of IEC in clinical trial is very important. IEC is responsible for the safety of trial subject. The following are the contents of topic.

- 1) Need of ethics committee.
- 2) Constitution of ethical committee.
- 3) Roles and responsibilities of ethical committee.
- 4) Ethical issues handled by ethical committee.

#### 4- Healthy Lifestyle By Dr. Vaishali Bhabad

Healthy lifestyle has significant role in our day to day life. Many clinical researches can be done on upcoming emerging diseases and lifestyle diseases in which healthy lifestyle and immunity will play important role. Component of healthy lifestyle mainly contribute healthy diet, regular physical activity, sleep pattern, stress management. In Clinical research healthy lifestyle will have significant contribution. So Investigators has to mention healthy lifestyle modification in protocol accordingly. Ethical conduct, informed

Consent will necessary for lifestyle modification.

#### 5 Roles and Responsibilities of Investigator and Sponsor by Dr Jitesh Thakur

Topic conducted was Roles and responsibilities of Investigator and Sponsor. Brain storming activity was conducted at the start of session. The definition of Investigator in research was explained during this session. Also the concept of Sponsor was explained. The concept of Principal investigator (PI) was explained. The qualification, experience, adequacy of resources, protocol writing, and importance of informed consent was elaborated. The responsibilities of Investigator such as Safety of patient, Reporting of SAE,care of patients during clinical trial & final report submission were conducted. The responsibilities of Sponsor such as selection of Investigator, Allocation of responsibilities, financing, Noncompliance's, compensations, quality assurance and quality control etc. Were briefly explained at the end of this session.



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#### 6 Mana Paribhasha (Ayurveda Mana Paribhasha) By Dr Santosh Niphade Mana Paribhasha.

The meaning of Mana is Measures- through which the weight, volume, length of substance is weighed or measured.

Withuout proper knowledge of measurements it is not possible to formulate a good quality drug or to prescribe it for patients.

Two types of Mana- Kaling & Maghadha were used in classical texts. Out of which Magadha Mana is more superior.

Classical unit of Mana were compared with Metric equivalent, so the researchers can easily calculate the actual measures.

Tried to make it simple with some examples of Ayurveda drug formulation like Abhayarishta, Kumariaasava, DadimadiGhrut etc.

Translation of Some Mana which are difficult to convert in metric equivalent like Rajkolfalopama, Gunja, Shanetc were well explained.

One activity with example of Valla pramaan was given to researchers, where they found the correct measure of Valla in metric equivalent is 375 mg.

It definitely help to understand the ManaPramana topic.

Handout related to topic was distributed to all participants.

#### 7 Medical Negligence & Laws of GCP By Dr. Kiran Mantri-

Medical Negligence It could be defined as a failure to perform the duty to exercise a Reasonable degree of skill and care in the treatment of patient. Types of Negligence are Civil Negligence and Criminal Negligence. Precautions against Medical Negligence are steps such as Never guarantee a cure, Obtain informed consent from the patient, etc. Laws Related to Medical Negligence are CPC, CrPC, IPC and CONSUMER PROTECTION ACT 1986

#### 8- GMP & Formulations of Ayurvedic Medicines By Dr. Sunita Bhusare GMP AND AYURVEDIC DRUG PREPARATION.

For ASU drugs introduced since 23 rd JUNE 2000 {SCHEDULE 'T" Under (Rule157B)} of Drugs & amp; Cosmetic Rules. Good Manufacturing Practice Is A System Implemented By The Gov. Of India To Insure The Production Of Good Quality Product And To Minimize The Production Of Adulterated And Substandard ASU Medicine. GMP Ensures That Pharmacy Execute Consistent Within Safe Environment, Hence It Prevent Contamination, Recalls, And Loss Of Profit. Gmp Comes With Strict Protocols That Lessen The Risk Of Manufacturing Errors.

To ensure: - i) Raw materials used in the manufacture of drugs are authentic, of prescribed quality and are free from contamination.

ii) The manufacturing process is as has been prescribed to maintain the standards.



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iii) Adequate quality control measures are adopted.

iv) The manufactured drug which is released for sale is of acceptable quality. Investigational Product Should Be Manufactured, Handled and Stored In Accordance With Applicable Good Manufacturing Practice and Should Be Used In Accordance With the Approved Protocol.

#### 9- Pharmacovigilence by Dr Rajesh Wankhede-

Aim and Objectives of Pharmacovigilence are to improve patient care and safety in relation to the use of medicine and all medical and paramedical intervention. WHO definition of Pharmacovigilence is the science & activities related to the detection, assessment, understanding & prevention of adverse effect or any other drug related problem. Examples of Ayurveda pharmacovigilence is VirudhhaAhara. The need of Pharmacovigilence in clinical trials are to improve Public Health and safety in relation to use of medicine, to contribute to the assessment of benefits, Harmfulness, effectiveness and risk of medicine, encouraging their safety, rational and more effective use, to promote understanding education and clinical trianing to health professionals in pharmacovigilance and its effective communication and the public. Nearest centre for reporting of Pharmacovigilence is R.A Podar medical College & Hospital Worli , Mumbai.

#### 10- GCP and Standard Panchakarma Procedures by Dr. Anushree Netke Endait

We need to go through our classics, all GCPs are mentioned there for Standard Panchakarma procedures but also we need to adopt the newer techniques for effective and promising Panchakarma results. We can co relate Ayush guidelines with our classics for standard Panchakarma procedures such as Upkalpaniya adhyay of CharakSutrasthanalso the Siddhisthan of CharakUttarardha. Also, our methods should be simple, economical, easy to conduct, time friendly And suitable to patients with convenience.

#### 11- Adverse Drug Reaction By Dr. Amol Gulve

Adverse drug reactions (ADRs) – unintended, harmful events attributed to the use of medicines – occur as a cause of and during a significant proportion of unscheduled hospital admissions.

There are 3 types of ADR on the basis of onset i.e. Acute, Sub acute, latent. Also there are 6 types of ADR i.e. Augmented, Bizarre, chronic/continues, Delayed, End of drug, failure of efficacy also called type A, type B, type C, type D, type E, type F respectively. Where type A is Predictable and Type B was unpredictable because of Immune response and Genetic makeup of patients.

For identification of ADR we can perform Challenge-De Challenge-

Challenge method. And use Stop-Pause-Reduce and Treatment method for treating the ADR. For detection of ADR, Naranjo question scale was use.



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Preventing ADRs depends on avoiding treatment in cohorts of patients who are at increased susceptibility or providing treatment under a therapeutic plan that reduces the risk of an adverse effect (eg co-administration of other drugs, monitoring blood test results).

Spontaneous reporting (using the Yellow Card Scheme in the UK) based on the suspicion of an ADR is an important part of pharmacovigilance but, overall, ADRs are vastly underreported across healthcare settings and sectors.

#### 12 Informed Consent By Dr. Vinaya Bodake Wagh

As Dr Badhe was busy in other College & Departmental work the Lectures of Dr Badhe Maam was delivered by Dr Vinaya Bodke maam.

Informed consent is the process in which a health care provider educates a patient about the risks, benefits, and alternatives of a given procedure or intervention. The patient must be competent to make a voluntary decision about whether to undergo the procedure or intervention. Informed consent is both an ethical and legal obligation of Medical practitioners. The following are the required elements for documentation of the informed consent discussion:

- (1) the nature of the procedure,
- (2) the risks and benefits and the procedure,
- (3) reasonable alternatives,
- (4) risks and benefits of alternatives, and
- (5) Assessment of the patient's understanding of elements 1 through 4.

#### -Vulnerable Population By Vinaya Bodake Wagh

A vulnerable population is a group of people that requires greater protection than normal against the potential risks of participating in research.

The justification for involving the vulnerable population in research is mainly when a particular problem affects that group. However, it is important to understand that participation in biomedical research not only poses risks, but also may provide benefit to participants and society.

Investigators need to explain why they have chosen to conduct the research in children or other vulnerable group instead of in a group that is more able to protect themselves. The desire to protect must be balanced with the need to conduct research in order to advance medical science in order to benefit those same vulnerable populations. The concern with involving vulnerable persons is twofold. First, no ethical justification exists for excluding vulnerable populations. In fact, it is unethical to exclude such Populations from research in that their exclusion restricts knowledge development in areas that would ultimately benefit that group.

Limited autonomy = vulnerable populations

Vulnerable populations are so-named because:

They are vulnerable to undue influence or coercion



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Undue Influence = 'an offer of an excessive, unwarranted, inappropriate or improper reward or other overture in order to obtain compliance"

Coercion = "an overt threat of harm is intentionally presented by one person to another in order to obtain compliance."

They have limited comprehension and understanding (i.e., children)

The following groups are defined as vulnerable in the federal regulations:

Pregnant women, fetuses, and neonates Children Prisoners.

Post Test was conducted. Feedbacks were collected Total 38 feedbacks responses was recorded. Feedback of participants as follow

Excellent feedback for -Objective clearly defined – 60%, Speaker & Subject knowledge - 62%, Presentation of topic – 64%

Good feedback for - Relevance to the Topic - 60%, Use of Teaching tools - 62%.

64 % Feedback noted **Excellent** for Overall session. Many of participants suggested demonstration of topic will be helpful for them so in next workshop it will be added.

Soft copy of Registration, Pretest, Post Test, & Feedback is maintained at mail Id. smbtayugcp@gmail.com

Certificate Distribution was done

The workshop was ended with Vote of thanks provided by Dr. Varsharani Niphade maam.

CURRICULAR SECRETORY

HSET CELL COORDINATIOR

Principal S.M.B.T.Ayurved College & Hospital Nardi-Hills, Dhamangaon, Tal.Igatpuri, Dist.Nashit,





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	G				
S.No.	Name of Topics	Speaker	Designation	Date	Time
1	Registration	-	-	6/Jun/22	1 pm to 1.30 pm
2	Inaugration and Pretest	Dr Varsha & Dr Darshana	-	6/Jun/22	1.30 pm to 2 pm
3	Introduction of ICH-GCP	Dr. Satish Urhe	Asst. Professor,Department of Panchakarma. SMBT Ayuved college	6/Jun/22	2 pm to 4 pm
4	Principles of ICH-GCP	Dr. Varsharani Niphade	Asso. Professor,Department of Kayachikitsa. SMBT Ayuved college	7/Jun/22	1 pm to 3 pm
5	Roles and Responsibilities of IEC	Dr. Ankush Gunjal	Asso. Professor,Department of Kayachikitsa. SMBT Ayuved college	7/Jun/22	3 pm to 4 pm
6	Informed Consent	Dr. Shilpa Badhe	Professor,Department of Shalyatantra. SMBT Ayuved college	8/Jun/22	1 pm to 2 pm
7	Protocol Elements	Dr. Varsharani Niphade	Asso. Professor,Department of Kayachikitsa. SMBT Ayuved college	8/Jun/22	2 pm to 3 pm
8	Roles and Responsibilities of Investigator and Sponsor	Dr. Jitesh Thakur	Asst. Professor,Department of Kaumarbhritya. SMBT Ayuved college	8/Jun/22	3 pm to 4 pm

Course Coordinator-- Dr Varsharani Niphade Dr Darshana Borkar Course Date- 06-06-2022 To 10-06-2022



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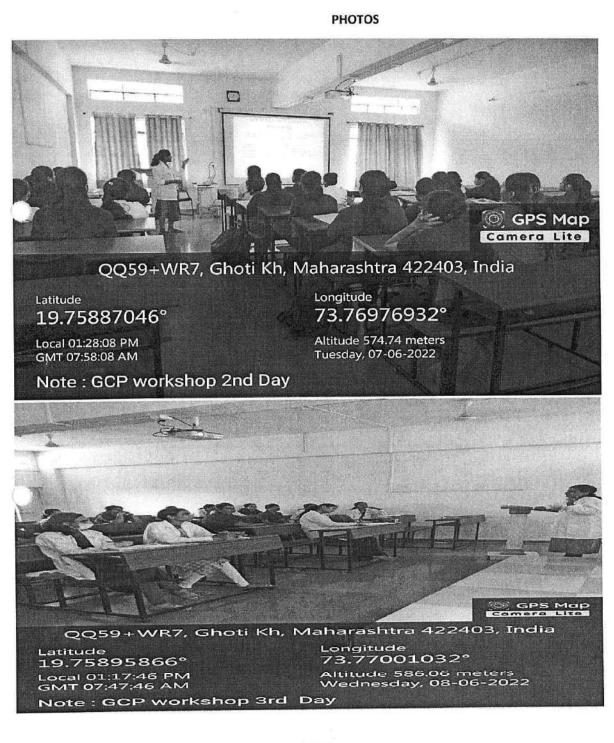
		S	CHEDULE		Time
S.N	Name of Topics	Speaker	Designation	nation Date	
9	Medical Negligence & Laws of GCP	Dr. Kiran Mantri	Asso. Professor,Department of Agadtantra. SMBT Ayuved college	9/Jun/22	1 pm to 1.45 pm
10	Vulnerable Population	Dr. Shilpa Badhe	Professor,Department of Shalyatantra. SMBT Ayuved college	9/Jun/22	1.45 pm to 2.30pm
11	Mana Paribhasha( Ayurveda Mana Paribhasha)	Dr. Santosh Niphade	Asst. Professor, Department of RSBK. SMBT Ayuved college	9/Jun/22	2.30pm to 3.15pm
12	GMP & Formulations of Ayurvedic Medicines	Dr.Sunita Bhusare	Asso. Professor, Department of RSBK. SMBT Ayuved college	9/Jun/22	3.15pm to 4pm
13	GCP and Standard Pancharma Procedures	Dr. Anushree Netke	Asso. Professor Department of Panchakarma. SMBT Ayuved college	10/Jun/22	1 pm to 1.45 pm
14	Adverse Drug Reaction	Dr. Amol Gulve	Asst. Professor, Department o Kayachikitsa. SMBT Ayuved college	f 10/Jun/22	1.45 pm to 2.30pm
1	5 Pharmacovigilence	Dr. Rajesh Wankhede	Professor,Department of Dravyagunvidnyan. SMBT Ayuved college	10/Jun/22	2.30pm to 3.15pr
1	6 Healthy Lifestyle	Dr. Vaishali Bhabad	Professor, Department of Swasthavritta SMBT Ayuved college	10/Jun/23	2 3.15pm to 4.15p
+	Feedback,Post Test an Certificate Distribution		Dr -	10/Jun/2	2 4.15 pm to 5pr

Course Coordinator- Dr Varsharani Niphade Dr Darshana Borkar Course Date- 06-06-2022 To 10-06-2022

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SR NO	Name of Participant	Pre test Marks	Result	Marks	Result
1	Dr Akshay Barai	5	FAIL	9	PASS
2	Dr Anjali Sahu	11	PASS	10	PASS
10.1	Dr Asavari Rayate	11	PASS	14	PASS
	Dr Gaurav Singh	10	PASS	14	PASS
	Dr Harshada Patil	10	PASS	13	PASS
6	Dr Harshada Phate	9	PASS	14	PASS
7	Dr Karishma Nevagi	13	PASS	14	PASS
8	Dr Krishna Mahale	8	PASS	11	PASS
9	Dr Manali Patil	7	PASS	10	PASS
10	Dr Meghana Borawake	8	PASS	10	PASS
	Dr Mohini Chaitwar	12	PASS	11	PASS
12	Dr Pooja Kholde	10	PASS	13	PASS
	Dr Pooja Sonkamble	11	PASS	13	PASS
21.222	Dr Pradnya Kambli	10	PASS	13	PASS
15	Dr Pratiksha Shirsat	12	PASS	14	PASS
16	Dr Reshma Pathan	13	PASS	13	PASS
17	Dr Rushali Thakur	10	PASS	11	PASS
18	Dr Rutuja Raut	11	PASS	10	PASS
	Dr Sachin Gwalani	11	PASS	15	PASS
	Dr Sayali Kewat	4	FAIL	7	PASS
	Dr Sayali Kulkarni	11	PASS	12	PASS
	Dr Sayali wagh	11	PASS	13	PASS
	Dr Shivam Tompe	11	PASS	15	PASS
	Dr Snehal Bombatkar	12	PASS	12	PASS
25	Dr Snehal Chaughule	9	PASS	13	PASS
26	Dr Snehal kawatwar	6	PASS	13	PASS
27	Dr Swapnil Kawanpure	10	PASS	14	PASS
	Dr Tanisha Shinde	10	PASS	13	PASS
29	Dr Tejashri Salve	8	PASS	11	PASS
	Dr Tejashri waghmare	8	PASS	11	PASS
	Dr Vaishnavi Shete	9	PASS	13	PAS
025040	Dr Yogesh Patil	13	PASS	14	PAS
	Dr Niti Rathour	ABSENT	ABSENT	9	PAS
	Dr Aasha Pawar	9	PASS	12	PAS
	Dr Arjun Katkar	ABSENT	ABSENT	15	PAS
	Dr Pooja Pagar	ABSENT	ABSENT	9	PAS
	Dr Karishma Jaiswal	ABSENT	ABSENT	8	PAS
	Dr Pratik Shau	ABSENT	ABSENT	10	PAS

B

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CURRICULAR SECRETORY

Principal S.M.B.T.Ayurved College & Hospital Nardi-Hills,Dhamangaon,Tallgatpuri,Dist.Nashik.

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## Ref No. 13/03/SOAB1/05/ HSET/L/CE/22-1.

Date: 6 +010 June, 2012

	GCP		HOP A	TENDA	NCE		,2011
Sr no	Name of Participant	Designation	06/06/2022	07/06/2022	08/06/2022	09/06/2022	10/06/2022
1	Dr Kayshing Neron	Pg 1 37	(flengs'	Keleron'	(cplenen!	KRlong'	celeva:
2	Dr. Asavari Rayate	PG 1st	Aloyah	payat	Alongat	1 Payate	Acupt
3	Dr. Harshoda Pati)	PQ	(ADH)	COLHI	Wat 1	adil	Wetil
4	Dr. Pooja Khode	PG1st	pkhet	PKheads.	PKhunt.	Pichart	pklands.
5	Dr. shrikoushna Mahale	PG.		Ab	AS	AL.	4.5
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7	Dr. AKS hay Barai	p'y'	A	pro	for	15t	A
8	Dro. Asy in Ketkoe	PG	ant	AN	and	Aht	ANT
9	Dr. Swapnil Kolwanpuse	pla	Se	Se	se	su	SK
10	Do. Produya Kambh	PG	B	B	B	B	R
- 11	Dr. Reshma Patham	ри	Cp.	(Pp	Pp.	(Pp.	PD:
12	Dr. Sayali Kened	PGI	82	Se .	SL.	k	Ry
13	Br. Snehal S Chougel	PG 1st	Songel	Stegen	Objer	Sherger	Freguer
14	Dr. Tejashos R. Haghmane	PG-1St	Pertino	Priet	Frand		<questo?< td=""></questo?<>
15	Dr. Vaishnavi G. Shete	PGIST	Shetelle	Shedelle	weter	Spickell	Thetell
16	Dr. Sayall. N. Wagh	PGISt	8 murph	Shurgh	Shurgh	Inurgh	Bhurgh
17	Dr. Mohini Chartenar	'pg 1st	msc.	6192	MSC	MSE	(MSC_
18	Dr. Dr. Busingh Gaurav P.	PGISt	Q.	Ģ.	0	Qr.	Q.
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20	Dr Tanisha Shinde	PGIST	think	Aunt	time	times	tung
21	Dr. Manall S. Patil	Ple 1st	mapais	mypails	mapril	many	materis
22	Dr Rutya. V. Raut	Pg 1st	Quality		Petryge	Pictujoe	Plotup 8
23	Dr. Snehal M. Kawatwar	PG Ist	Abustuar	Douctuck	Doutrose	Bustuck	Abustuck
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30	Dr. Sayali Kukarni	PGr.	frey his	Ab.	Ab	Ab.	fort-
31	Dr. Tompe shivan	Paiss	an	an	Qui	gin-	Eline.
32	Dr. Karishma Jaiswal	PGr.	Ab	Ab.	Kenny .	(find	Baret
33	Dr. Roopeshulari Rathore	pur.	Ab.	Ab	1253athour	Costathour	Reather
34	Dr. Meghana Bora Wake	Pcr.	Ab	Ab.	Baurt.	Stown.	Benk.



Workshop Coordinator





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Date: 6 to 10

# Ref No. 13103/SMBT/05/HSET/L/CE 22-1 GCP WORKSHOP ATTENDANCE

June 2022

Sr no	Name of Participant	Designation	06/06/2022	07/06/2022	08/06/2022	09/06/2022	10/06/2022
1.	Dr. Harshada Phate	Assit Part	Hasher	Hasher	Harnes.	Harry	Jestim
2.	Dr. Asha Paular	Lecturer	allery	- cfter	othery	Alert .	Alent
3 .	Dr. Rushali D. Thakur.	Ass. Bug (KC)	th:	th.	th	Ath.	th.
4.	Dr. Sachin P. Gurdan	Acro. Port	An	9	A	100	S
(B)	1010. EDDVADAK				1		
Sr:	Dr. Rushali D. Thakus. Dr. Sachin P. Gurdani Dr. Ash Pawar.	Lecturer	Menn				
5.	Dor snehal Bombalkar	ASSI. Prof	. Febal;	toha!	Sahal.	Febel:	Freher!
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Workshop Coordinator



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Date:6/06/20

## **GCP WORKSHOP FACULTY ATTENDANCE**

Srno	Name of Faculty	Designation	Department	Date	Sign
1)	Dr. Satish D. Urhe	Asso. Bof.	Panchakarma	06/06/22	Char
2)	Dr Vansharani Niphade	Asso-Drof	Kayachiku	1650 06122.	- Why
3>	Dr. Ankysh Gunjal	ASO-Poot	Kaychirits	17106/22	Ref
47	Dr. Vaishali Bhabad	Poof.	Swaltha	8 6 22	the
57	Dr. Jitesh Thakur.	Asd Prof.	Balrog	8 6 22.	Filmely
6)	Dro. Santosh Niphade	Asstprot	. Ras	8 6 22	Seather
7)	Dr. Kiran Mantei.	Poot.	Agadtanta	9 6 22.	Chorn.
85	Dr. Synita Bhusare	ASD. Prof.	Ras.	9 6 22	1900
3)	Dr. Rajesh Wankhede	Prot.	Drayyagus	9 6 22	Chanite
10)	Dr. Anushree Endait	ASSO Prof	Panchakarm	10 6 22.	
11>	Dr. Amol. Crube.	Asst Prof.	Kaydikita		ann
12)	Dr. Vinoya Bodake.	Asso. Prof.	Shalfatant	10 06/22.	8
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Workshop Coordinator