



SMBT Sevabhavi Trust's

# SMBT AYURVED COLLEGE AND HOSPITAL

Nandihills, Dhamangaon-Ghoti, Tal. Igatpuri, Nashik-422403 Ph. (02553) 282341  
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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.

Dr. Varsharani Chaudhari delivered first lecture of workshop "**Introduction to 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 billion 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. Purposeful, 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.

PRINCIPAL

Dr. Pradeep Bhabad.

**Principal**

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



**Basic Workshop in Research Methodology  
 Programme Schedule**

Venue & Organizer: **SMBT Ayurved College and Hospital,**  
 Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

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

S.N	Topic	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 Demo	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	Topic	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		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	03:30 pm to 05:00 pm





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## Basic Workshop in Research Methodology Programme Schedule

Venue & Organizer: **SMBT Ayurved College and Hospital,**  
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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





SMBT Ayurved Hospital Trust's  
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**BASIC WORKSHOP IN RESEARCH METHODOLOGY**  
**17 To 18 Jan 2018**

Sr.No.	NAME OF Faculty	17-Jan	18-Jan
1	Dr. Varsharani Chaudhari		
2	Dr. Shilpa Badhe		
3	Dr. Prashant Patil		
4	Dr. Ankush Gunjal		

Vd. Shilpa Badhe  
Co-ordinator Research Workshop

Vd. Pradeep Bhabad  
Principal  
**Principal**  
S.M.B.T. Ayurved College & Hospital  
Handi-Halk, Dhamangaon, Tal. Ujatpuri, Dist. Nashik.





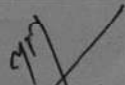
**BASIC WORKSHOP IN RESEARCH METHODOLOGY**

Date: 17/01/2018

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



Vd. Shilpa Badhe  
Co-ordinator Research Workshop



Vd. Pradeep Bhabad  
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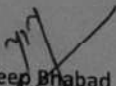
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Date: 18/01/2018

Sr.No.	NAME	1	2	3	4	5	6
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3	AUCHITE AMOL SUDAM	A	A	A	A	A	A
4	AWAL PRASHANT RAMESH	A	A	A	A	A	A
5	BHOIR PRACHI CHANDRASHEKHAR	P	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
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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	P	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	P	P	P	P	P	P
34	THORAT ANUSHRI MACHHINDRA	P	P	P	P	P	P
35	YADAV SHUBHAM BALAKNATH	A	A	A	A	A	A
36	YADAV SHUBHAM GAJANAN	A	A	A	A	A	A

  
Vd. Shilpa Badhe  
Co-ordinator Research Workshop

  
Vd. Pradeep Bhabad  
Principal

**Principal**

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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 D. Both A & B
7.	Harvard and Vancouver are the names for styles of A. questionnaires B. protocol writing C. reference citation D. sampling



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



16.	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
17.	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: 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 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 D: A static population
20.	In statistics, the word "Parameter" refers to A: The constant that describe population 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
22.	In clinical trial "Reference Population" is the population 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
23.	As per ICMR guidelines, the responsibility of screening of the research 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

24.	<p>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:</p> <p>A. World Health Organization: <a href="http://www.who.int/clinical">www.who.int/clinical</a> trials          B. Pubmed: <a href="http://www.ncbi.nlm.nih.gov/pubmed/clinical">www.ncbi.nlm.nih.gov/pubmed/clinical</a> trials          C: US National Institute of Health <a href="http://www.clinicaltrials.gov">www.clinicaltrials.gov</a>          D: Google: <a href="http://www.google.com/">www.google.com/</a> clinical trials</p>
25.	<p>Assigning alphabetical/ numerical identifiers to responses from respondents in a questionnaire is:</p> <p>A. Data editing          B. Data reduction          C. Data coding          D. Data embedding</p>
26.	<p>Triangulation is a method of</p> <p>A. Data collection          B. Data presentation          C. Data validation          D. Data analysis</p>
27.	<p>In clinical trial "Study Population" refers to the population</p> <p>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</p>
28.	<p>According to ICMR guidelines a new drug is defined as</p> <p>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 &amp; B          D. Neither A nor B</p>
29.	<p>A table in which first column represents labels (names) of groups and second column represents the number corresponding to each group is</p> <p>A: Simple table          B: Frequency distribution table          C: Master table          D: Two by two table</p>
30.	<p>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</p> <p>A: Descriptive study          B: Case control study          C: Cohort study          D: Experimental study</p>

  
HSET Coordinator



  
Principal  
Principal  
S.M.B.T. Ayurved College & Hospital  
Nandihills, Dhamangaon-Ghoti, Tal. Igatpuri, Nashik

# Basic Research Methodology Workshop PRE-TEST

\* Required

1. Name \*

---

2. Designation

---

3. Mobile No. \*

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4. 1. In the FINER criteria for assessing the research question "i" stands for \*

*Mark only one oval.*

- A. Innovative
- B. Interesting
- C. Inspiring
- D. Inclination

5. 2. The authority to whom permission for conducting a clinical is to be asked for in India is \*

*Mark only one oval.*

- A. Director, Indian Council of Medical Research
- B. Director General Health Services
- C. Drug Controller General of India
- D. Chairman, Medical Council of India

6. 3. Among the following types of studies which one can be a "Hypothesis generating study?" \*

*Mark only one oval.*

- A. Clinical trial
- B. Case control study
- C. Cohort study
- D. Cross sectional study

7. 4. Sampling frame is nothing but describing the \*

*Mark only one oval.*

- A. Sampling method
- B. Procedure of calculating sample size
- C. Population itself
- D. Inclusion & exclusion criteria



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  
 D. 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  
 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.

- 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.





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, the epidemiological study of first choice is \*

Mark only one oval.

- 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  
 D: 1 to 100

17. 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.

- A. Duplication  
 B. Triangulation  
 C. Confirmation  
 D. None of the above

19. 16. 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.

- A. 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  
 B: Heterogenous  
 C: Dynamic  
 D: 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  
 B. Ordinal  
 C. Interval  
 D. Ratio

22. 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.

- A: The constant that describe population characteristic.  
 B: The constant that describe sample's characteristic.  
 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  
 D. Legal expert in the group

27. 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.

- A. World Health Organization: [www.who.int/clinical trials](http://www.who.int/clinical%20trials)  
 B. Pubmed: [www.ncbi.nlm.nih.gov/pubmed/clinical trials](http://www.ncbi.nlm.nih.gov/pubmed/clinical%20trials)  
 C. US National Institute of Health [www.clinicaltrials.gov](http://www.clinicaltrials.gov)  
 D. Google: [www.google.com/](http://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.

- 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  
 D: Two by two table

33. 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.

- A: Descriptive study  
 B: Case control study  
 C: Cohort study  
 D: Experimental study

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16/03/2018

**CIRCULAR**

- 1) 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
- 3) 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.



Principal

SMBT Ayurved Hospital  
SMBT Ayurved College & Hospital  
Nandihills, Dharamgaon, Igatpur, Dist. Nashik



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Date- 27/03/2018

### METHODOLOGY OF 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 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. Varsharani 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.





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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. **FINER** Called as FINER 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.

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**

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

**Principal**

**Principal**  
**Dr. Prashant Patil**  
S.M.B.T. Ayurved College & Hospital  
Nandhills, Dhamangaon, Tal. Igatpuri, 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: 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	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
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-(25-03-2018)							
Sr No	Name Of Student	1	2	3	4	5	6
		SESSION	SESSION	SESSION	SESSION	SESSION	SESSION
1	AHER DHANASHREE VASANTRAO	P	P	P	P	P	P
2	AHER KOMAL RAJEEV	P	P	P	P	P	P
3	AHIRE RUTUJA SANJAY	P	P	P	P	P	P
4	BHADANE SHRUTI BHASKAR	P	P	P	P	P	P
5	BHAGWAT MONALI KAILAS	P	P	P	P	P	P
6	BHERE SHITAL BALKRISHANA	P	P	P	P	P	P
7	BHOIR ASHWINI ULHAS	P	P	P	P	P	P
8	BHOIR KOMAL MANOHAR	P	P	P	P	P	P
9	BOLLAY JASWINDER KAUR KARNAIL SINGH	P	P	P	P	P	P
10	DANDAWATE AYUSH RAJENDRA	P	P	P	P	P	P
11	DESALE NILESH VILAS	P	P	P	P	P	P
12	DESALE VIPUL SANTOSH	P	P	P	P	P	P
13	DHIKALE GHANSHAM ASHOK	P	P	P	P	P	P
14	DHOLE RHUTUJA SANTOSH	P	P	P	P	P	P
15	DOIFODE SHUBHANGI SANJAY	P	P	P	P	P	P
16	GADGE AISHWARYA DIPAK	P	P	P	P	P	P
17	GAIKWAD MANASI DILIP	P	P	P	P	P	P
18	GHARAT DIVYA DHANAJI	P	P	P	P	P	P
19	HALDE SWATI TRAMBAK	A	A	A	P	P	P
20	JAGALE SNEHA NITIN	P	P	P	P	P	P
21	JAIN MOHIT SUNIL	P	P	P	P	P	P
22	JAMDAR MAYURI VASANTRAO	P	P	P	P	P	P
23	JAYKAR PRAJAKTA EKNATH	P	P	P	P	P	P
24	JHA SWETAKUMARI JEETENDRA	P	P	P	P	P	P
25	KADAM BHAKTI ANIL	P	P	P	P	P	P
26	KADUSKAR RUTUJA DAGADU	P	P	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	P	P	P	P
30	KHATKE CHIRAG SURESH	P	P	P	P	P	P

Course Coordinator

HOD & PROFESSOR  
 Dept. of Shalyatantra  
 SMT Ayurved College & Hospital  
 Dharamangaon, Jalgaonpuri, Dist. Nashik





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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 speciality 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. Varsharani 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 & PROFESSOR**

Dept. of Shafyatanttra

SMBT Ayurved College & Hospital  
Dhamangaon, Tal. Igatpuri, Dist. Nashik.

**Principal**

Dr. Pradeep Bhabad.





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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
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-A-(25-03-2018)**

Sr No	Name Of Student	session 1	session 2	session 3	session 4	session 5	session 6
1	AVHAD RIDDHI RAMDAS	P	P	P	P	P	P
2	CHAUDHARI APEKSHA RAMDAS	P	P	P	P	P	P
3	DEORE SNEHA RAJENDRA	P	P	P	P	P	P
4	DHAWALE DNYANDIPA SURESH	P	P	P	P	P	P
5	FAROOQUI UZRA RAIS	P	P	P	P	P	P
6	GAGARE SHIVANI SOPAN	P	P	P	P	P	P
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	P	P	P	P	P
10	JADHAV SNEHAL SHRIKANT	A	P	P	A	P	P
11	KADAM ADITI ANIL	P	P	P	P	P	P
12	KHABIYA PRANJAL SANJAY	P	P	P	P	P	P
13	MHALSANE SONALI BALASAHEB	P	P	P	P	P	P
14	MIRKUTE VIDHI SHYAM	P	P	P	P	P	P
15	MITHE ROSHANI RAJENDRA	P	P	P	P	P	P
16	MUTADAK SAYALI SANJEEV	P	P	P	P	P	P
17	NAGARE SONAL RAJENDRA	P	P	P	P	P	P
18	NEVAGI KARISHMA RUKMANAND	P	P	P	P	P	P
19	NIKAM RUTUJA UDAY	P	P	P	P	P	P
20	PAGAR ANUJA NANA	P	P	P	P	P	P
21	PAGAR PRATIBHA CHANDRABHAN	A	A	A	A	A	A
22	PASHTE KETAKI VISHNU	P	P	P	P	P	P
23	PATHAK SUPRIYA SHIVPUJAN	P	P	P	P	P	P
24	PATHAN RESHAMA FIROJ	P	P	P	P	P	P
25	PATIL ANKITA VILAS	P	P	P	P	P	P
26	PATIL ASHWINI HARICHANDRA	P	P	P	P	P	P
27	PATIL HARSHALI KAILASH	P	P	P	P	P	P
28	PATIL KIRTI KASHINATH	P	P	P	P	P	P
29	PATIL MAHESH VIJAY	P	P	P	P	P	P
30	PATIL SHRIPAD BHAGWANTRAO	P	P	P	P	P	P



**Course Coordinator**  
**HOD & PROFESSOR**  
 Dept. of Shalyatantra  
 SMT Ayurved College & Hospital  
 Dharamgaon, Tal. Ayatpuri, Dist. Nashik.



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## SMBT AYURVED COLLEGE AND HOSPITAL

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Date- 27/03/2018

### 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.

**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.





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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 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.  
MD & PROFESSOR  
Dept. of Chikitsantre  
SMBT Ayurved College & Hospital  
Dhamangaon, Igatpuri, Dist. Nashik.

Principal

Dr. Pradeep Bhabad.





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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

3<sup>rd</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: 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. Shilpa Badhe	09:15 am to 10:45 am
4	L-3: Inferential statistics	Lecture	60	Dr. Prashant Patil	10:45 am 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	Shalyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik



**Attendance for Research Methodology Workshop Third Year  
Batch-A-(25-03-2018)**

Sr No	Name Of Student	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6
1	KUNDE AARTI HARIBHAU	P	P	P	P	P	P
2	KURHE MAITHILI SHRIRAM	P	P	P	P	P	P
3	MURBADE DHANESH PUNDLIK	P	P	P	P	P	P
4	PANDAV SHIVANI ULHAS	P	P	P	P	P	P
5	PATIL HARSHADA RAVINDRA	P	P	P	P	P	P
6	PATIL OMKAR JAGANNATH	P	P	P	P	P	P
7	PATIL SARIKA BALARAM	P	P	P	P	P	P
8	PAWAR PRATISHTHA BALASAHEB	P	P	P	P	P	P
9	PEHARKAR NAVNATH BALU	P	P	P	P	P	P
10	RATHOD VIKRAMSINGH JABBARSINGH	P	P	P	P	P	P
11	RAYATE ASAVARI DAULAT	P	P	P	P	P	P
12	SALAVE VAIBHAVI VILAS	A	A	A	A	A	A
13	SAWANT LEKHA DNYANDEO	P	P	P	P	P	P
14	SHELKE JOSTANA JAGDISH	P	P	P	P	P	P
15	SHINDE UTKARSHA VIJAY	P	P	P	P	P	P
16	SONAWANE PIYUSH POPATRAO	P	P	P	P	P	P
17	THORAT ANUSHRI MACHHINDRA	P	P	P	P	P	P
18	YADAV SHUBHAM BALAKNATH	P	P	P	P	P	P
19	YADAV SHUBHAM GAJANAN	P	P	P	P	P	P
20	Pawar Prashant Rajendra	P	P	P	P	P	P
21	Andhale Swati Sitaram	P	P	P	P	P	P
22	Babare Akkansa Deepak	P	P	P	P	P	P
23	Baviskar Pavan Ravindra	P	P	P	P	P	P
24	Bawaskar Priyanka Sangam	P	P	P	P	P	P
25	Bhandare Priyanka Anil	P	P	P	P	P	P
26	Bhatti Paramjitkaur Surandrasing	P	P	P	P	P	P
27	Borhade Supriya Ashok	P	P	P	P	P	P
28	Borkar Pranita Sakham	P	P	P	P	P	P
29	Chaudhary Jasbir Ramesh	P	P	P	P	P	P
30	Darkunde Rushikesh Subhashrao	P	P	P	P	P	P



*(Signature)*

**Course Coordinator**  
 Dr. Anurag Patil  
 SMART Ayurved College & Hospital  
 Dept. of Shasthana  
**HOD & PROFESSOR**





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Date- 04/04/2018

### BASIC RESEARCH METHODOLOGY WORKSHOP REPORT

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
- 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 FINER 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.

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  
Dhamangaon, Tal. Igatpuri, Dist. Nashik.



**Principal**

**Dr. Prashant Patil**  
Dhamangaon  
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

Venue & Organizer: **SMBT Ayurved College and Hospital,**  
Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

Date: 01/04/2018

1<sup>st</sup> year BAMS (B 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: 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
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	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6
1	KSHIRSAGAR PRADNYA KALYANRAO	P	P	P	P	P	P
2	MEHETRE ROHAN SUNIL	P	P	P	P	P	P
3	MORE VIJAY ARJUN	P	P	P	P	P	P
4	MUTADAK PRAJAKTA GOKUL	P	P	P	P	P	P
5	NAIK KRUPA NILESH	P	P	P	P	P	P
6	NARAWADE ARTI APPASAHEB	P	P	P	P	P	P
7	NIKAM SNEHA DHANANJAY	P	P	P	P	P	P
8	OMASE VIDYA GOVIND	P	P	P	P	P	P
9	PAL NANDANI HARISHCHANDRA	P	P	P	P	P	P
10	PARIKH BHAVYA KIRAN	P	P	P	P	P	P
11	PATIL DHANASHRI RAVINDRA	P	P	P	P	P	P
12	PATIL PRAJAKTA AJAY	P	P	P	P	P	P
13	PATIL PRAJAKTA RAMCHANDRA	P	P	P	P	P	P
14	PATIL PRIYADARSHANI SUBHASH	P	P	P	P	P	P
15	PAWAR RENU SUHAS	P	P	P	P	P	P
16	PHANSE DHANANJAY BABASAHEB	P	P	P	P	P	P
17	SAKHARE AKANKSHA SURENDRA	P	P	P	P	P	P
18	SAPKAL NIKITA BHAGWAN	P	P	P	P	P	P
19	SHAH SALONI PAWAN	P	P	P	P	P	P
20	SHARMA SWAPNIL NAGESH	P	P	P	P	P	P
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	P
24	THAKUR MANSI BHAGVAN	P	P	P	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	P
28	USHIRE DIPALI GANGARAM	P	P	P	P	P	P
29	VARPE VIDYA BABAJI	A	A	A	A	A	A
30	VIGHNE RUPALI BALKRUSHNA	P	P	P	P	P	P



  
**HOD & PROFESSOR**  
**Course Coordinator**  
 Dept. of Anayatantra  
 SM&T Ayurved College & Hospital  
 Dharmangan, Tal. Jalgaon, Dist. Mastik.





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Date- 2/04/2018

### BASIC RESEARCH METHODOLOGY WORKSHOP REPORT

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.

**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 '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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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. Varsharani 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 & PROFESSOR**  
Dept. of Shalyatantra  
SMBT Ayurved College & Hospital  
Dhamangaon, Tal. Igatpuri, Dist. Nashik,

**Principal**

Dr. Pradeep Bhabad.





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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: 01/04/2018

2<sup>nd</sup> year BAMS (B 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
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 Stirog	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  
**B-(01-04-2018)**

Sr No	Name Of Student	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6
1	PAWALI DIKSHA RAMDAS	P	P	P	P	P	P
2	PAWAR NIVEDITA SUDHAKAR	P	P	P	P	P	P
3	RATHOD SAYALI SAHEBRAO	P	P	P	P	P	P
4	RATHOD SONALI SAHEBRAO	P	P	P	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	P	P	P	P
8	SONAWANE PRATIKSHA RAJENDRA	P	P	P	P	P	P
9	TIWARI ANIKET RAJENDRAKUMAR	P	P	P	P	P	P
10	UGALMUGALE POOJA NIVRUTTI	P	P	P	P	P	P
11	VADAK SAMRUDDHI REVANNATH	P	P	P	P	P	P
12	WAGH SAYALI NARENDRA	P	P	P	P	P	P
13	WAJE SAYALI AMBADAS	P	P	P	P	P	P
14	ALAM SWATI PANDHARINATH	P	P	P	P	P	P
15	ANDADE AARTI GIRISH	P	P	P	P	P	P
16	AUCHITE AMOL SUDAM	P	P	P	P	P	P
17	AWAL PRASHANT RAMESH	P	P	P	P	P	P
18	BHOIR PRACHI CHANDRASHEKHAR	P	P	P	P	P	P
19	BHUSAL MAYURI BABANRAO	P	P	P	P	P	P
20	CHURI SUPRIYA RAJENDRA	P	P	P	P	P	P
21	GADAKH YOGESH SUKDEV	P	P	P	P	P	P
22	GADHAVE MAYURESH DATTATRAY	A	P	P	P	P	A
23	GANGURDE SWAPNALI SHRIDHAR	P	P	P	P	P	P
24	GHODVINDE POOJA VIJAY	P	P	P	P	P	P
25	GHORPADE SONALI SAMPAT	P	P	P	P	P	P
26	GHUDE DEVYANI MADHUKAR	P	P	P	P	P	P
27	GODASE PRANAY MARUTI	P	P	P	P	P	P
28	JADHAV SHITAL PARASRAM	P	P	P	P	P	P
29	JAYBHAYE PRIYANKA RAMCHANDRA	P	P	P	P	P	P
30	KENE NIKITA MOHAN	P	P	P	P	P	P



*[Handwritten Signature]*

**Course Coordinator**  
 Dept. of Shalyatantra  
 S.M.E.T Ayurved College & Hospital  
 Dharamgaon, Tal. Igatpuri, Dist. Nashik.



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Date- 2/04/2018

### BASIC RESEARCH METHODOLOGY WORKSHOP REPORT

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.

**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.

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  
Dept. of Shalyatantra  
SMBT Ayurved College & Hospital  
Dhamangaon, Tal. Igarpuri, Dist. Nashik.

Principal

Dr. Pradeep Bhabad.  
Principal  
S.M.B.T. Ayurved College & Hospital  
Dhamangaon, Tal. Igarpuri, 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: 01/04/2018

3<sup>rd</sup> year BAMS (8 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: 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. Shipia 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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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	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6
1	Deore Chaitali Sardar	P	P	P	P	P	P
2	Devre Snehal Nimba	P	P	P	P	P	P
3	Jadhav Jayraj Jagdish	P	P	P	P	P	P
4	Kakate Chaitali Dnyaneshwar	P	P	P	P	P	P
5	Kapare Akshay Rohidas	P	P	P	P	P	P
6	Kokate Poonam Sudhakar	P	P	P	P	P	P
7	Nandagawli Padminya Bhauroo	P	P	P	P	P	P
8	Narode Jayshree Shobhachand	P	P	P	P	P	P
9	Panpatil Priyanka Tukaram	P	P	P	P	P	P
10	Patil Dhananjay Shriram	P	P	P	P	P	P
11	Patil Sharayu Sunil	P	P	P	P	P	P
12	Patil Tejaswini Ambadas	P	P	P	P	P	P
13	Pawar Chetan Devidas	P	P	P	P	P	P
14	Rathod Rupali Hiraman	P	P	P	P	P	P
15	Selunke Prajakta Kiran	P	P	P	P	P	P
16	Singh Preeti Kunwar	P	P	P	P	P	P
17	Siraskar Supriya Chandrakant	P	P	P	P	P	P
18	Suryawanshi Subhash Namdeo	P	P	P	P	P	P
19	Thorat Prajakta Navnath	P	P	P	P	P	P
20	Walzade Kanchan Anil	P	P	P	P	P	P



**HOD & PROFESSOR**  
**Course Coordinator**  
Dep. of Shalyastantra  
SMBT Ayurved College & Hospital  
Chamanganon, Tal. Jagatpuri, Dist. Nashik.





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Affiliated 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 - Department of Community Medicines, SMBT Medical College, Nashik
6. Dr. Sanjay Khedekar :- Associate Professor - Department 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
10. 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



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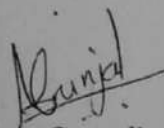
## Details:

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 IMETTT.

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

☎ 7359117691

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PRINCIPAL

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**Principal**

S.M.B.T. Ayurved College & Hospital

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



**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	Group Activity-1: Participants will be divided into 4 -5 groups. <ul style="list-style-type: none"> <li>Each group will discuss among itself and come out with at-least 2 research questions and related hypothesis</li> <li>Indicate why the topic was selected by the group over other topic</li> <li>Indicate the type of study with reasons thereof</li> <li>Indicate dependent and independent variables included in the study</li> </ul> (Tea may be served during group activity)	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
10	L-6: Literature search	Lecture	45	Dr. Rutuja Pundakar	04:15 pm to 05:00 pm



**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	Topic	Method	Time (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 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	Group Activity-3: Participants will divide into groups as in GA-1. Each group will discuss and present <ul style="list-style-type: none"> <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	Tea		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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 Email: principal.ayurved@smbt.edu.in | smbteyurved@gmail.com | www.smbt.edu.in

**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 THREE - Date: 01/08/2018, Wednesday.**

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	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.)	Group activity	75	Dr. Sanjay Khedekar	01:45 pm to 03:00 pm
8	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 Valodictory				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. Parshuram Pawar**:- (Shree Saptashrunji Ayurved Mahavidyalay& Hospital, Nashik)
- Dr. Rakesh Patil**:- Dr. Vasantao Pawar Medical College, Hospital research Center, Nashik.
- Dr. Vaibhav Phartale** :- (Shree Saptashrunji Ayurved Mahavidyalay& Hospital, Nashik)
- Dr. Kiran Shinde** :- (Shree Saptashrunji Ayurved Mahavidyalay& Hospital, Nashik)





Attendance

SR. NO.	NAME OF CANDIDATES	Date 30/07/2018		Date 31/07/2018		Date 01/08/2018	
		Signs		Signs		Signs	
		Morning	Evening	Morning	Evening	Morning	Evening
1	AKASH BALUSING PARADESHI						
2	ANIKET SHAM AMBEKAR						
3	ANKITA DADABHAI SHIRSATH	Ashwath	Ashwath	Ashwath	Ashwath	Ashwath	Ashwath
4	ANKITA KISHOR POWLE	Sulista	Sulista	Sulista	Sulista	Sulista	Sulista
5	BHAVANA YOGESH GANGURDE	Chavanay	Chavanay	Chavanay	Chavanay	Chavanay	Chavanay
6	AVDHUT PRADIP AHER	Ardhut	Ardhut	Ardhut	Ardhut	Ardhut	Ardhut
7	BHAVANA SUMIT DANDE	Balande	Balande	Balande	Balande	Balande	Balande
8	DIVYA PRAKASH PAWAR	Jawal	Jawal	Jawal	Jawal	Jawal	Jawal
9	KAJAL TUSHAR FIRKE	Vhale	Vhale	Vhale	Vhale	Vhale	Vhale
10	KALPANA KUNDALIK GOLEY						
11	KARAN GOPINATH PATOLE	Karapur	Karapur	Karapur	Karapur	Karapur	Karapur
12	KARUNA PRASAD PENTEWAD	Patward	Patward	Patward	Patward	Patward	Patward
13	KETAKI PRAVIN DESHMUKH	Ketki	Ketki	Ketki	Ketki	Ketki	Ketki
14	LOKESH HIRALAL PATANKAR	Shantkar	Shantkar	Shantkar	Shantkar	Shantkar	Shantkar
15	MADHAVI GOVERDHANDAS BHADECH	Mhadde	Mhadde	Mhadde	Mhadde	Mhadde	Mhadde
16	MANJIRI DINESH MOHITE	M.p.Mohite	M.p.Mohite	M.p.Mohite	M.p.Mohite	M.p.Mohite	M.p.Mohite
17	MAYUR ANKUSH KHAPARE						
18	MAYURI BALASAHEB PAWAR	Mwas	Mwas	Mwas	Mwas	Mwas	Mwas
19	MAYURI RAMDAS AVHAD						
20	MAYURI SHIVAJIRAO PATWARI	Patwar	Patwar	Patwar	Patwar	Patwar	Patwar
21	NARENDRA PRAFULLA RAKA	elaka	elaka	elaka	elaka	elaka	elaka
22	NARENDRA RATAN AHIRE	Ahira	Ahira	Ahira	Ahira	Ahira	Ahira
23	NIKUNJ PRADIP GUJRATHI	Nisipr	Nisipr	Nisipr	Nisipr	Nisipr	Nisipr
24	ONKAR SURYAKANT JADHAV						
25	PALLAVI SANJAY AMBEKAR	Ambekar	Ambekar	Ambekar	Ambekar	Ambekar	Ambekar
26	PANKAJ ASHOK SONGIRE						

NAME OF CANDIDATES	Date 30/07/2018		Date 31/07/2018		Date 01/08/2018	
	Signs		Signs		Signs	
	Morning	Evening	Morning	Evening	Morning	Evening
7 POOJA MOHAN BAVASKAR	<u>MB</u>	<u>MB</u>	<u>MB</u>	<u>MB</u>	<u>MB</u>	<u>MB</u>
28 PRASHANT RAMESHWARRAO DANDAGE	<u>Prsh</u>	<u>Prsh</u>	<u>Prsh</u>	<u>Prsh</u>	<u>Prsh</u>	<u>Prsh</u>
29 PRITI DINKAR RINDHE	<u>Pindhe</u>	<u>Pindhe</u>	<u>Pindhe</u>	<u>Pindhe</u>	<u>Pindhe</u>	<u>Pindhe</u>
30 PRITI RAMDASJI WANKHEDE	<u>Pwankh</u>	<u>Pwankh</u>	<u>Pwankh</u>	<u>Pwankh</u>	<u>Pwankh</u>	<u>Pwankh</u>
31 PRITILATA RAMESH TALE	<u>Prtil</u>	<u>Prtil</u>	<u>Prtil</u>	<u>Prtil</u>	<u>Prtil</u>	<u>Prtil</u>
32 PRIYANKA PANJABRAO TEKALE	<u>Ptekal</u>	<u>Ptekal</u>	<u>Ptekal</u>	<u>Ptekal</u>	<u>Ptekal</u>	<u>Ptekal</u>
33 PRIYANKA PRAVIN KHARAVALKAR	<u>PK</u>	<u>PK</u>	<u>PK</u>	<u>PK</u>	<u>PK</u>	<u>PK</u>
34 PRIYANKA RAJESHWARRAO UKHALIKAR	<u>Pukhalik</u>	<u>Pukhalik</u>	<u>Pukhalik</u>	<u>Pukhalik</u>	<u>Pukhalik</u>	<u>Pukhalik</u>
35 RUPALI RAJESH UKHALIKAR	<u>Rukhalik</u>	<u>Rukhalik</u>	<u>Rukhalik</u>	<u>Rukhalik</u>	<u>Rukhalik</u>	<u>Rukhalik</u>
26 RASIKA RAVINDRA NIRBHAWNE	<u>RN</u>	<u>RN</u>	<u>RN</u>	<u>RN</u>	<u>RN</u>	<u>RN</u>
37 RAVINDRA SHIVAJI PHADOL	<u>Rshadol</u>	<u>Rshadol</u>	<u>Rshadol</u>	<u>Rshadol</u>	<u>Rshadol</u>	<u>Rshadol</u>
38 RUPALI B. VAYAL	<u>Rvayal</u>	<u>Rvayal</u>	<u>Rvayal</u>	<u>Rvayal</u>	<u>Rvayal</u>	<u>Rvayal</u>
39 SANJAY WASUDEO SHARMA	<u>Ssharma</u>	<u>Ssharma</u>	<u>Ssharma</u>	<u>Ssharma</u>	<u>Ssharma</u>	<u>Ssharma</u>
40 SEEMA NARAYAN PAIKRAO	<u>Seems</u>	<u>Seems</u>	<u>Seems</u>	<u>Seems</u>	<u>Seems</u>	<u>Seems</u>
41 SHRADDHA PRABHAKAR INGLE	<u>Singale</u>	<u>Singale</u>	<u>Singale</u>	<u>Singale</u>	<u>Singale</u>	<u>Singale</u>
42 SUNITA PARMESHWAR BHUSARE	<u>Sbhusare</u>	<u>Sbhusare</u>	<u>Sbhusare</u>	<u>Sbhusare</u>	<u>Sbhusare</u>	<u>Sbhusare</u>
43 SUPRABHA SHARAD KARWA	<u>Skarwa</u>	<u>Skarwa</u>	<u>Skarwa</u>	<u>Skarwa</u>	<u>Skarwa</u>	<u>Skarwa</u>
44 TEJAS JAYPAL KALJAM	<u>TJK</u>	<u>TJK</u>	<u>TJK</u>	<u>TJK</u>	<u>TJK</u>	<u>TJK</u>
45 TEJAS SHIVAJI DATE	<u>Tdate</u>	<u>Tdate</u>	<u>Tdate</u>	<u>Tdate</u>	<u>Tdate</u>	<u>Tdate</u>
46 TUSHAR DILIP SURYAWANSHI	<u>Tsurya</u>	<u>Tsurya</u>	<u>Tsurya</u>	<u>Tsurya</u>	<u>Tsurya</u>	<u>Tsurya</u>
47 VARSHARANI ARJUN CHAUDHARI	<u>Vchudhari</u>	<u>Vchudhari</u>	<u>Vchudhari</u>	<u>Vchudhari</u>	<u>Vchudhari</u>	<u>Vchudhari</u>
48 VINOD NARAYAN KARALE	<u>Vkarale</u>	<u>Vkarale</u>	<u>Vkarale</u>	<u>Vkarale</u>	<u>Vkarale</u>	<u>Vkarale</u>
49 VISHAL MADHUKAR KHANDRE	<u>Vkhandre</u>	<u>Vkhandre</u>	<u>Vkhandre</u>	<u>Vkhandre</u>	<u>Vkhandre</u>	<u>Vkhandre</u>
50 YOGESH SHIVRAM MOHATE	<u>Ymohate</u>	<u>Ymohate</u>	<u>Ymohate</u>	<u>Ymohate</u>	<u>Ymohate</u>	<u>Ymohate</u>

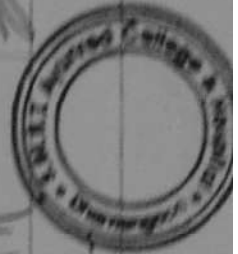
Arunjal  
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 Vd. Anikush Gunjal  
 smbtayurved@gmail.com



7/4  
**Principal**  
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SMBT Ayurved College & Post Graduate Centre, Dharamangon, Nashik  
 Basic Workshop in Research Methodology 30<sup>th</sup> July, 31<sup>st</sup> July, 01<sup>st</sup> Aug 2018  
 Faculty Attendance

Sr. No.	Faculty Name	Date: 30 <sup>th</sup> July 2018 Sign	Date: 31 <sup>st</sup> July 2018 Sign	Date: 01 <sup>st</sup> Aug 2018 Sign
01	Dr. Aashish Bangiwar		-	-
02	Dr. Amit Geyarathi			-
03	Dr. Manasi Padhyegujar			
04	Dr. Vaibhav Phartale		-	-
05	Dr. Kiran shinde		-	-
06	Dr. Rutuja Pundkar		-	-
07	Dr. Parshuram Pawar	-		
08	Dr. Triveni Kale	-		-
09	Dr. Shekhar Padhyegujar	-		
10	Dr. Sanjay Khetkar	-		
11	Dr. Rakesh Pabli	-		

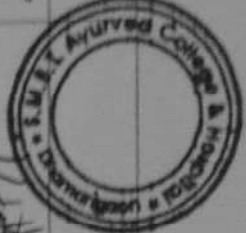


WORKSHOP CO-ORDINATOR  
 Vd. Ankush Gaurjal

Principal  
 SMBT Ayurved College & Post Graduate Centre  
 Nashik-42, Dharamangon, Nashik-422001

**SMBT Ayurved College & Post Graduate Centre, Dhamangaon, Nashik**  
**Basic Workshop in Research Methodology 30<sup>th</sup> July, 31<sup>st</sup> July, 01<sup>st</sup> Aug 2018**  
**Faculty Attendance**

Sr.No.	Faculty Name	Date: 30 <sup>th</sup> July 2018 Sign	Date: 31 <sup>st</sup> July 2018 Sign	Date: 01 <sup>st</sup> Aug 2018 Sign
01	Dr. Aashish Bangiwar		—	—
02	Dr. Amit Gujarathi			—
03	Dr. Mandasi Padhyegujar			
04	Dr. Vaibhav Phartale		—	—
05	Dr. Kiran Shinde		—	—
06	Dr. Rutuja Fundkar		—	—
07	Dr. Parshuram Pawar	—		
08	Dr. Triveni Kale	—		—
09	Dr. Shekhar Padhyegujar	—		
10	Dr. Sanjay Khedekar	—		
11	Dr. Rakesh Patil	—		



WORKSHOP CO-ORDINATOR  
 Vd. Anilash Gunki

Principal  
 SMBT Ayurved College & Post Graduate Centre  
 Dhamangaon, Nashik



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22/03/2019

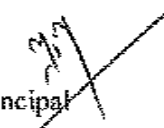
**CIRCULAR**

- 1) 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
- 3) 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.



  
Principal

SMBT Ayurved College & Hospital

**Principal**  
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Nandihills, Dhamangan, Tal. Igatpuri, Dist. Nashik.



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## SMBT AYURVED COLLEGE AND HOSPITAL

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Date- 3/04/2019

### REPORT ON WORKSHOP ON 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 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. Varsharani 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.







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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 FINER 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.

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 **Bulcaon** 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  
Dhamangaon, Igatpuri, Dist. Nashik.

**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**

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	60	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 Stirog	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	session 1	session 2	session 3	session 4	session 5	session 6
1	ANSARI TANVEER AHMED MOHD AYYUB	P	P	P	P	P	P
2	BADODKAR SAVYASACHI SANJAY	P	P	P	P	P	P
3	BARTAKKE DURVA AJIT	P	P	P	P	P	P
4	BELKADE DHANASHREE PRAKASH	P	P	P	P	P	P
5	BHAGAT YASH PRABHAKAR	P	P	P	P	P	P
6	BHARATI JAYPRAKASH MAROTI	P	P	P	P	P	P
7	BHOIR DHANASHRI VASUDEV	P	P	P	P	P	P
8	BHONE AYUSHA PRAMOD	P	P	P	P	P	P
9	BHUJBAL NEHA JAGANNATH	P	P	P	P	P	P
10	BODKE PARAG RAJENDRA	P	P	P	P	P	P
11	CHATE SHRADDHA DEVIDAS	P	P	P	P	P	P
12	CHAUDHARI SHAMIKA NITIN	P	P	P	P	P	P
13	CHAVHAN SHRADDHA DILIP	P	P	P	P	P	P
14	CHOUDHARY SAMRUDHI ASHOK	A	P	P	P	A	A
16	CHOURE SUMATI VASANTRAO	P	P	P	P	P	P
16	DESHMUKH MRUNMAYEE DIWAKAR	P	P	P	P	P	P
17	DHANWADE PRATIKSHA SAMBHAJI	P	P	P	P	P	P
18	DHUMAL VISWAJEET VIJAYKUMAR	P	P	P	P	P	P
19	DIVEKAR GAYATRI PRASAD	P	P	P	P	P	P
20	HANKARE PRANJALI SUDHAKAR	P	P	P	P	P	P
21	HARNE PREETI YOGESH	P	P	P	P	P	P
22	HIRAVE BHAGYASHREE SUKHADEV	P	P	P	P	P	P
23	INGLE KOMAL ANIL	P	P	P	P	P	P
24	INGLE SHRIDHAR DATTA	P	P	P	P	P	P
25	JEUGHALE NIKHIL VASANT	P	P	P	P	P	P
26	KAJALE NIKHILKUMAR VISHNUDAS	P	P	P	P	P	P
27	KATHER PRAJWAL BAJIRAO	P	P	P	P	P	P
28	KENDRE VIVEK VINAYAK	P	P	P	P	P	P
29	KHAN MOHAMMAD IZAN MAHEFUJ	P	P	P	P	P	P
30	KHANDEKAR SHAMA SHARAD	P	P	P	P	P	P



Course Coordinator



SMBT Sevabhavi Trust's

## SMBT AYURVED COLLEGE AND HOSPITAL

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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>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.





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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 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**  
 Dept. of Shalyatantra  
 SMBT Ayurved College & Hospital  
 Dhamangaon, Igatpuri, Dist. Nashik.

**Principal**

**Dr. Pradeep Bhabad.**  
**Principal**  
 S.M.B.T. Ayurved College & 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

3<sup>rd</sup> year BAMS (A 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. Shilpa 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	Shalyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik



**Attendance for Research Methodology Workshop Third Year  
Batch-A-(31-03-2019)**

Sr No	Name Of Student	Session	Session	Session	Session	Session	Session
		1	2	3	4	5	6
1	AVHAD RIDDHI RAMDAS	P	P	P	P	P	P
2	CHAUDHARI APEKSHA RAMDAS	P	P	P	P	P	P
3	DEORE SNEHA RAJENDRA	P	P	P	P	P	P
4	DHAWALE DNYANDIPA SURESH	P	P	P	P	P	P
5	FAROOQUI UZRA RAIS	P	P	P	P	P	P
6	GAGARE SHIVANI SOPAN	P	P	P	P	P	P
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	P	P	P	P	P
10	JADHAV SNEHAL SHRIKANT	P	P	P	P	P	P
11	KADAM ADITI ANIL	P	P	P	P	P	P
12	KHABIYA PRANJAL SANJAY	A	A	A	A	A	A
13	MHALSANE SONALI BALASAHEB	P	P	P	P	P	P
14	MIRKUTE VIDHI SHYAM	P	P	P	P	P	P
15	MITHE ROSHANI RAJENDRA	P	P	P	P	P	P
16	MUTADAK SAYALI SANJEEV	P	P	P	P	P	P
17	NAGARE SONAL RAJENDRA	P	P	P	P	P	P
18	NEVAGI KARISHMA RUKMANAND	P	P	P	P	P	P
19	NIKAM RUTUJA UDAY	P	P	P	P	P	P
20	PAGAR ANUJA NANA	P	P	P	P	P	P
21	PAGAR PRATIBHA CHANDRABHAN	P	P	P	P	P	P
22	PASHTE KETAKI VISHNU	P	P	P	P	P	P
23	PATHAK SUPRIYA SHIVPUJAN	P	P	P	P	P	P
24	PATHAN RESHAMA FIROJ	P	P	P	P	P	P
25	PATIL ANKITA VILAS	P	P	P	P	P	P
26	PATIL ASHWINI HARICHANDRA	P	P	P	P	P	P
27	PATIL HARSHALI KAILASH	P	P	P	P	P	P
28	PATIL KIRTI KASHINATH	P	P	P	P	P	P
29	PATIL MAHESH VIJAY	P	P	P	P	P	P
30	PATIL SHRIPAD BHAGWANTRAO	P	P	P	P	P	P



*[Handwritten Signature]*

**Course Coordinator**  
**HOD & PROFESSOR**  
 Dept. of Shalyatantra  
 S.M.B.T. Ayurved College & Hospital  
 Dharamangon, Tal. Jagtouni, Dist. 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 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,





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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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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. Varsharani 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  
SMBT Ayurved College & Hospital,  
Dhamangaon, Tal. Igatpuri, Dist. Nashik.

**Principal**

Dr. Pradheep Bhabad.

**Principal**  
S.M.B.T. Ayurved College & 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

2<sup>nd</sup> year BAMS (A 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: 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
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02	Dr. Prashant Patil	Asst. Professor	Prasutitantra evam Stirog	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	session 1	session 2	session 3	session 4	session 5	session 6
1	AHER DHANASHREE VASANTRAO	P	P	P	P	P	P
2	AHER KOMAL RAJEEV	P	P	P	P	P	P
3	AHIRE RUTUJA SANJAY	P	P	P	P	P	P
4	BHADANE SHRUTI BHASKAR	P	P	P	P	P	P
5	BHAGWAT MONALI KAILAS	P	P	P	P	P	P
6	BHERE SHITAL BALKRISHANA	P	P	P	P	P	P
7	BHOIR ASHWINI ULHAS	P	P	P	P	P	P
8	BHOIR KOMAL MANOHAR	P	P	P	P	P	P
9	BOLLAY JASWINDER KAUR KARNAIL SINGH	P	P	P	P	P	P
10	DANDAWATE AYUSH RAJENDRA	P	P	P	P	P	P
11	DESALE NILESH VILAS	A	A	A	A	P	P
12	DESALE VIPUL SANTOSH	A	A	A	A	A	A
13	DHIKALE GHANSHAM ASHOK	P	P	P	P	P	P
14	DHOLE RHUTUJA SANTOSH	P	P	P	P	P	P
15	DOIFODE SHUBHANGI SANJAY	P	P	P	P	P	P
16	GADGE AISHWARYA DIPAK	P	P	P	P	P	P
17	GAIKWAD MANASI DILIP	P	P	P	P	P	P
18	GHARAT DIVYA DHANAJI	P	P	P	P	P	P
19	HALDE SWATI TRAMBAK	P	P	P	P	P	P
20	JAGALE SNEHA NITIN	P	P	P	P	P	P
21	JAIN MOHIT SUNIL	P	P	P	P	P	P
22	JAMDAR MAYURI VASANTRAO	P	P	P	P	P	P
23	JAYKAR PRAJAKTA EKNATH	P	P	P	P	P	P
24	JHA SWETAKUMARI JEETENDRA	P	P	P	P	P	P
25	KADAM BHAKTI ANIL	P	P	P	P	P	P
26	KADUSKAR RUTUJA DAGADU	P	P	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	P	P	P	P
30	KHATKE CHIRAG SURESH	P	P	P	P	P	P



**Course Coordinator**  
**Asst. Professor**  
 Dept. of Shastrantara  
 S.M.T. Ayurved College & Hospital  
 Dharamangaon, Tal. Igatpuri, Dist. Nashik.



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Date- 8/04/2019

### REPORT ON THE 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 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.





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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 FINER 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.

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 some 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  
Dhamangaon, Tal. Igatpuri, Dist. Nashik.

**Principal**

**Dr. Pradeep Bhabad.**  
**Principal**  
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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	60	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-B-**  
**(07-04-2019)**

Sr No	Name Of Student	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6
1	KOKATE SWAPNALI SANTOSHRAO	P	P	P	P	P	P
2	KUKAREJA MANISHA SHANKAR	P	P	P	P	P	P
3	LONDHE MOHINI VITTHALRAO	P	P	P	P	P	P
4	MAHAJAN TANAYA YASHWANT	P	P	P	P	P	P
5	MALODE DEVIPRASAD KISAN	P	P	P	P	P	P
6	MANDAGE ROHANKUMAR BALKRUSHNA	P	P	P	P	P	P
7	MISHRA SAUMYA SURESH	P	P	P	P	P	P
8	MULEY KAUSTUBH AVINASH	P	P	P	P	P	P
9	NAIK SWAPNALI BANDU	P	P	P	P	P	P
10	PATIL KALYANI VIKAS	P	P	P	P	P	P
11	PATIL MAYURI SANJAY	P	P	P	P	P	P
12	PATIL OJASWITA SHAHAJI	P	P	P	P	P	P
13	PATIL PRANALI ISHWAR	P	P	P	P	P	P
14	PATIL SAKSHI KANHAIYALAL	P	P	P	P	P	P
15	PATIL VARSHA RATILAL	P	P	P	P	P	P
16	PAWAR ANUJA ANIL	P	P	P	P	P	P
17	PAWAR JANHVI RUSTUM	P	P	P	P	P	P
18	SALUNKHE ANIL SHIVAJI	P	P	P	P	P	P
19	SAYAR PRANAV PREMSINGH	P	P	P	P	P	P
20	SHELKE SWATI CHANDRAKANT	P	P	P	P	P	P
21	SHINDE NIRANJAN ULHAS	P	P	P	P	P	P
22	SOLASE NIYATA YASHWANT	P	P	P	P	P	P
23	THAKARE SHRADDHA PARASHARAM	P	P	P	P	P	P
24	THETE OMKAR SOMNATH	P	P	P	P	P	P
25	TRIBHUVAN YOGESH RAOSAHEB	P	P	P	P	P	P
26	UGHADE TRUNALI SUBHASH	P	P	P	P	P	P
27	VENGURLEKAR ASHLESHA CHANDRASHEKHAR	P	P	P	P	P	P
28	WANKHEDE JIGNESH RAJARAM	P	P	P	P	P	P
29	WAYAL NIKITA DAMODHAR	P	P	P	P	P	P
30	YEWALE HEMANGI SHIVAJI	P	P	P	P	P	P



  
**Course Coordinator**  
 Dept. of Shalyatantra  
 S.M.S.T. Ayurved College & Hospital  
 Ohanangaon, Tal. Iggaon, Dist. Nashik.



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Date- 9/04/2019

### 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 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.

**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 '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 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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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. Varsharani 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 & PROFESSOR  
Dept. of Shalyatantra  
SMBT Ayurved College & Hospital  
Dhamangaon, Tal. Igatpuri, Dist. Nashik.

**Principal**

Dr. Pradeep Bhabad.

Principal  
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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

2<sup>nd</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: 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



**Attendance for Research Methodology Workshop Second Year** **Batch-**  
**B-(07-04-2019)**

Sr No	Name Of Student	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6
1	KSHIRSAGAR PRADNYA KALYANRAO	P	P	P	P	P	P
2	MEHETRE ROHAN SUNIL	P	P	P	P	P	P
3	MORE VIJAY ARJUN	P	P	P	P	P	P
4	MUTADAK PRAJAKTA GOKUL	P	P	P	P	P	P
5	NAIK KRUPA NILESH	P	P	P	P	P	P
6	NARAWADE ARTI APPASAHEB	P	P	P	P	P	P
7	NIKAM SNEHA DHANANJAY	P	P	P	P	P	P
8	OMASE VIDYA GOVIND	P	P	P	P	P	P
9	PAL NANDANI HARISHCHANDRA	P	P	P	P	P	P
10	PARIKH BHAVYA KIRAN	P	P	P	P	P	P
11	PATIL DHANASHRI RAVINDRA	P	P	P	P	P	P
12	PATIL PRAJAKTA AJAY	P	P	P	P	P	P
13	PATIL PRAJAKTA RAMCHANDRA	P	P	P	P	P	P
14	PATIL PRIYADARSHANI SUBHASH	P	P	P	P	P	P
15	PAWAR RENU SUHAS	P	P	P	P	P	P
16	PHANSE DHANANJAY BABASAHEB	P	P	P	P	P	P
17	SAKHARE AKANKSHA SURENDRA	P	P	P	P	P	P
18	SAPKAL NIKITA BHAGWAN	P	P	P	P	P	P
19	SHAH SALONI PAWAN	P	P	P	P	P	P
20	SHARMA SWAPNIL NAGESH	P	P	P	P	P	P
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	P
24	THAKUR MANSI BHAGVAN	P	P	P	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	P
28	USHIRE DIPALI GANGARAM	P	P	P	P	P	P
29	VARPE VIDYA BABAJI	P	P	P	P	P	P
30	VIGHNE RUPALI BALKRUSHNA	P	P	P	P	P	P



  
**HOD & PROFESSOR**  
**Course Coordinator**  
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Date- 9/04/2019

### BASIC RESEARCH METHODOLOGY WORKSHOP REPORT

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.

**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- 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 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 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  
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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

3<sup>rd</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: 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. Shilpa 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	Shalyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik



**Attendance for Research Methodology Workshop Third Year  
Batch-B-(07-04-2019)**

Sr No	Name Of Student	session 1	session 2	session 3	session 4	session 5	session 6
1	PAWALI DIKSHA RAMDAS	P	P	P	P	P	P
2	PAWAR NIVEDITA SUDHAKAR	P	P	P	P	P	P
3	RATHOD SAYALI SAHEBRAO	P	P	P	P	P	P
4	RATHOD SONALI SAHEBRAO	P	P	P	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	P	P	P	P
8	SONAWANE PRATIKSHA RAJENDRA	P	P	P	P	P	P
9	TIWARI ANIKET RAJENDRAKUMAR	P	P	P	P	P	P
10	UGALMUGALE POOJA NIVRUTTI	P	P	P	P	P	P
11	VADAK SAMRUDDHI REVANNATH	P	P	P	P	P	P
12	WAGH SAYALI NARENDRA	P	P	P	P	P	P
13	WAJE SAYALI AMBADAS	P	P	P	P	P	P
14	ALAM SWATI PANDHARINATH	P	P	P	P	P	P
15	ANDADE AARTI GIRISH	P	P	P	P	P	P
16	AUCHITE AMOL SUDAM	P	P	P	P	P	P
17	AWAL PRASHANT RAMESH	P	P	P	P	P	P
18	BHOIR PRACHI CHANDRASHEKHAR	P	P	P	P	P	P
19	BHUSAL MAYURI BABANRAO	P	P	P	P	P	P
20	CHURI SUPRIYA RAJENDRA	P	P	P	P	P	P
21	GADAKH YOGESH SUKDEV	P	P	P	P	P	P
22	GADHAVE MAYURESH DATTATRAY	P	P	P	P	P	P
23	GANGURDE SWAPNALI SHRIDHAR	P	P	P	P	P	P
24	GHODVINDE POOJA VIJAY	P	P	P	P	P	P
25	GHORPADE SONALI SAMPAT	P	P	P	P	P	P
26	GHUDE DEVYANI MADHUKAR	P	P	P	P	P	P
27	GODASE PRANAY MARUTI	P	P	P	P	P	P
28	JADHAV SHITAL PARASRAM	P	P	P	P	P	P
29	JAYBHAYE PRIYANKA RAMCHANDRA	P	P	P	P	P	P
30	KENE NIKITA MOHAN	P	P	P	P	P	P



*(Signature)*

**Course Coordinator**  
**MOD & PROFESSOR**  
Dept. of Shalyatantra  
SMBT Ayurved College & Hospital  
Ohmangaon, Tal. Igatpuri, Dist. Nashik.



SMBT Sevabhavi Trust's

# SMBT AYURVED COLLEGE AND HOSPITAL

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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. Varsharani 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 scatter 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, 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 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 Questionnaire 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.



**PRINCIPAL**

Dr. Pradeep Bhabad.

**Principal**

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



**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	Topic	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	Topic	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		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

Venue & Organizer: **SMBT Ayurved College and Hospital,**  
Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik.

Details of Faculties:

Sr. No.	Name of Faculty	Designation	Department	College
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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		
2	Dr. Shilpa Badhe		
3	Dr. Prashant Patil		
4	Dr. Ankush Gunjal		

Vd. Varsharani Niphade  
Co-ordinator Research Workshop

Vd. Pradeep Bhabad  
Principal

**Principal**

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





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**BASIC WORKSHOP IN RESEARCH METHODOLOGY**

Date: 15/01/2020

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	P	P	P
3	BHAGWAT MONALI KAILAS	P	P	P	P	P	P	P
4	BHOIR ASHWINI ULHAS	P	P	P	P	P	P	P
5	BHOIR KOMAL MANOHAR	A	A	A	A	A	A	A
6	DANDAWATE AYUSH RAJENDRA	A	A	A	A	A	A	A
7	DESALE NILESH VILAS	A	A	A	A	A	A	A
8	DESALE VIPUL SANTOSH	A	A	A	A	A	A	A
9	DHOLE RHUTUJA SANTOSH	P	P	P	P	P	P	P
10	DOIFODE SHUBHANGI SANJAY	P	P	P	P	P	P	P
11	GADGE AISHWARYA DIPAK	P	P	P	P	P	P	P
12	GAIKWAD MANASI DILIP	P	P	P	P	P	P	P
13	GHARAT DIVYA DHANAJI	P	P	P	P	P	P	P
14	HALDE SWATI TRAMBAK	P	P	P	P	P	P	P
15	JAGALE SNEHAL NITIN	P	P	P	P	P	P	P
16	JAIN MOHIT SUNIL	P	P	P	P	P	P	P
17	JAMDAR MAYURI VASANTRAO	P	P	P	P	P	P	P
18	JAYKAR PRAJAKTA EKNATH	P	P	P	P	P	P	P
19	JHA SWETAKUMARI JEETENDRA	A	A	A	A	A	A	A
20	KADAM BHAKTI ANIL	P	P	P	P	P	P	P
21	KADUSKAR RUTUJA DAGADU	P	P	P	P	P	P	P
22	KALE KANCHAN KAILAS	P	P	P	P	P	P	P
23	KASLIWAL SAMARTH VIPIN	P	P	P	P	P	P	P
24	KESARKAR AKSHATA SUNIL	P	P	P	P	P	P	P
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	A
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	P
33	NIKAM SNEHA DHANANJAY	P	P	P	P	P	P	P
34	OMASE VIDYA GOVIND	P	P	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	P	P	P
38	PATIL PRAJAKTA RAMCHANDRA	P	P	P	P	P	P	P
39	PATIL PRIYADARSHANI SUBHASH	P	P	P	P	P	P	P
40	PAWAR RENU SUHAS	P	P	P	P	P	P	P
41	SAKHARE AKANKSHA SURENDRA	P	P	P	P	P	P	P
42	SHAH SALONI PAWAN	P	P	P	P	P	P	P
43	SHEVARE AISHWARYA KHUSHAL	P	P	P	P	P	P	P
44	SONAWANE HARSHAL SURESH	A	A	A	A	A	A	A
45	SONAWANE NILESH SHASHIKANT	A	A	A	A	A	A	A
46	SONAWANE PRATIKSHA CHHAGAN	P	P	P	P	P	P	P
47	THAKUR MANSI BHAGVAN	P	P	P	P	P	P	P
48	THIGALE DIVYA RAJESH	P	P	P	P	P	P	P
49	UGALE ARADHANA ATMARAM	P	P	P	P	P	P	P
50	USHIRE DIPALI GANGARAM	P	P	P	P	P	P	P
51	VALTE SWAPNALI YADAV	P	P	P	P	P	P	P
52	VIGHNE RUPALI BALKRUSHNA	P	P	P	P	P	P	P

*(Signature)*

Vd. Varsharani Niphade  
Co-ordinator Research Workshop

Vd. Pradeep Bhabad  
Principal

**Principal**

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





**BASIC WORKSHOP IN RESEARCH METHODOLOGY**

Date: 16/01/2020

Sr.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
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10	DOIFODE SHUBHANGI SANJAY	P	P	P	P	P	P
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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	P
16	JAIN MOHIT SUNIL	P	P	P	P	P	P
17	JAMDAR MAYURI VASANTRAO	P	P	P	P	P	P
18	JAYKAR PRAJAKTA EKNATH	P	P	P	P	P	P
19	JHA SWETAKUMARI JEETENDRA	A	A	A	A	A	A
20	KADAM BHAKTI ANIL	A	P	P	P	P	P
21	KADUSKAR RUTUJA DAGADU	P	P	P	P	P	P
22	KALE KANCHAN KAILAS	P	P	P	P	P	P
23	KASLIWAL SAMARTH VIPIN	P	P	P	P	P	P
24	KESARKAR AKSHATA SUNIL	P	P	P	P	P	P
25	KHATKE CHIRAG SURESH	A	A	A	A	A	A
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31	NAIK KRUPA NILESH	P	P	P	P	P	P
32	NARAWADE ARTI APPASAHEB	P	P	P	P	P	P
33	NIKAM SNEHA DHANANJAY	P	P	P	P	P	P
34	OMASE VIDYA GOVIND	P	P	P	P	P	P
35	PARIKH BHAVYA KIRAN	P	P	P	P	P	P
36	PATIL DHANASHRI RAVINDRA	P	P	P	P	P	P
37	PATIL PRAJAKTA AJAY	P	P	P	P	P	P
38	PATIL PRAJAKTA RAMCHANDRA	P	P	P	P	P	P
39	PATIL PRIYADARSHANI SUBHASH	P	P	P	P	P	P
40	PAWAR RENU SUHAS	P	P	P	P	P	P
41	SAKHARE AKANKSHA SURENDRA	P	P	P	P	P	P
42	SHAH SALONI PAWAN	P	P	P	P	P	P
43	SHEVARE AISHWARYA KHUSHAL	P	P	P	P	P	P
44	SONAWANE HARSHAL SURESH	A	A	A	A	A	A
45	SONAWANE NILESH SHASHIKANT	A	A	A	A	A	A
46	SONAWANE PRATIKSHA CHHAGAN	P	P	P	P	P	P
47	THAKUR MANSI BHAGVAN	P	P	P	P	P	P
48	THIGALE DIVYA RAJESH	P	P	P	P	P	P
49	UGALE ARADHANA ATMARAM	P	P	P	P	P	P
50	USHIRE DIPALI GANGARAM	P	P	P	P	P	P
51	VALTE SWAPNALI YADAV	P	P	P	P	P	P
52	VIGHNE RUPALI BALKRUSHNA	P	P	P	P	P	P

Vd. Varsharani Niphade  
Co-ordinator Research Workshop

Vd. Pradeep Bhabad  
Principal

**Principal**

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27/03/2020

### CIRCULAR

- 1) 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
- 3) 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.
- 5) Please note Brochure, Schedule and Batches will be shared on respective year wise Whats App group.



Principal

SMBT Ayurved College & Hospital

Nandhills, Dharmangon-Ghoti, Igatpur, Nashik-422403





SMBT Sevabhawi Trust's

## SMBT AYURVED COLLEGE AND HOSPITAL

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Date- 31/03/2020

### 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.





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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 FINER 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.

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  
Dhamangaon, Tal. Igatpuri, Dist. Nashik.

**Principal**

Dr. Pradeep Bhabad.  
**Principal**  
SMBT Ayurved College & Hospital  
Nandi-Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik.



**Attendance for Research Methodology Workshop First Year  
Batch-A-(29-03-2020)**

Sr No	Name Of Student	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6
1	ADHIKARI NIVEDITA VASANT	P	P	P	P	P	P
2	ANBHULE AKSHAY VILAS	P	P	P	P	P	P
3	AROTE AISHWARYA RAMDAS	P	P	P	P	P	P
4	BAIS ANKITA ANANTRAO	P	P	P	P	P	P
5	BANGAR PRANALI SURESH	P	P	P	P	P	P
6	BARI NIKHIL KISHOR	P	P	P	P	P	P
7	BHANUSHALI MRUNALI SANDIP	P	P	P	P	P	P
8	BHARAMBE PRASAD RAJESH	A	P	P	P	P	P
9	BHARDWAJ GAYATARY SANDEEP	P	P	P	P	P	P
10	BHOIR ANKITA RAVINDRA	P	P	P	P	P	P
11	BIDVI SWARAJ MAHENDRA	P	P	P	P	P	P
12	BIRAJDAR DHIRAJ DILIP	P	P	P	P	P	P
13	BISWAS GAURAVKUMAR GANESHKUMAR	P	P	P	P	P	P
14	BORSE SAGAR DILIP	P	P	P	P	P	P
15	CHAUDHARI PRACHI SANDIP	P	P	P	P	P	P
16	CHAUDHARY SANGEETA SAVALARAM	P	P	P	P	P	P
17	CHITTE KOMAL JAYWANT	P	P	P	P	P	P
18	DALVI RUSHIKESH PRASHANT	P	P	P	P	P	P
19	DEORE BHAVESH PRAKASH	P	P	P	P	P	P
20	DHANGAR PRIYANKA MOTIRAM	P	P	P	P	P	P
21	GANGWAL HARSHITA RAJENDRA	P	P	P	P	P	P
22	HEGADKAR NIRANJAN SANJAY	P	P	P	P	P	P
23	JADHAO PALLAVI MADHUKAR	P	P	P	P	P	P
24	JADHAV NAMRATA JYOTILAL	P	P	P	P	P	P
25	KAPSE GEETA BHAGWAN	P	P	P	P	P	P
26	KEDAR VAIBHAV SUBHASH	P	P	P	P	P	P
27	KHALKAR SUMIT ARUN	P	P	P	P	P	P
28	KHANDARE ANUSHKA AJAY	P	P	P	P	P	P
29	KHAPARE PRACHI HARISHCHANDRA	P	P	P	P	P	P
30	KHEWALKAR PRATIK PANDIT	P	P	P	P	P	P



**COURSE COORDINATOR**  
Dept. of Shalyatantra  
SMST Ayurved College & 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: 29/03/2020

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

Year 2019-20

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	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
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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Date- 29/03/2020

### 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 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 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-** 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,





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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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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. Varsharani 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 & PROFESSOR**  
Dept. of Shalyatantra  
SMBT Ayurved College & Hospital  
Dhamangaon, Tal. Igatpuri, Dist. Nashik.



**Principal**

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

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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	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6
1	ANSARI TANVEER AHEMAD MOHD AYYUB	P	P	P	P	P	P
2	BADODKAR SAVYASACHI SANJAY	P	P	P	P	P	P
3	BARTAKKE DURVA AJIT	P	P	P	P	P	P
4	BELKADE DHANASHREE PRAKASH	P	P	P	P	P	P
5	BHAGAT YASH PRABHAKAR	P	P	P	P	P	P
6	BHARATI JAYPRAKASH MAROTI	P	P	P	P	P	P
7	BHOIR DHANASHRI VASUDEV	P	P	P	P	P	P
8	BHONE AYUSHA PRAMOD	P	P	P	P	P	P
9	BHUJBAL NEHA JAGANNATH	P	P	P	P	P	P
10	BODKE PARAG RAJENDRA	P	P	P	P	P	P
11	CHATE SHRADDHA DEVIDAS	P	P	P	P	P	P
12	CHAUDHARI SHAMIKA NITIN	P	P	P	P	P	P
13	CHAVHAN SHRADDHA DILIP	P	P	P	P	P	P
14	CHOUDHARY SAMRUDHI ASHOK	P	P	P	P	P	P
15	CHOURE SUMATI VASANTRAO	P	P	P	P	P	P
16	DESHMUKH MRUNMAYEE DIWAKAR	P	P	P	P	P	P
17	DHANWADE PRATIKSHA SAMBHAJI	P	P	P	P	P	P
18	DHUMAL VISWAJEET VIJAYKUMAR	P	P	P	P	P	P
19	DIVEKAR GAYATRI PRASAD	P	P	P	P	P	P
20	HANKARE PRANJALI SUDHAKAR	P	P	P	P	P	P
21	HARNE PREETI YOGESH	P	P	P	P	P	P
22	HIRAVE BHAGYASHREE SUKHADEV	P	P	P	P	P	P
23	INGLE KOMAL ANIL	P	P	P	P	P	P
24	INGLE SHRIDHAR DATTA	P	P	P	P	P	P
25	JEUGHALE NIKHIL VASANT	P	P	P	P	P	P
26	KAJALE NIKHILKUMAR VISHNUDAS	P	P	P	P	P	P
27	KATHER PRAJWAL BAJIRAO	P	P	P	P	P	P
28	KENDRE VIVEK VINAYAK	P	P	P	P	P	P
29	KHAN MOHAMMAD IZAN MAHEFUJ	P	P	P	P	P	P
30	KHANDEKAR SHAMA SHARAD	P	P	P	P	P	P



  
**Course Coordinator FOR**  
 Dept. of Shalyatantra  
 SMRT Ayurved College & Hospital  
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Date- 30/03/2020

### BASIC RESEARCH METHODOLOGY WORKSHOP REPORT

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.

**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.





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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 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**  
Dept. of Shalyatantra  
SMBT Ayurved College & Hospital  
Dhamangaon, Tal. Igatpuri, Dist. Nashik.

**Principal**

Dr. Pradeep Bhabad.

**Principal**  
SMBT Ayurved College & Hospital  
Nandi-hills, Dhamangaon, Tal. Igatpuri, 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

3<sup>rd</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: 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. Shilpa 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	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 Third Year  
Batch-A-(29-03-2020)**

Sr No	Name Of Student	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6
1	AHER DHANASHREE VASANTRAO	P	P	P	P	P	P
2	AHER KOMAL RAJEEV	P	P	P	P	P	P
3	AHIRE RUTUJA SANJAY	P	P	P	P	P	P
4	BHADANE SHRUTI BHASKAR	P	P	P	P	P	P
5	BHAGWAT MONALI KAILAS	P	P	P	P	P	P
6	BHERE SHITAL BALKRISHANA	P	P	P	P	P	P
7	BHOIR ASHWINI ULHAS	P	P	P	P	P	P
8	BHOIR KOMAL MANOHAR	P	P	P	P	P	P
9	BOLLAY JASWINDER KAUR KARNAIL SINGH	P	P	P	P	P	P
10	DANDAWATE AYUSH RAJENDRA	P	P	P	P	P	P
11	DESALE NILESH VILAS	P	P	P	P	P	P
12	DESALE VIPUL SANTOSH	P	P	P	P	P	P
13	DHIKALE GHANSHAM ASHOK	P	P	P	P	P	P
14	DHOLE RHUTUJA SANTOSH	P	P	P	P	P	P
15	DOIFODE SHUBHANGI SANJAY	P	P	P	P	P	P
16	GADGE AISHWARYA DIPAK	P	P	P	P	P	P
17	GAIKWAD MANASI DILIP	P	P	P	P	P	P
18	GHARAT DIVYA DHANAJI	A	A	A	A	A	A
19	HALDE SWATI TRAMBAK	P	P	P	P	P	P
20	JAGALE SNEHA NITIN	P	P	P	P	P	P
21	JAIN MOHIT SUNIL	P	P	P	P	P	P
22	JAMDAR MAYURI VASANTRAO	P	P	P	P	P	P
23	JAYKAR PRAJAKTA EKNATH	P	P	P	P	P	P
24	JHA SWETAKUMARI JEETENDRA	P	P	P	P	P	P
25	KADAM BHAKTI ANIL	P	P	P	P	P	P
26	KADUSKAR RUTUJA DAGADU	P	P	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	P	P	P	P
30	KHATKE CHIRAG SURESH	P	P	P	P	P	P



**Course Coordinator**  
Dept. of Shalyacantha  
SMRT Ayurved College & Hospital  
Dhanamangam, Tal. Jalgaon, Dist. Nashik.



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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. Varsharani 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.





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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 FINER 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.

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  
Dhamangaon, Tal. Igatpuri, Dist. Nashik.

**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

Venue & Organizer: **SMBT Ayurved College and Hospital,**  
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	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	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:

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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	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6
1	KHILLARE ONKAR DATTATRAYA	P	P	P	P	P	P
2	MAHAJAN ASHWINEE RAVINDRA	P	P	P	P	P	P
3	MANDLIK PRACHI SUNIL	P	P	P	P	P	P
4	MHATRE RUTIKA JIVAN	P	P	P	P	P	P
5	MORE DIPASHRI MANOJ	P	P	P	P	P	P
6	NANDRE NILIMA NARAYAN	P	P	P	P	P	P
7	NEHE TRUPTI SUNIL	P	P	P	P	P	P
8	NEVDE NISHIGANDHA KALYAN	P	P	P	P	P	P
9	NYAHARKAR KAMLESH DHANANJAY	P	P	P	P	P	P
10	PACHPUTE SHARADA SUBHASH	P	P	P	P	P	P
11	PATIL ASHISH ARUN	A	P	P	A	A	A
12	PATIL NIKITA MADHUKAR	P	P	P	P	P	P
13	PATIL SIDDHARTH SAHEBRAO	P	P	P	P	P	P
14	PAWAR OMKAR HIRAMAN	P	P	P	P	P	P
15	PILLAY FRANKO PRINCE	P	P	P	P	P	P
16	RANE CHETANA SURESH	P	P	P	P	P	P
17	RANE JATINKUMAR VIJAY	P	P	P	P	P	P
18	SARBHUKAN MAYURI NITIN	P	P	P	P	P	P
19	SASANE SHUBHAM BANDU	P	P	P	P	P	P
20	SAWSAKKE ANJALI GANESH	P	P	P	P	P	P
21	SHINDE RUSHIKESH SANTOSH	P	P	P	P	P	P
22	SHINDE SHUBHAM DILIP	P	P	P	P	P	P
23	SONAWANE AKASH RAJENDRA	P	P	P	P	P	P
24	THOMBRE PRIYA BHAGUJI	P	P	P	P	P	P
25	TIPANE SHUBHAM SANJAY	P	P	A	A	P	P
26	TIPLE DISHA KARMAVIR	P	P	P	P	P	P
27	VAIDYA SHWETA VASANTRAO	P	P	P	P	P	P
28	WAGH YASHPAL HASRATH	P	P	P	P	P	P
29	YADAV VISHAL LALJI	P	P	P	P	P	P
30	YELMOTE RUTUJA PRASHANT	P	P	P	P	P	P



**Course Coordinator**  
Dept. of Shalyatantra  
SMRT Ayurved College & Hospital  
Dhamsangaon, Tal. Igatpuri, Dist. Nashik.



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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<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 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-** 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 of 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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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. Varsharani 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 & PROFESSOR**  
Dept. of Shalyatantra  
SMBT Ayurved College & Hospital  
Dhamangaon, Tal. Igatpuri, Dist. Nashik.

**Principal**

**Dr. Pradeep Bhabad.**  
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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: 05/04/2020

2<sup>nd</sup> year BAMS (B 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 Stirog	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-(05-04-2020)**

Sr No	Name Of Student	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6
1	KOKATE SWAPNALI SANTOSHRAO	P	P	P	P	P	P
2	KUKAREIA MANISHA SHANKAR	P	P	P	P	P	P
3	LONDHE MOHINI VITTHALRAO	P	P	P	P	P	P
4	MAHAJAN TANAYA YASHWANT	P	P	P	P	P	P
5	MALODE DEVIPRASAD KISAN	P	P	P	P	P	P
6	MANDAGE ROHANKUMAR BALKRUSHNA	P	P	P	P	P	P
7	MISHRA SAUMYA SURESH	P	P	P	P	P	P
8	MULEY KAUSTUBH AVINASH	P	P	P	P	P	P
9	NAIK SWAPNALI BANDU	P	P	P	P	P	P
10	PATIL KALYANI VIKAS	P	P	P	P	P	P
11	PATIL MAYURI SANJAY	P	P	P	P	P	P
12	PATIL OJASWITA SHAHAJI	P	P	P	P	P	P
13	PATIL PRANALI ISHWAR	P	P	P	P	P	P
14	PATIL SAKSHI KANHAIYALAL	P	P	P	P	P	P
15	PATIL VARSHA RATILAL	P	P	P	P	P	P
16	PAWAR ANUJA ANIL	P	P	P	P	P	P
17	PAWAR JANHVI RUSTUM	P	P	P	P	P	P
18	SALUNKHE ANIL SHIVAJI	P	P	P	P	P	P
19	SAYAR PRANAV PREMSINGH	P	P	P	P	P	P
20	SHELKE SWATI CHANDRAKANT	P	P	P	P	P	P
21	SHINDE NIRANJAN ULHAS	P	P	P	P	P	P
22	SOLASE NIYATA YASHWANT	P	P	P	P	P	P
23	THAKARE SHRADDHA PARASHARAM	P	P	P	P	P	P
24	THETE OMKAR SOMNATH	P	P	P	P	P	P
25	TRIBHUVAN YOGESH RAOSAHEB	P	P	P	P	P	P
26	UGHADE TRUNALI SUBHASH	P	P	P	P	P	P
27	VENGURLEKAR ASHLESHA CHANDRASHEKHAR	P	P	P	P	P	P
28	WANKHEDE JIGNESH RAJARAM	P	P	P	P	P	P
29	WAYAL NIKITA DAMODHAR	P	P	P	P	P	P
30	YEWALE HEMANGI SHIVAJI	P	P	P	P	P	P



*(Handwritten Signature)*

**Course Coordinator**  
 Dept. of Shalyatantra  
 S.M.T. Ayurved College & Hospital  
 Dharamgaon, Tal. Jagatnuri, Dist. Nashik



SMBT Sevabhai Trust's

## SMBT AYURVED COLLEGE AND HOSPITAL

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Email: principal.ayurved@smbt.edu.in | smbtayurved@gmail.com | www.smbt.edu.in

Date- 7/04/2020

### BASIC RESEARCH METHODOLOGY WORKSHOP REPORT

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 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 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**  
Dept. of Shalyatantra  
SMBT Ayurved College & Hospital  
Dhamangaon, Tal. Igatpuri, Dist. Nashik.

**Principal**

**Dr. Pradeep Bhabad.**

**Principal**  
SMBT Ayurved College & Hospital  
Nandihills, Dhamangaon, Tal. Igatpuri, 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: 05/04/2020

3<sup>rd</sup> year BAMS (B 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: 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:


Sr. No.	Name of Faculty	Designation	Department	College
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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 Third Year  
Batch-B-(05-04-2020)**

Sr No	Name Of Student	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6
1	KSHIRSAGAR PRADNYA KALYANRAO	P	P	P	P	P	P
2	MEHETRE ROHAN SUNIL	P	P	P	P	P	P
3	MORE VIJAY ARJUN	P	P	P	P	P	P
4	MUTADAK PRAJAKTA GOKUL	P	P	P	P	P	P
5	NAIK KRUPA NILESH	P	P	P	P	P	P
6	NARAWADE ARTI APPASAHEB	P	P	P	P	P	P
7	NIKAM SNEHA DHANANJAY	P	P	P	P	P	P
8	OMASE VIDYA GOVIND	P	P	P	P	P	P
9	PAL NANDANI HARISHCHANDRA	P	P	P	P	P	P
10	PARIKH BHAVYA KIRAN	P	P	P	P	P	P
11	PATIL DHANASHRI RAVINDRA	P	P	P	P	P	P
12	PATIL PRAJAKTA AJAY	P	P	P	P	P	P
13	PATIL PRAJAKTA RAMCHANDRA	P	P	P	P	P	P
14	PATIL PRIYADARSHANI SUBHASH	P	P	P	P	P	P
15	PAWAR RENU SUHAS	P	P	P	P	P	P
16	PHANSE DHANANJAY BABASAHEB	P	P	P	P	P	P
17	SAKHARE AKANKSHA SURENDRA	P	P	P	P	P	P
18	SAPKAL NIKITA BHAGWAN	A	A	A	P	P	P
19	SHAH SALONI PAWAN	P	P	P	P	P	P
20	SHARMA SWAPNIL NAGESH	P	P	P	P	P	P
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	P
24	THAKUR MANSI BHAGVAN	P	P	P	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	P
28	USHIRE DIPALI GANGARAM	P	P	P	P	P	P
29	VARPE VIDYA BABAJI	P	P	P	P	P	P
30	VIGHNE RUPALI BALKRUSHNA	P	P	P	R	P	P



  
**Course Coordinator**  
 Dept. of Shalyatantra  
 SMBT Ayurved College & Hospital  
 Chhanimgan, Taligatpur, Dist. Nashik.



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**SMBT AYURVED COLLEGE AND HOSPITAL**

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20/03/2021

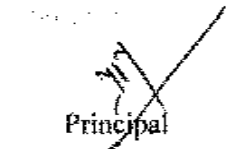
**CIRCULAR**

- 1) 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
- 3) 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.



  
Principal

SMBT Ayurved College & Hospital

**Principal**

S.M.B.T. Ayurved College & Hospital  
Nandi-Hills, Dharamangaon, Tal. Igatpuri, Dist. 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. Varsharani Nipahde 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:- Causc 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 lecture with the help of actual demonstration of literature search in Ayurveda 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 Boolean 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 **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

Noted

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

Venue & Organizer: **SMBT Ayurved College and Hospital,**  
Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

Date: 28/03/2021

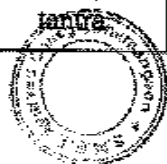
1<sup>st</sup> year BAMS (Batch A)

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. Suvarna Chudhari	03:30 pm to 05:00 pm

#### Details of Faculties:

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02	Dr. Prashant Patil	Asso. Professor	Prasutitantra evam Strirog	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
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04	Dr. Shilpa Badhe	Professor	Shalyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik
05	Dr. Suvarna Chaudhari	Asst. Professor	Shalakyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik



**Attendance for Research Methodology Workshop First Year  
Batch-A-(28-03-2021)**

Sr No	Name Of Student	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6
1	ABHANG PRATHAMESH KIRAN	P	P	P	P	P	P
2	AHIRRAO PRATIK GANESH	P	P	P	P	P	P
3	BAIGIRE PAVANKUMAR RAMRAO	P	P	P	P	P	P
4	BHOSALE RUSHIKES ASHOK	P	P	P	P	P	P
5	BORUDE VASUDHA SANDEEP	P	P	P	P	P	P
6	CHAUDHARI PRATIK RAJENDRA	P	P	P	P	P	P
7	CHAUDHARI VEDANTI VINOD	P	P	P	P	P	P
8	CHAVAN AKASH DADARAO	P	P	P	P	P	P
9	CHOUDHARY GUNJAN VISHWANATH	P	P	P	P	P	P
10	DEORE ADITI SHASHIKANT	P	P	P	P	P	P
11	GAIKAR SANJANA KAILAS	P	P	P	P	P	P
12	GAIKWAD YOGESH JAGDISH	P	P	P	P	P	P
13	GANGURDE TUSHAR CHANDU	P	P	P	P	P	P
14	GHORPADE AJINKYA RAJENDRA	P	P	P	P	P	P
15	GIRI ABHISHEK BAJRANG	P	P	P	P	P	P
16	GOSAVI PRAGATI ANILGIR	P	P	P	P	P	P
17	HINGE VAIBHAV VIJAY	P	P	P	P	P	P
18	INGLE SANIYA DILIP	P	P	P	P	P	P
19	JADHAV MANASI DILIP	A	P	P	P	P	P
20	JAGE TANVI PRASHANT	P	P	P	P	P	P
21	KADAM ANKUSH TULSHIRAM	P	P	P	P	P	P
22	KAJALE SHRUTI SAGAR	P	P	P	P	P	P
23	KAKDE PRAGATI DNYANESHWAR	P	P	P	P	P	P
24	KAKDE VIKAS RAMDAS	P	P	P	P	P	P
25	KALE MEGHA TUKARAM	P	P	P	P	P	P
26	KHADE VIDYA RAJENDRA	P	P	P	P	P	P
27	KHATATE SHUBHAM DATTATRAY	P	P	P	P	P	P
28	KHUTANBUJE MOHAMMADJUNED	P	P	P	P	P	P
29	KORE VAISHNAVI SURESH	P	P	R	P	P	P
30	LANDE SHUBHANGI BALASAHEB	P	P	P	P	P	P



**Course Coordinator**  
 SMAT Ayurved College & Hospital  
 Dharmanganon, Tal. Igatpuri, Dist. Nashik.



SMBT Sevabhavi Trust's

## SMBT AYURVED COLLEGE AND HOSPITAL

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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.
  - I. 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. Varsharani 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, Dhamangaon, Tal. Igatpuri, 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: 28/03/2021

2<sup>nd</sup> year BAMS (A 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: 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 Methodology Workshop Second Year  
Batch-A-(28-03-2021)**

Sr No	Name Of Student	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6
1	ADHIKARI NIVEDITA VASANT	P	P	P	P	P	P
2	ANBHULE AKSHAY VILAS	P	P	P	P	P	P
3	AROTE AISHWARYA RAMDAS	P	P	P	P	P	P
4	BAIS ANKITA ANANTRAO	P	P	P	P	P	P
5	BANGAR PRANALI SURESH	P	P	P	P	P	P
6	BARI NIKHIL KISHOR	P	P	P	P	P	P
7	BHANUSHALI MRUNALI SANDIP	P	P	P	P	P	P
8	BHARAMBE PRASAD RAJESH	P	P	P	P	P	P
9	BHARDWAJ GAYATARY SANDEEP	P	P	P	P	P	P
10	BHOIR ANKITA RAVINDRA	P	P	P	P	P	P
11	BIDVI SWARAJ MAHENDRA	P	P	P	P	P	P
12	BIRAJDAR DHIRAJ DILIP	P	P	P	P	P	P
13	BISWAS GAURAVKUMAR GANESHKUMAR	P	P	P	P	P	P
14	BORSE SAGAR DILIP	P	P	P	P	P	P
15	CHAUDHARI PRACHI SANDIP	P	P	P	P	P	P
16	CHAUDHARY SANGEETA SAVALARAM	P	P	P	P	P	P
17	CHITTE KOMAL JAYWANT	P	P	P	P	P	P
18	DALVI RUSHIKESH PRASHANT	P	P	P	P	P	P
19	DEORE BHAVESH PRAKASH	P	P	P	P	P	P
20	DHANGAR PRIYANKA MOTIRAM	P	P	P	P	P	P
21	GANGWAL HARSHITA RAJENDRA	P	P	P	P	P	P
22	HEGADKAR NIRANJAN SANJAY	P	P	P	P	P	P
23	JADHAO PALLAVI MADHUKAR	P	P	P	P	P	P
24	JADHAV NAMRATA JYOTILAL	P	P	P	P	P	P
25	KAPSE GEETA BHAGWAN	P	P	P	P	P	P
26	KEDAR VAIBHAV SUBHASH	P	P	P	P	P	P
27	KHALKAR SUMIT ARUN	P	P	P	P	P	P
28	KHANDARE ANUSHKA AJAY	P	P	P	P	P	P
29	KHAPARE PRACHI HARISHCHANDRA	P	P	P	P	P	P
30	KHEWALKAR PRATIK PANDIT	P	P	P	P	P	P



*[Signature]*  
**HOD & PROFESSOR  
Course Coordinator**

SMBT Ayurved College & Hospital  
Dhamangon, Tal. Igatpuri, Dist. Nashik



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## SMBT AYURVED COLLEGE AND HOSPITAL

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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 conducted 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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- I. 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.
- I. 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

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

Venue & Organizer: **SMBT Ayurved College and Hospital,**  
Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

Date: 28/03/2021

3<sup>rd</sup> year BAMS (A 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. Shilpa 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



**Attendance for Research Methodology Workshop Third Year  
Batch-A-(28-03-2021)**

Sr No	Name Of Student	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6
1	ANSARI TANVEER AHMED MOHD AYYUB	P	P	P	P	P	P
2	BADODKAR SAVYASACHI SANJAY	P	P	P	P	P	P
3	BARTAKKE DURVA AJIT	P	P	P	P	P	P
4	BELKADE DHANASHREE PRAKASH	P	P	P	P	P	P
5	BHAGAT YASH PRABHAKAR	P	P	P	P	P	P
6	BHARATI JAYPRAKASH MAROTI	P	P	P	P	P	P
7	BHOIR DHANASHRI VASUDEV	P	P	P	P	P	P
8	BHONE AYUSHA PRAMOD	P	P	P	P	P	P
9	BHUJBAL NEHA JAGANNATH	P	P	P	P	P	P
10	BODKE PARAG RAJENDRA	P	P	P	P	P	P
11	CHATE SHRADDHA DEVIDAS	P	P	P	P	P	P
12	CHAUDHARI SHAMIKA NITIN	P	P	P	P	P	P
13	CHAVHAN SHRADDHA DILIP	P	P	P	P	P	P
14	CHOUDHARY SAMRUDHI ASHOK	P	P	P	P	P	P
15	CHOURE SUMATI VASANTRAO	P	P	P	P	P	P
16	DESHMUKH MRUNMAYEE DIWAKAR	P	P	P	P	P	P
17	DHANWADE PRATIKSHA SAMBHAJI	P	P	P	P	P	P
18	DHUMAL VISWAJEET VIJAYKUMAR	P	P	P	P	P	P
19	DIVEKAR GAYATRI PRASAD	P	P	P	P	P	P
20	HANKARE PRANJALI SUDHAKAR	P	P	P	P	P	P
21	HARNE PREETI YOGESH	P	P	P	P	P	P
22	HIRAVE BHAGYASHREE SUKHADEV	P	P	P	P	P	P
23	INGLE KOMAL ANIL	P	P	P	P	P	P
24	INGLE SHRIDHAR DATTA	P	P	P	P	P	P
25	JEUGHALE NIKHIL VASANT	P	P	P	P	P	P
26	KAJALE NIKHILKUMAR VISHNUDAS	P	P	P	P	P	P
27	KATHER PRAJWAL BAJIRAO	P	P	P	P	P	P
28	KENDRE VIVEK VINAYAK	P	P	P	P	P	P
29	KHAN MOHAMMAD IZAN MAHEFUJI	P	P	P	P	P	P
30	KHANDEKAR SHAMA SHARAD	P	P	P	P	P	P



  
**HOD & PROFESSOR**  
**Course Coordinator**  
 Dept. of Research  
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 Dharamgaon, Tal. Igatpuri, Dist. Nashik.



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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 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 lecture with the help of actual demonstration of literature search in Ayurveda 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 Bulleacon** 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. Suvarna 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

Noted

**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

Venue & Organizer: **SMBT Ayurved College and Hospital,**  
Nandi Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik-422403.

Date: 04/04/2021

1<sup>st</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. Suvarna 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. Suvarna Chaudhari	Asst. Professor	Shalakyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik



**Attendance for Research Methodology Workshop First Year  
(04-04-2021)**

**Batch-B-**

Sr No	Name Of Student	Section 1	Section 2	Section 3	Section 4	Section 5	Section 6
1	MAGAR HARSH PRADIP	P	P	P	P	P	P
2	MALEKAR SHRINIVAS PRALHAD	P	P	P	P	P	P
3	MARATHE PRANJAL SANJAY	P	P	P	P	P	P
4	MARATHE SANKET ASHOK	P	P	P	P	P	P
5	MORE MRUNALI KISHOR	P	P	P	P	P	P
6	NAPHADE SHREYSH KRUSHNA	P	P	P	P	P	P
7	NICHITE SNEHA BHASKAR	P	P	P	P	P	P
8	PADGILWAR PRASAD CHANDRAKANTRAO	P	P	P	P	P	P
9	PAGAR PRATIK RAVINDRA	P	P	P	P	P	P
10	PAL VARSHADEVI RADHESHYAM	P	P	P	P	P	P
11	PANJWANI AMITKUMAR RAVIKUMAR	P	P	P	P	P	P
12	PATIL ADITI MILIND	P	P	P	P	P	P
13	PATIL HIMANI SANJAY	P	P	P	P	P	P
14	PATIL PAVAN ROHIDAS	P	P	P	P	P	P
15	PATIL RAMESHWAR DIPAK	P	P	P	P	P	P
16	RAKH SNEHAL BARIKRAO	A	P	P	P	P	P
17	RANSHUR MAYURI DATTATRAY	P	P	P	P	P	P
18	SALUNKHE MANSI JITENDRA	P	P	P	P	P	P
19	SHINDE MAHESH SUNIL	P	P	P	P	P	P
20	SHINDE PRIYANKA PRAVIN	P	P	P	P	P	P
21	SHINGNE SAMRUDDHI SUDHIR	P	P	P	P	P	P
22	SONKUSARE KRUSHNAKAMAL ARUN	P	P	P	P	P	P
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	P	P	P	P
26	ULPE PRANITA SHASHIKANT	P	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	P	P	P	P	P



  
**HO-6-PROFESSOR**  
**Course Coordinator**  
 SMRT Ayurved College Hospital  
 Chamangan, Jalgaon-392005



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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.
  - I. 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. Varsharani 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

Motest  
2/17  
**Principal**

Dr. Pradeep Bhabad.

**Principal**

S.M.B.T.Ayurved College & Hospital  
Nandi-Hills, Dhamannann Tal Igatpuri 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: 04/04/2021

2<sup>nd</sup> year 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: 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 Methodology Workshop Second Year** **Batch-2**  
**B-(04-04-2021)**

Sr No	Name Of Student	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6
1	KHILLARE ONKAR DATTATRAYA	P	P	P	P	P	P
2	MAHAJAN ASHWINEE RAVINDRA	P	P	P	P	P	P
3	MANDLIK PRACHI SUNIL	P	P	P	P	P	P
4	MHATRE RUTIKA JIVAN	P	P	P	P	P	P
5	MORE DIPASHRI MANOJ	P	P	P	P	P	P
6	NANDRE NILIMA NARAYAN	P	P	P	P	P	P
7	NEHE TRUPTI SUNIL	P	P	P	P	P	P
8	NEVDE NISHIGANDHA KALYAN	P	P	P	P	P	P
9	NYAHARKAR KAMLESH DHANANJAY	P	P	P	P	P	P
10	PACHPUTE SHARADA SUBHASH	P	P	P	P	P	P
11	PATIL ASHISH ARUN	P	P	P	P	P	P
12	PATIL NIKITA MADHUKAR	P	P	P	P	P	P
13	PATIL SIDDHARTH SAHEBRAO	P	P	P	P	P	P
14	PAWAR OMKAR HIRAMAN	P	P	P	P	P	P
15	PILLAY FRANKO PRINCE	P	P	P	P	P	P
16	RANE CHETANA SURESH	P	P	P	P	P	P
17	RANE JATINKUMAR VIJAY	P	P	P	P	P	P
18	SARBHUKAN MAYURI NITIN	P	P	P	P	P	P
19	SASANE SHUBHAM BANDU	P	P	P	P	P	P
20	SAWSAKKE ANJALI GANESH	P	P	P	P	P	P
21	SHINDE RUSHIKESH SANTOSH	P	P	P	P	P	P
22	SHINDE SHUBHAM DILIP	P	P	P	P	P	P
23	SONAWANE AKASH RAJENDRA	P	P	P	P	P	P
24	THOMBRE PRIYA BHAGUJI	P	P	P	P	P	P
25	TIPANE SHUBHAM SANJAY	P	P	P	P	P	P
26	TIPLE DISHA KARMAVIR	P	P	P	P	P	P
27	VAIDYA SHWETA VASANTRAO	P	P	P	P	P	P
28	WAGH YASHPAL HASRATH	P	P	P	P	P	P
29	YADAV VISHAL LAJJI	P	P	P	P	P	P
30	YELMOTE RUTUJA PRASHANT	P	P	P	P	P	P



  
**NOBLE PROFESSOR**  
**Course Coordinator**  
 Dept. of Research  
 SMRT Ayurved College & Hospital  
 Dharamangor, Tal. Igatpur Dist. 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 conducted 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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- I. 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.
- I. 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

Noted

Principal

Dr. Pradeep Bhabad.

**Principal**

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





SMBT Sevabhavi Trust's

## SMBT AYURVED COLLEGE AND HOSPITAL

Nandihills, Dhamangaon-Ghoti, Tal. Igatpuri, Nashik-422403 Ph: (02553) 282341  
Email: [principalayurved@smbt.edu.in](mailto:principalayurved@smbt.edu.in) | [smbtayurved@gmail.com](mailto:smbtayurved@gmail.com) | [www.smbt.edu.in](http://www.smbt.edu.in)

### 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

3<sup>rd</sup> year 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. Suvarna 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. Suvarna Chaudhari	Asst. Professor	Shalakyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik



**Attendance for Research Methodology Workshop Third Year  
Batch-B-(04-04-2021)**

Sr No	Name Of Student	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6
1	KOKATE SWAPNALI SANTOSHRAO	P	P	P	P	P	P
2	KUKAREJA MANISHA SHANKAR	P	P	P	P	P	P
3	LONDHE MOHINI VITTHALRAO	P	P	P	P	P	P
4	MAHAJAN TANAYA YASHWANT	P	P	P	P	P	P
5	MALODE DEVIPRASAD KISAN	P	P	P	P	P	P
6	MANDAGE ROHANKUMAR BALKRUSHNA	P	P	P	P	P	P
7	MISHRA SAUMYA SURESH	P	P	P	P	P	P
8	MULEY KAUSTUBH AVINASH	P	P	P	P	P	P
9	NAIK SWAPNALI BANDU	P	P	P	P	P	P
10	PATIL KALYANI VIKAS	P	P	P	P	P	P
11	PATIL MAYURI SANJAY	P	P	P	P	P	P
12	PATIL OJASWITA SHAHAJI	P	P	P	P	P	P
13	PATIL PRANALI ISHWAR	P	P	P	P	P	P
14	PATIL SAKSHI KANHAIYALAL	P	P	P	P	P	P
15	PATIL VARSHA RATILAL	P	P	P	P	P	P
16	PAWAR ANUJA ANIL	P	P	P	P	P	P
17	PAWAR JANHVI RUSTUM	P	P	P	P	P	P
18	SALUNKHE ANIL SHIVAJI	A	P	P	P	P	P
19	SAYAR PRANAV PREMSINGH	P	P	P	P	P	P
20	SHELKE SWATI CHANDRAKANT	P	P	P	P	P	P
21	SHINDE NIRANJAN ULHAS	P	P	P	P	P	P
22	SOLASE NIYATA YASHWANT	P	P	P	P	P	P
23	THAKARE SHRADDHA PARASHARAM	P	P	P	P	P	P
24	THETE OMKAR SOMNATH	P	P	P	P	P	P
25	TRIBHUVAN YOGESH RAOSAHEB	P	P	P	P	P	P
26	UGHADE TRUNALI SUBHASH	P	P	P	P	P	P
27	VENGURLEKAR ASHLESHA CHANDRASHEKHAR	P	P	P	P	P	P
28	WANKHEDE JIGNESH RAJARAM	A	P	P	P	P	P
29	WAYAL NIKITA DAMODHAR	P	P	P	P	P	P
30	YEWALE HEMANGI SHIVAJI	P	P	P	P	P	P



  
**HOD & PROFESSOR**  
**Course Coordinator**  
 SMRT Ayurved College Hospital  
 Dharampur, Tal. Igatpur, Dist. Solapur.





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13131 SMBT | 05/03/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 Dhamangaon, 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, Dhamangaon Nashik.
- 02) Dr Manasi Padhyegujar – HOD, Professor Department of Community Medicines, SMBT IMSR Center, Dhamangaon Nashik.
- 03) Dr. Vaibhav Phartale- Asso. Professor, Department of Kayachikitsa, Shri Saptashruni Ayurved College and Hospital, Nashik.
- 04) Dr Kiran Shinde- Asso. Professor, Department of Kaumarbhrutya Shri Saptashruni Ayurved College and Hospital, Nashik.
- 05) Dr Neelam Shrivastav- Asst. Professor. Department of Community Medicines, SMBT IMSR Center, Dhamangaon Nashik.
- 06) Dr. Shyam Ashtekar- Asso. Professor. Department of Community Medicines, SMBT IMSR Center, Dhamangaon Nashik.
- 07) Dr Shekhar Padhyegujar- Professor Department of Community Medicines, SMBT IMSR Center, Dhamangaon Nashik.
- 08) Dr Bharatbhushan Telang- Asst. Professor. Department of Community Medicines, SMBT IMSR Center, Dhamangaon Nashik.
- 09) Dr Parashuram Pawar- Professor, Department of Dravyaguna Shri Saptashruni Ayurved College and Hospital, Nashik.
- 10) 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 Saptashruni 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	Method	Time (Min.)	Speaker	Time
1	Registration, Breakfast and Pre - Test				09:00 am to 09:30 am
2	L-1: Introduction to Research Methodology	Lecture	45	Dr. Amit Gujrathi	09:30 am to 10:15 am

3	L-2 : Study Designs-1: Descriptive studies	Lecture	45	Dr. Amit Gujrathi	10:15 am to 11:00 am
4	L-3 : Study designs-2: Case Control and Cohort Studies	Lecture	45	Dr. Manasi Padhyegujar	11:00 am to 11:45 am
5	L-4 : Study Designs-3: Experimental studies	Lecture	45	Dr. Vaibhav Phartale	11:45 am to 12:30 pm
6	Lunch		30		12:30 pm to 01:00 pm
7	<p>Group Activity-1: Participants will be divided into 4 -5 groups.</p> <ul style="list-style-type: none"> <li>• Each group will discuss among itself and come out with at-least 2 research questions and related hypothesis</li> <li>• Indicate why the topic was selected by the group over other topic</li> <li>• Indicate the type of study with reasons thereof</li> <li>• Indicate dependent and independent variables included in the study</li> </ul> <p>(Tea may be served during group activity)</p>	Group Activity	60	Dr. Kiran Shinde Dr. Vaibhav Phartale	01:00 pm to 02:00 pm
8	L-5: Types of Data and Data Presentation	Lecture	60	Dr. Kiran Shinde	02:00 pm to 03:00 pm
9	L-6: Literature search	Lecture	45	Dr. Gunjal Ankush	03:00 pm to 03:45 pm

**DAY TWO - Date: 02.06.2021, Wednesday**

S. N	Topic	Method	Time (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 Activity	45	Dr. Ankush Gunjal Dr. Niphade Varsharani	09:30 am to 10:15 am
3	L-7: Sampling: Methods & Sample size	Lecture Demo	60	Dr. Ashtekar	10:15 am to 11:15 am
4	Group Activity-3: Participants will divide into groups as in GA-1. Each group will discuss and present <ul style="list-style-type: none"> <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	60	Dr. Ashtekar Dr. Telang	11:15 am to 12:15 pm
5	L-8: Inferential Statistics	Lecture	60	Dr. Shekhar Padhyegujar	12:15 pm to 01:15 pm
6	Lunch		30		01:15 pm to 01:45 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	01:45 pm to 02:30 pm
8	L-9: Questionnaire Designing	Lecture	45	Dr. Parshuram Pawar	02:30 pm to 03:15 pm
9	L-10: Writing a research protocol	Lecture	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



	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 Saptashruni Ayurved Mahavidyalay & Hospital, Nashik)

**Dr. Jai Kini** :- (YMT Ayurvedic Medical College & Hospital. PG Institute, Navi Mumbai)

**Dr. Kavita Patil** :- (Shree Saptashruni Ayurved Mahavidyalay & Hospital, Nashik)

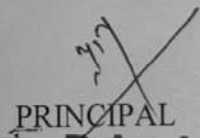
**Dr. Vaibhav Phartale** :- (Shree Saptashruni Ayurved Mahavidyalay & Hospital, Nashik)

**Dr. Kiran Shinde** :- (Shree Saptashruni Ayurved Mahavidyalay & Hospital, Nashik)



Workshop Coordinator

Dr Varsharani Niphade.



PRINCIPAL  
**Principal**

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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	P	—	—
2	Dr. Manasi Padhyegujar	P	—	P
3	Dr. Vaibhav Phartale	P	—	—
4	Dr. Kiran Shinde	P	—	—
5	Dr. Shekhar Padhyegujar	—	P	P
6	Dr. Parshuram Pawar	—	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	P	P	P
14	Ghate Ruchiketan	P	P	P
15	Dr. Musale Prasad	P	P	P
16	Anjali Pawankumar	P	P	P
17	Vikram Pagar	P	P	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	P
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	P	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

**Principal**  
 SMBT Ayurved College & Hospital  
 Nashik, Dhamangaon, Tal. Igatmuri, Dist. Nashik





**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:-**

- 1) Dr. AmitGujarathi- Asso. Professor. Department of Community Medicines, SMBT IMSR Center, DhamangoanNashik.
- 2) Dr. ManasiPadhyegujar – HOD, Professor Department of Community Medicines, SMBT IMSR Center, DhamangoanNashik.
- 3) Dr. VaibhavPhartale- Asso. Professor, Department of Kayachikitsa, ShriSaptashruni Ayurved College and Hospital, Nashik.
- 4) Dr. KiranShinde- Asso. Professor, Department of KaumarbhrutyaShriSaptashruni Ayurved College and Hospital, Nashik.
- 5) Dr. NeelamShrivastav- Asst.Professor. Department of Community Medicines, SMBT IMSR Center, DhamangoanNashik.
- 6) Dr. ShyamAshtekar- Asso. Professor. Department of Community Medicines, SMBT IMSR Center, DhamangoanNashik.
- 7) Dr. ShekharPadhyegujar- Professor Department of Community Medicines, SMBT IMSR Center, DhamangoanNashik.
- 8) Dr. BharatbhushanTelang- Asst.Professor. Department of Community Medicines, SMBT IMSR Center, DhamangoanNashik.
- 9) Dr. ParashuramPawar- Professor, Department of DravyagunaShriSaptashruni Ayurved College and Hospital, Nashik.
- 10) 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, ShriSaptashruni Ayurved College and Hospital, Nashik.

**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	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. Amit Gujrathi	10:00 am to 10:45 am
3	L-2 : Study Designs-1: Descriptive studies	Lecture	45	Dr. Amit Gujrathi	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 Padhyegujar	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	<p>Group Activity-1: Participants will be divided into 4 -5 groups.</p> <ul style="list-style-type: none"> <li>• Each group will discuss among itself and come out with at-least 2 research questions and related hypothesis</li> <li>• Indicate why the topic was selected by the group over other topic</li> <li>• Indicate the type of study with reasons thereof</li> <li>• Indicate dependent and independent variables included in the study</li> </ul> <p>(Tea may be served during group activity)</p>	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
10	L-6: Literature search	Lecture	45	Dr. Neelam	04:15 pm to 05:00 pm

**DAY TWO - Date: 18.05.2021, Tuesday**

S · N	Topic	Method	Time (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 Activity	45	Dr. Neelam Dr. Amit Gujrathi	09:30 am to 10:15 am
3	L-7: Sampling: Methods & Sample size	Lecture Demo	60	Dr. Ashtekar	10:15 am to 11:15 am
4	Group Activity-3: Participants will divide into groups as in GA-1. Each group will discuss and present <ul style="list-style-type: none"> <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. Ashtekar Dr. Telang	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. Telang	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	Tea		15		03:45 pm to 04:00 pm
10	L-10: Writing a research protocol	Lecture	60	Dr. Amit Naik	04:00 pm to 05:00 pm


**DAY THREE - Date: 19.05.2021, Wednesday**

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	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

					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. Manasi Padhyegujar Dr. Neelam	01:45 pm to 03:00 pm
8	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 Info.	Lecture	45	Dr. Ashtekar	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. Amit Naik** :- (SMBT Institute of Medical Sciences & Research Center, Dhamangaon, Nashik)
- Dr. Kavita Patil** :- (Shree Saptashrunji Ayurved Mahavidyalay & Hospital, Nashik)
- Dr. Vaibhav Phartale** :- (Shree Saptashrunji Ayurved Mahavidyalay & Hospital, Nashik)
- Dr. Kiran Shinde** :- (Shree Saptashrunji 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

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	—	P
3	Dr. Vaibhav Phartale	P	—	—
4	Dr. Kiran Shinde	P	—	—
5	Dr. Shekhar Padhyegujar	—	P	P
6	Dr. Parshuram Pawar	—	P	P
7	Dr. Jai Kini	—	P	—
8	Dr. Bharatbhushan Telang	—	P	—
9	Dr. Shyam Ashteka	—	P	P
10	Dr. Neelam	P	P	P
11	Dr. Kavita Patil	—	—	P





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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	P	P	P
7	Dr. Sachin Prakash Gwalani	P	P	P
8	Dr. Pallavi alias Priyanka Raosaheb Patil	P	P	P
9	Dr. Pallavi Dattatray Nikam	P	P	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	P	P	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	P	P	P
22	Dr. Darshan Balkrishna Sarmalkar	P	P	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	P	P
29	Dr. Darshana Sharad Sonawane	P	P	P
30	Dr. Vidya Jaywant Varkute	P	P	P
31	Dr. Snehal Ramchandra Pansare	P	P	P
32	Dr. Vijay Jadhav	P	P	P
33	Dr. Yogesh Balasaheb Kadale	P	P	P





34	Dr. Priyanka Rajendra Chaudhari	P	P	P
35	Dr. Shraddha Satyanarayan Shirsath	P	P	P
36	Dr. Faisal Arif Khan	P	P	P
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	P	P	P
41	Dr. Aarti Kunde	P	P	P
42	Dr. Vaishnavi Anil Sarangdhar	P	P	P
43	Dr. Sayali Ramesh Sakpal	P	P	P
44	Dr. Monali Ghanshyam Khune	P	P	P
45	Dr. Pooja Ambadas Adole	P	P	P
46	Dr. Pratiksha Ramdas Balki	P	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

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

*(Signature)*  
**Vd. Pradeep R. Bhabad**  
 Principal  
 SMBT Ayurved College, Dhamangaon Nashik

**Principal**  
 S.M.B.T. Ayurved College & Hospital  
 Wandi-Hills, Dhamangaon Nashik





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REF.No.: 1313/SMBT/DS/11/3/RM/2021

Date- 27/07/2021

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

SMBT AYURVED COLLEGE AND HOSPITAL, Nandi hills, Dhamangaon, Tal-Igatpuri, 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 Ayurved 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



Principal  
Principal

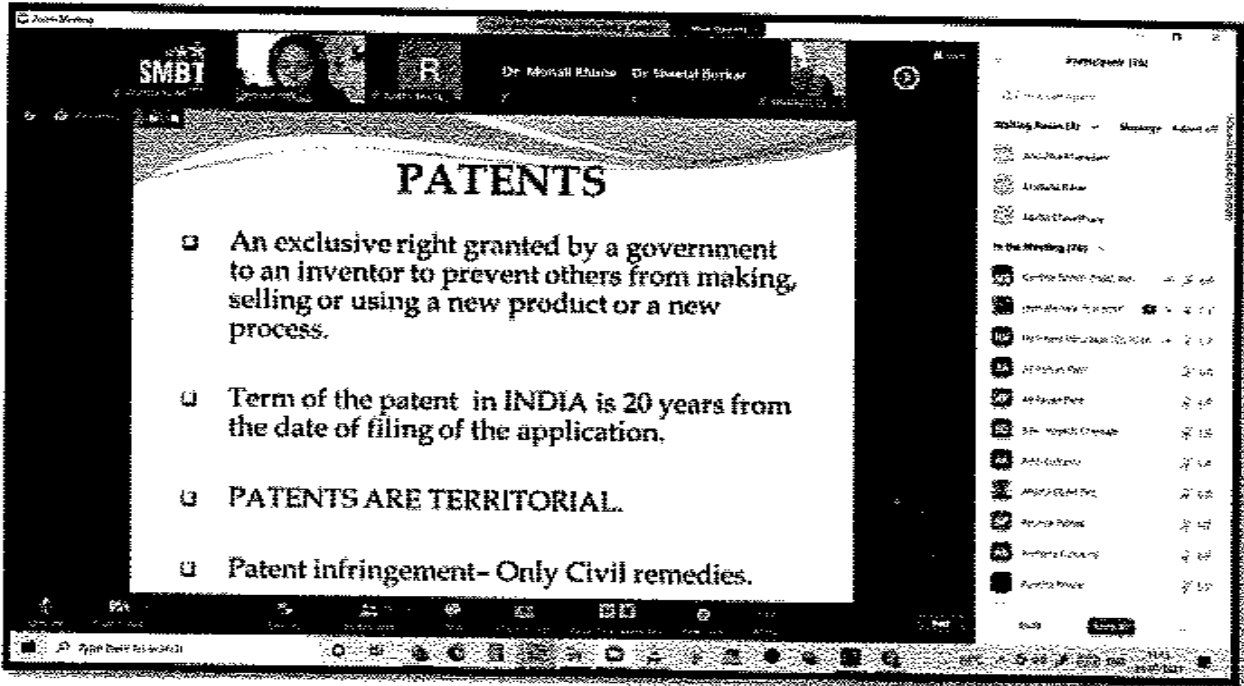
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**NATIONAL WEBINAR ON INTELLECTUAL PROPERTY RIGHTS**



**SMBT AYURVED COLLEGE & HOSPITAL, PG RESEARCH CENTRE**  
 Nandihills, Dhamangaon Tal. Igatpur, Dist. Nashik  
 (M.S.) 422403 | 02553 282341

Invites you for the online Webinar on  
**INTELLECTUAL PROPERTY RIGHTS**

**DR. FRODOO BHASKAR**  
 Director, SMT's Ayurved Research & Development Centre

**DR. ANURAG GURJEL**  
 Asst. Prof.

**DR. SHRINIS PARGA**  
 Asst. Prof.

**DR. JYOTSNA NATH**  
 Asst. Professor, Director of Intellectual Property

**DR. SHUBHATE VADHANE**  
 Asst. Professor, Director of Intellectual Property

**DR. JYESH THAKUR**  
 Asst. Professor

**TO JOIN WEBINAR LIVE IN THE FOLLOWING LINKS:**  
<https://www.zoom.us/j/85282778787>  
<https://www.zoom.us/j/85282778787>

**REGISTRATION LINK FOR THE WEBINAR:**  
<https://www.smbt.edu.in/2021/09/09/85282778787>





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Ref. No – 1354/SMBT/05/MET/Gen-01

Date-01/10/2021

## CIRCULAR - 01

1. 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.
3. Lectures :  
As per schedule in brochure.
4. Please note attendance is compulsory for those who have registered the course.
5. Please acknowledge.

Distribution –  
Notice Board



~~Principal~~  
Principal  
SMBT Ayurved College & Hospital  
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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--

#### 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. When the anticipated benefits clearly outweigh the risk, then only can start the clinical trials.





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- 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 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, inappropriate 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.



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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, Dadimadi Ghрут 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 (Rule 157B)} of Drugs & 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.

There 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. 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 used.

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- Pharmacovigilance 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.
- 2) 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  
SECRETARY

Dr. Varsharani Niphade  
HSET CELL  
COORDINATOR

Dr. Pradeep Bhabad  
PRINCIPAL  
Principal

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





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Email : principal.ayurved@smbt.edu.in | smbtayurved@gmail.com | www.smbt.edu.in

### 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

GOOD CLINICAL PRACTICES				
Day-1				
Thursday-7th October 2021				
S.No.	Name of Topics	Speaker	Designation	Time
1	Registration and Breakfast	-	-	9am To 9.30 am



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2	Pretest and Inauguration		-	9.30am to 10.0 am
3	Introduction of ICH-GCP	Dr. Satish Urhe	Asst. Professor, Department of Panchakarma. SMBT Ayurved college	10.am to 10.45am
4	Principles of ICH-GCP	Dr. Varsharani Niphade	Asso. Professor, Department of Kayachikitsa. SMBT Ayurved college	10.45am to 11.30am
5	Roles and Responsibilities of IEC	Dr. Ankush Gunjal	Asso. Professor, Department of Kayachikitsa. SMBT Ayurved college	11.30am to 12.15 pm
6	Informed Consent	Dr. Shilpa Badhe	Professor, Department of Shalyatantra. SMBT Ayurved college	12.15 pm to 1 pm
Lunch Break				
7	Protocol Elements	Dr. Viraj Kelkar	Asst. Professor, Department of Agadatantra. 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 Agadatantra. SMBT Ayurved 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 2021**

### GOOD CLINICAL PRACTICES

Day-2

Thursday-8th October 2021

S.No	Name of Topics	Speaker	Designation	Time
1	Medical Negligence & Laws of GCP	Dr. Kiran Mantri	Asso. Professor, Department of Agadatantra. SMBT Ayurved college	9.30 to 10.am





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2	Vulnerable Population	Dr. Shilpa Badhe	Professor, Department of Shalyatantra. SMBT Ayurved college	10.am to 10.45 am
3	Mana Paribhasha( Ayurveda Mana Paribhasha)	Dr. Santosh Niphade	Asst. Professor, Department of RSBK. SMBT Ayurved college	10.45am to 11.15 am
4	GMP & Formulations of Ayurvedic Medicines	Dr. Sunita Bhusare	Asso. Professor, Department of RSBK. SMBT Ayurved college	11.15am to 12. pm
5	GCP and Standard Pancharma Procedures	Dr. Anushree Netke	Asso. Professor, Department of Panchakarma. SMBT Ayurved college	12pm to 12.45pm
<b>Lunch Break</b>				
6	Adverse Drug Reaction	Dr. Amol Gulve	Asst. Professor, Department of Kayachikitsa. SMBT Ayurved college	1.30 pm to 2.15 pm
7	Pharmacovigilence	Dr. Rajesh Wankhede	Professor, Department of Dravyagunvidnyan. SMBT Ayurved college	2.15 pm to 3 pm
8	Healthy Lifestyle	Dr. Vaishali Bhabad	Professor, Department of Swasthavritta SMBT Ayurved 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**







SMBT Sevabhavi Trust's

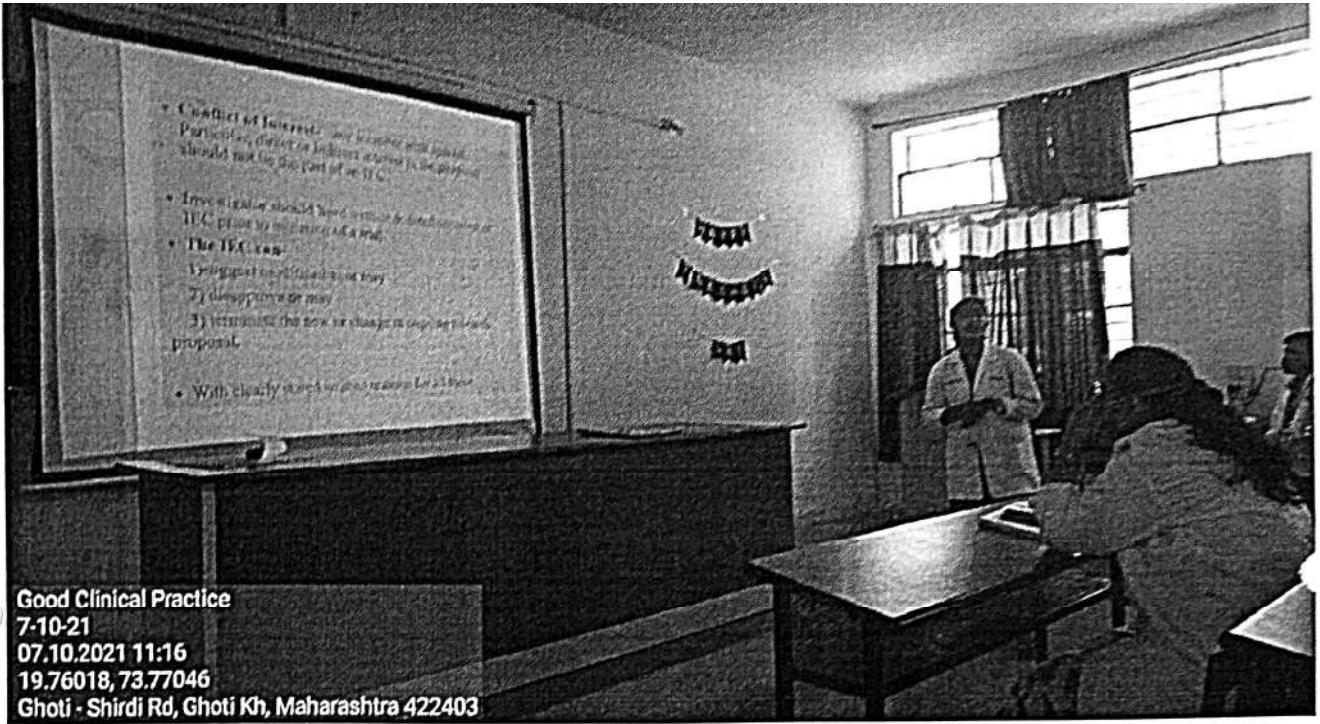
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**Good Clinical Practices Workshop 07<sup>th</sup> & 08<sup>th</sup> Oct 2021****DELEGATES ATTENDANCE**

Sr No	Name of Faculty	Day 1 <sup>st</sup> 07 <sup>th</sup> Oct	Day 2 <sup>nd</sup> 08 <sup>th</sup> Oct
1y	DR. Pradnya Deshmukh	P	P
2y	DR. Manisha Gavit	P	P
3y	DR. Mayuri Nagre	P	P
4y	DR. Darshna Borkar	P	P
5y	DR. Pallavi Bansaheb Patil	P	P
6y	DR. Sakshi P. Waghmare	P	P
7y	DR. Mohini M. Jadhav	P	P
8y	DR. Nivedita V. Dhanvijay	P	P
9y	DR. Anil Wagh	P	P
10y	DR. Bhashan Dhale	P	P
11y	DR. Amal Gulve	P	P
12y	DR. Vijay Suryawanshi	P	P
13y	DR. Kiran Pantri	P	P
14y	DR. Ganikwad Nith	P	P
15y	DR. Bachana Aware	P	P
16y	DR. Santosh Niphade	P	P
17y	DR. Tyoti Nirbhavane	P	P
18y	DR. Pooja Adde	P	P
19y	DR. Manali G. Khune	P	P
20y	DR. Sagali Sakpal.	P	P
21y	DR. Vaishnavi Sarangdhar	P	P
22y	DR. Shradha P. Jadhav	P	P
23y	DR. Prachi K. Suryawanshi	P	P
24y	DR. Pratiksha R. Balki	P	P
25y	DR. Snehal R. Pansare	P	P
26y	DR. Anjali B. Kesavjiya	P	P
27y	DR. Priyanka Dhodade	P	P
28y	DR. Yogesh B. Kudale	P	P
29y	DR. Vidya J. Varkute	P	P
30y	DR. Darshana S. Sonawane	P	P



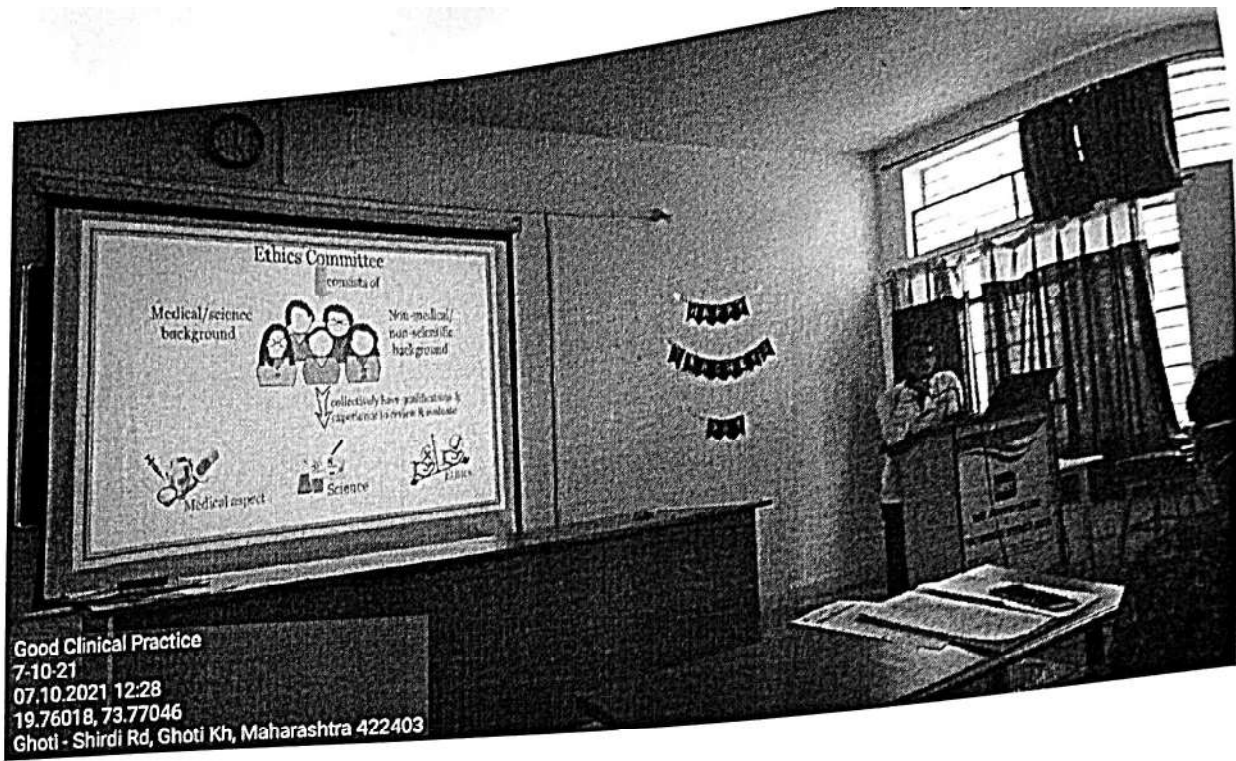


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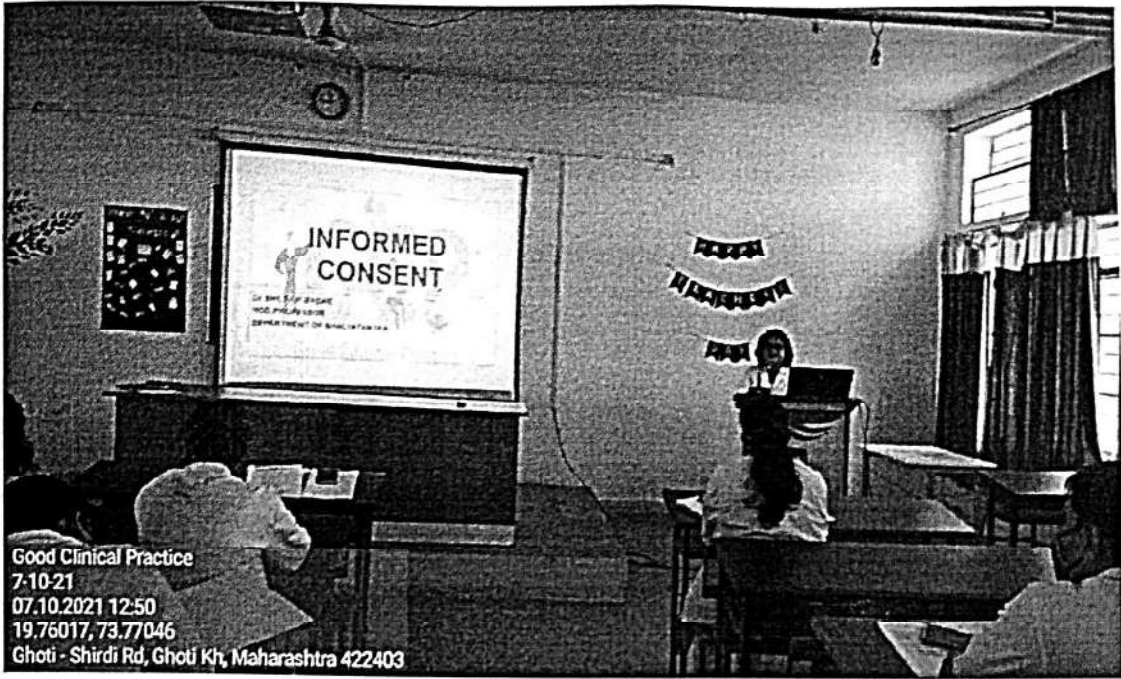
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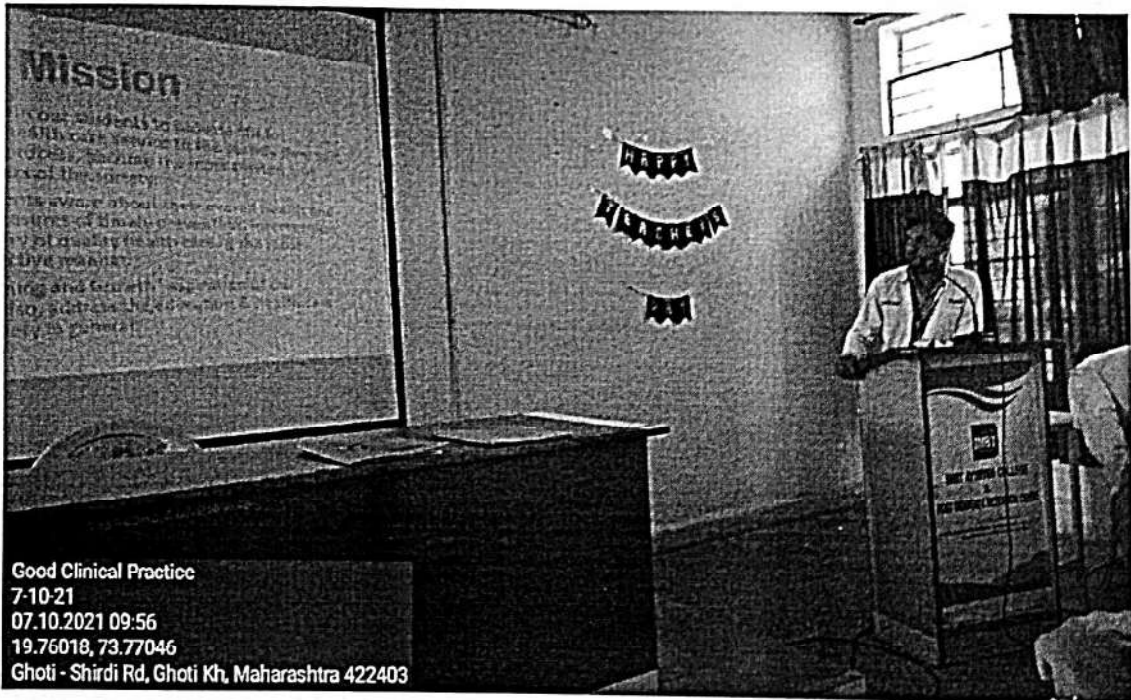
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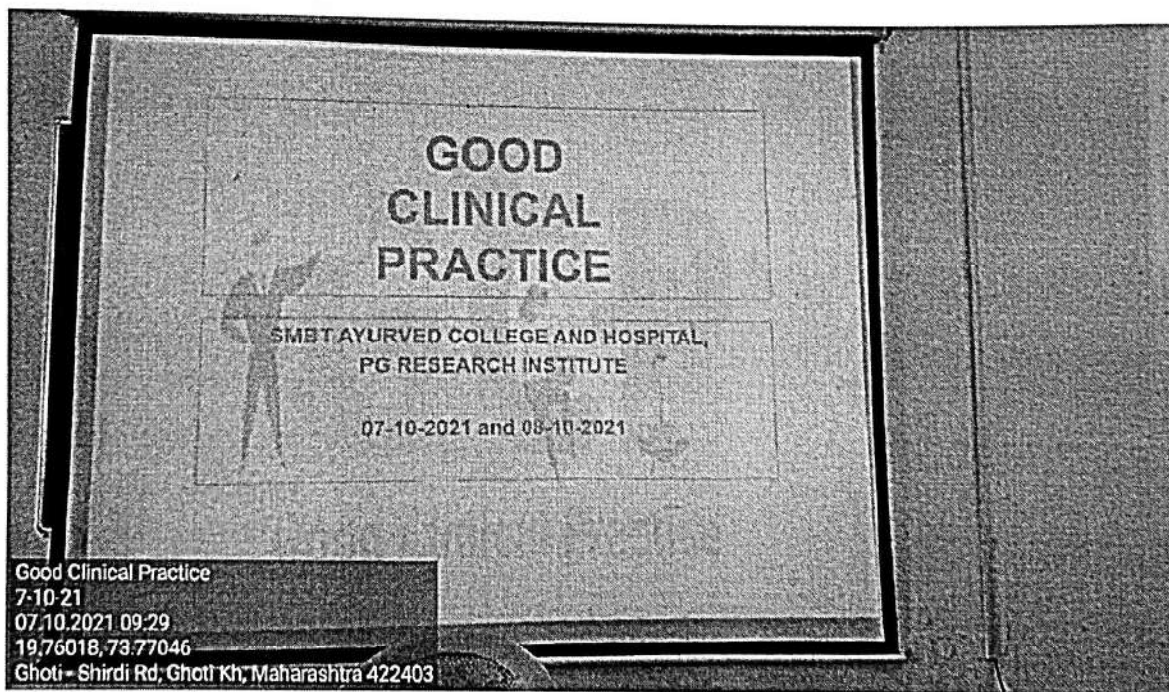
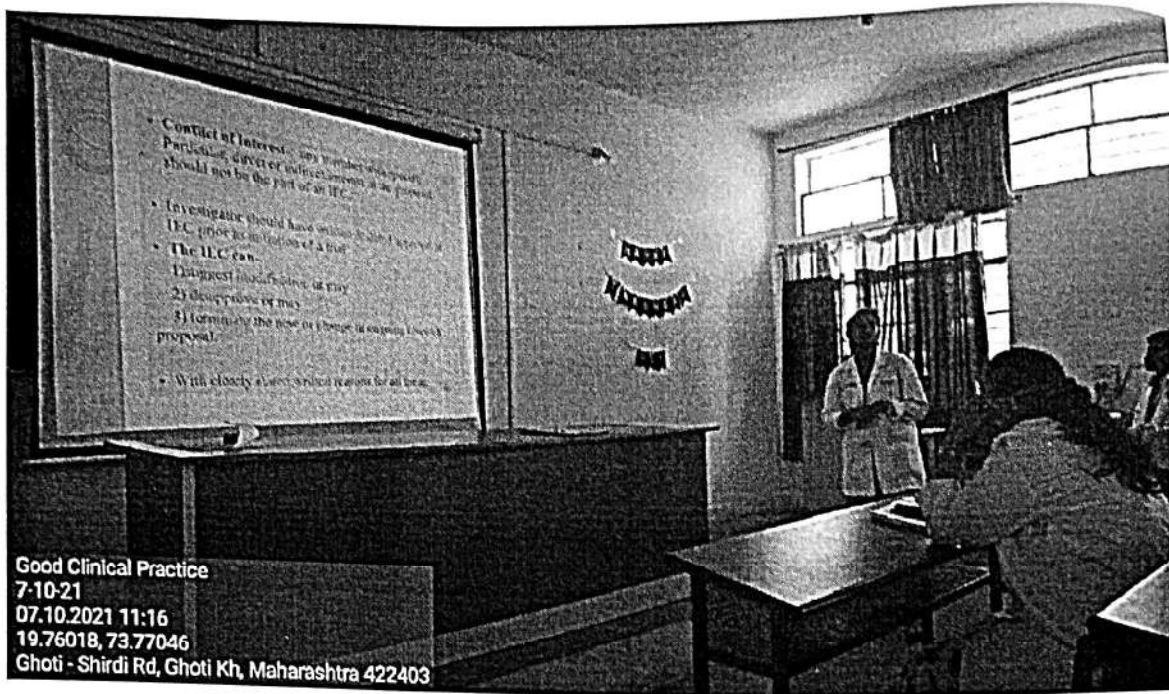


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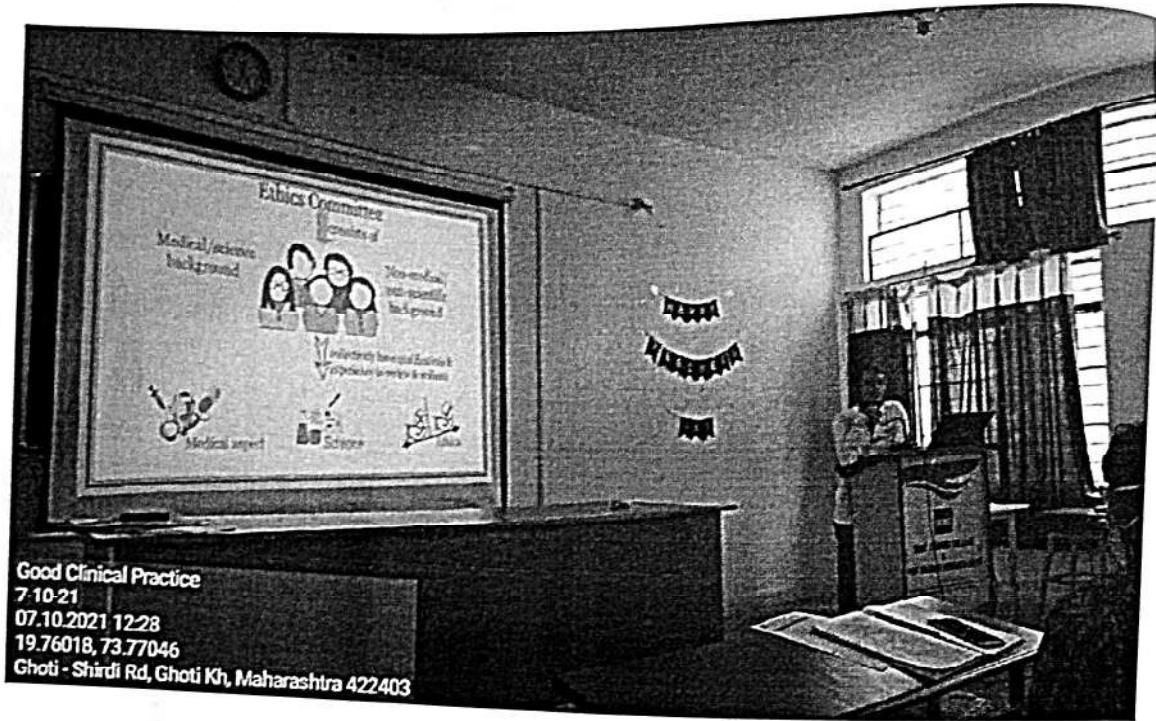
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7/26

## ANEXURES REQUIRED

- Case Record Forms (CRFs)
- Letters from ethics committees
- Questionnaires
- Patient information form (in required languages)
- Consent form (in regional language/s)
- Budget estimation
- CV of investigators/co-investigators

Unmute Start Video Share Participants 30 More





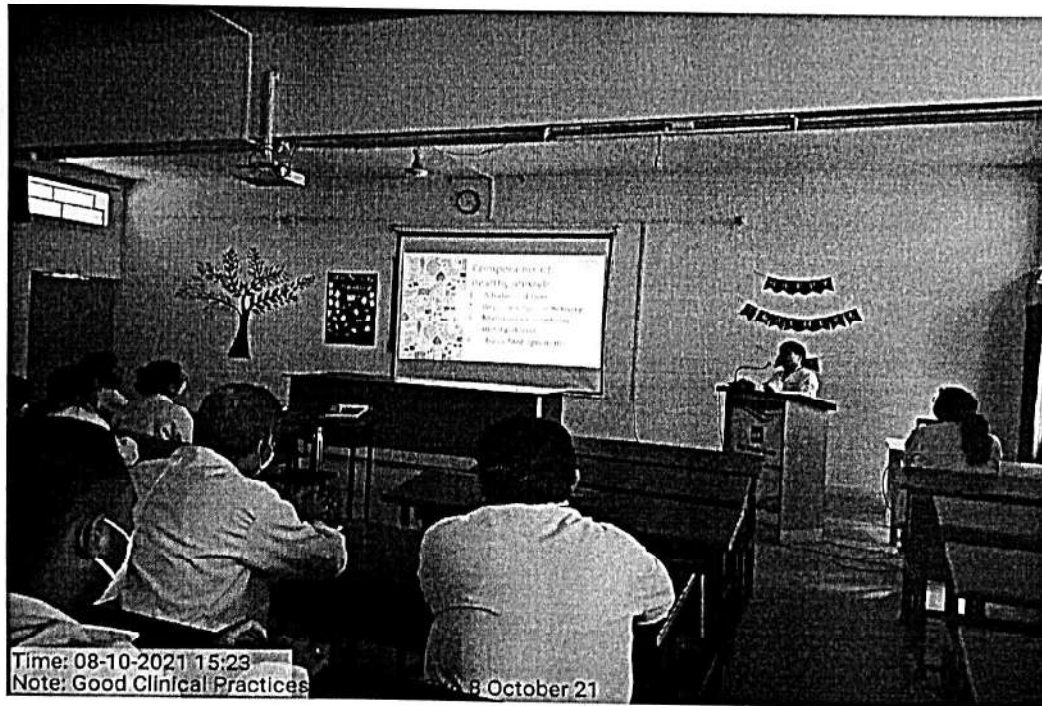
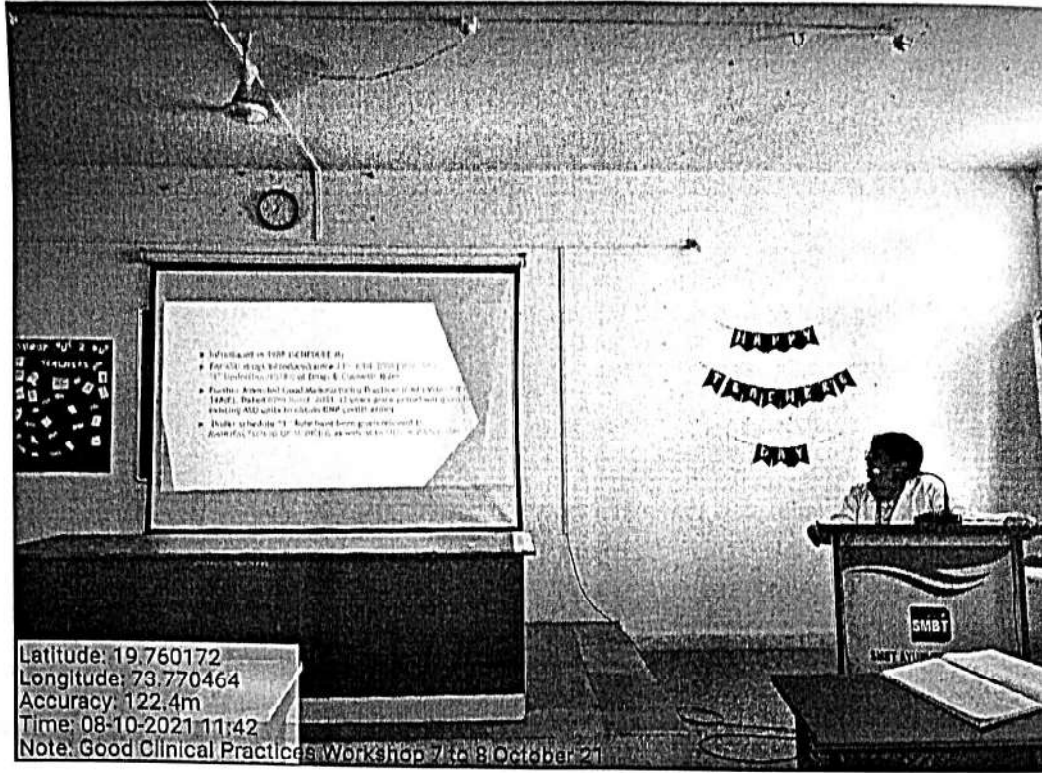
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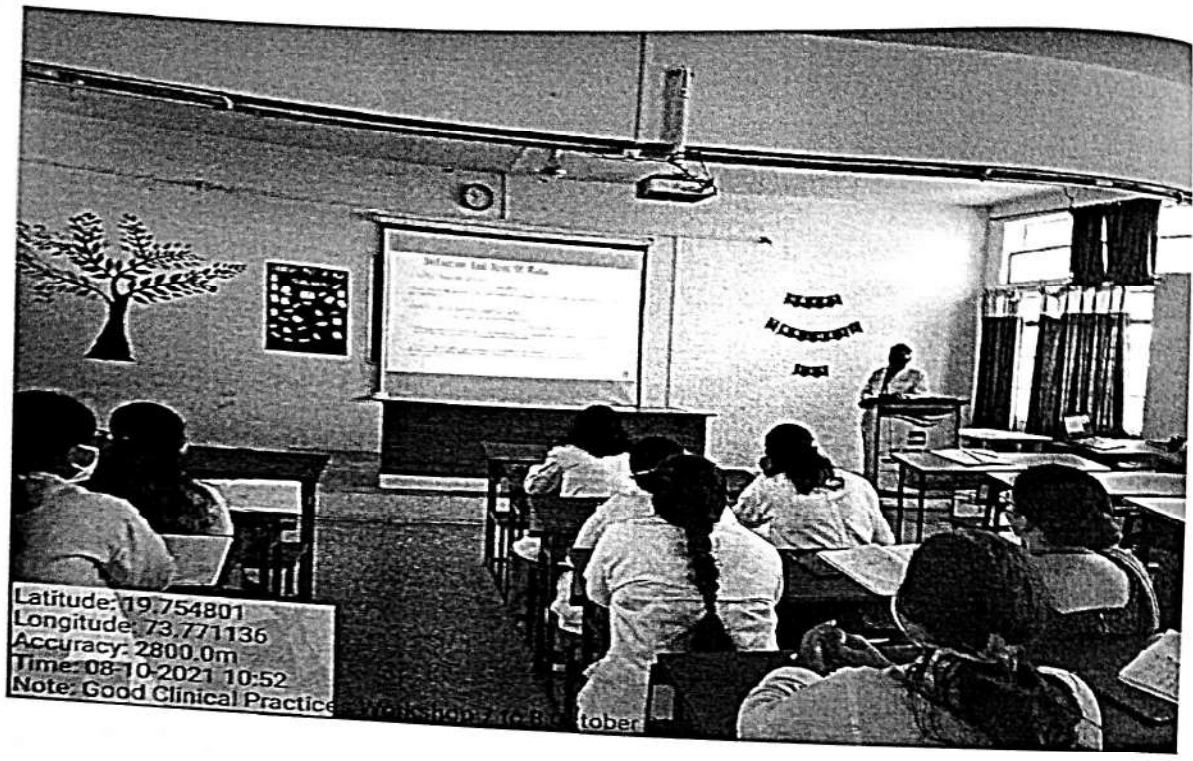
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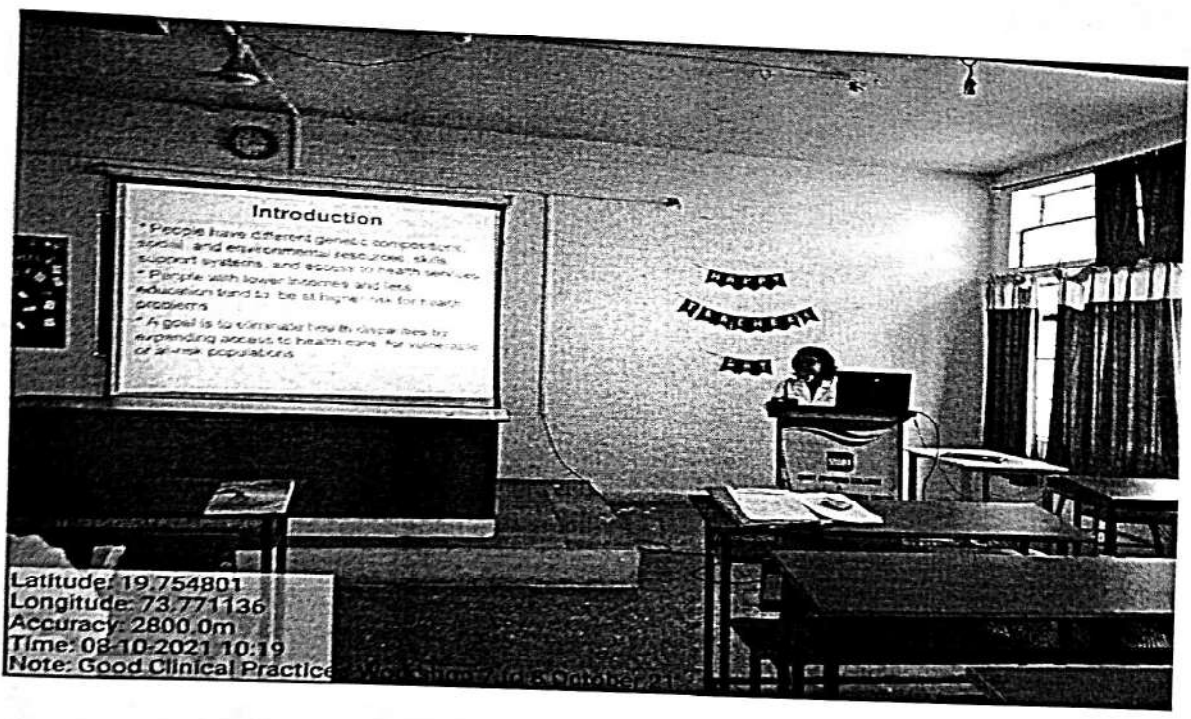






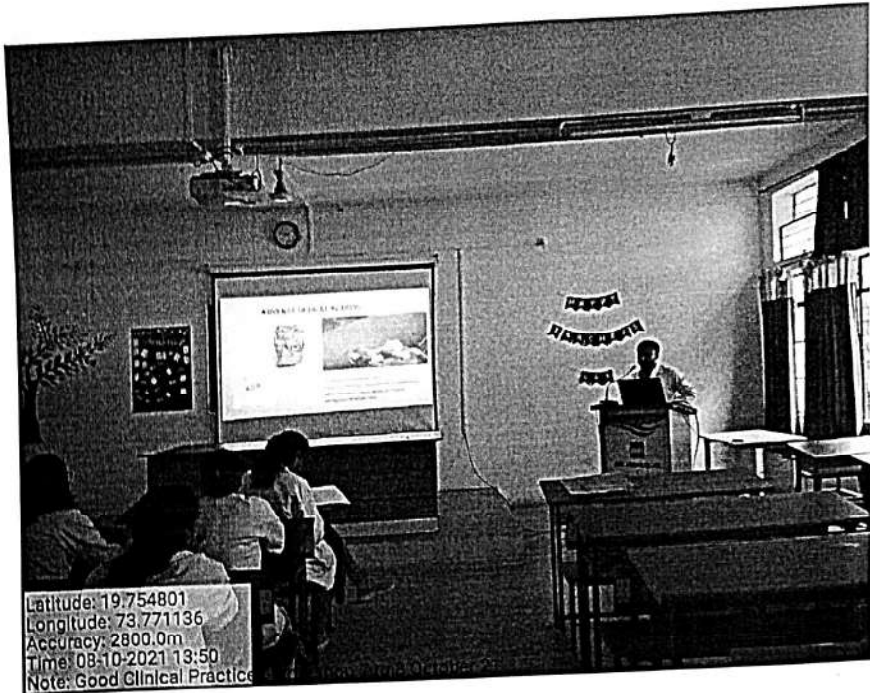


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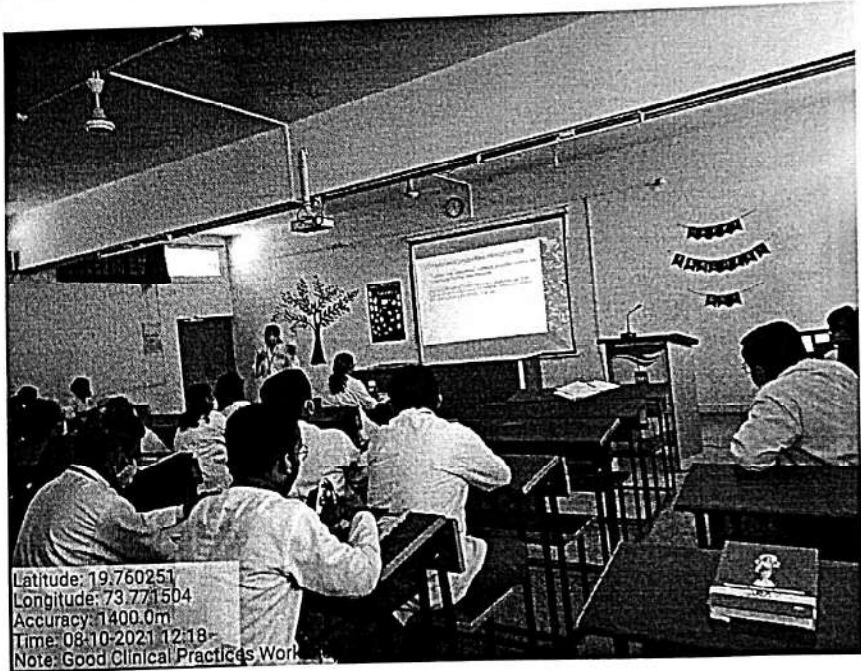


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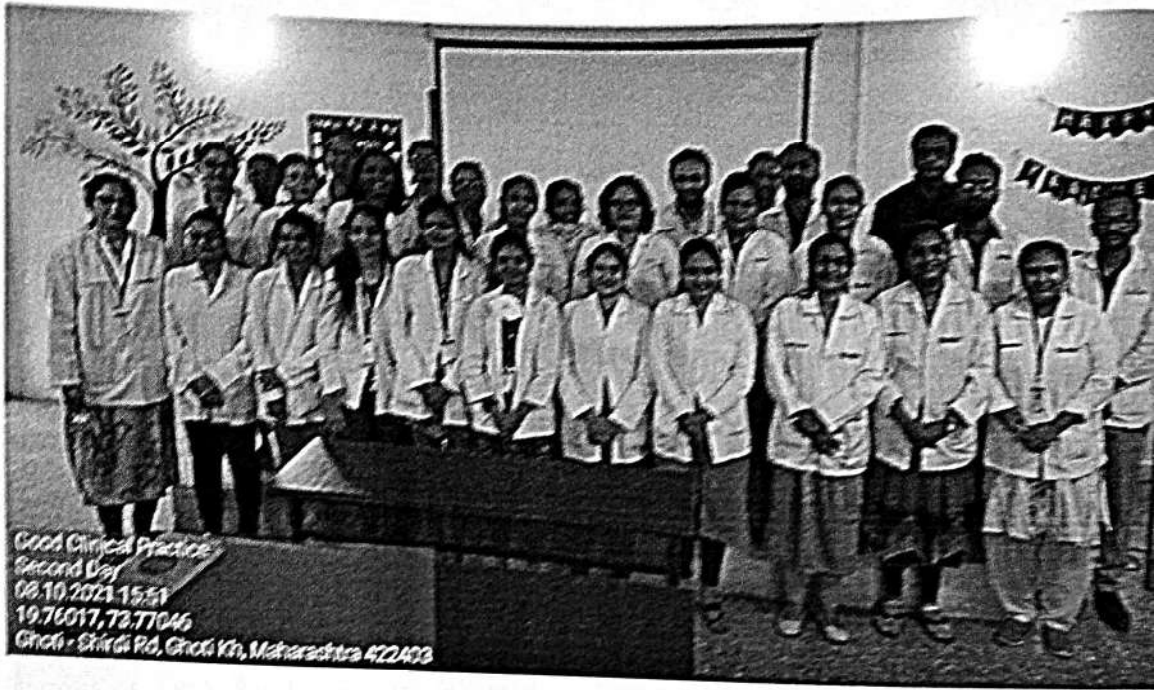


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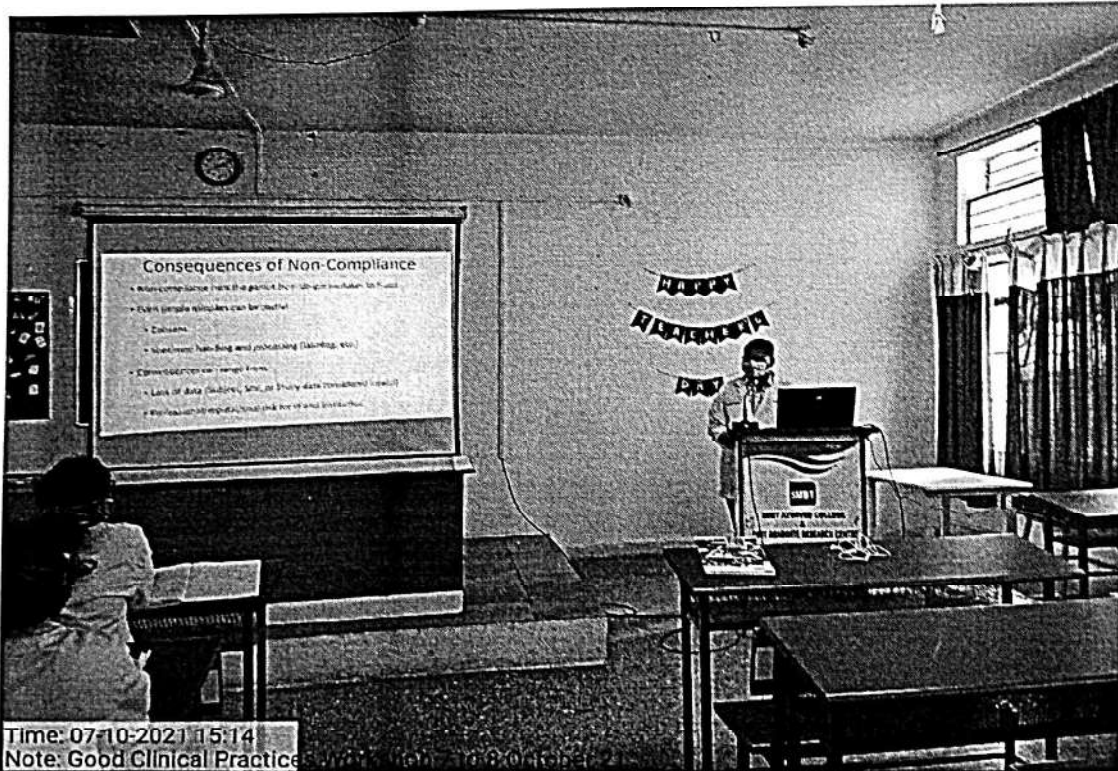
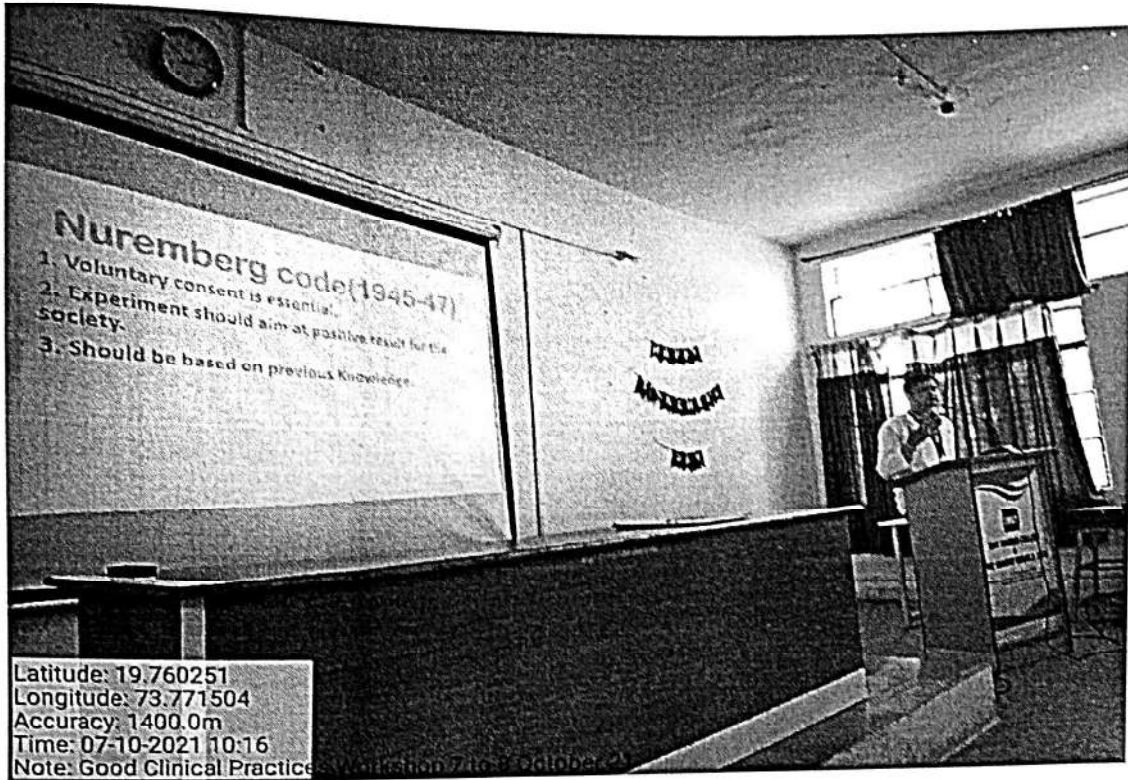


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Date :- 11/10/2021

Good clinical practices workshop 7<sup>th</sup>& 8<sup>th</sup> Oct 2021

### Workshop Evaluation Sheet

NAME OF DELEGATES	PRE TEST	POST TEST	GRADES	SIGN OF TRAINER
Dr. Pradnya Deshmukh	10	15	PASS A	
Dr. Manisha Gavit	11	15	PASS A	
Dr. Darshna Borkar	8	14	PASS A	
Dr . Mayuri Nagre	10	11	PASS B	
Dr. Pallavi Patil	9	15	PASS A	
Dr. Sakshi Waghmare	13	14	PASS A	
Dr. MohiniJadhav	9	11	PASS B	
Dr. Nivedita Dhanvijay	12	13	PASS A	
Dr. Anil Wagh	9	12	PASS A	
Dr. Roshan Dhale	9	12	PASS A	
Dr. Amol Gulve	13	13	PASS A	
Dr. Vijay Suryawanshi	13	12	PASS A	
Dr. Kiran Mantri	11	13	PASS A	
Dr. Gaikwad Nitin	9	12	PASS A	
Dr. Rachana Aware	9	12	PASS A	
Dr . Santosh Niphade	9	13	PASS A	



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Dr. Jyoti Nirbhavne	11	13	PASS A	
Dr. Pooja Adole	7	10	PASS C	
Dr. Monali Khure	10	12	PASS A	
Dr. Sayali Sakpal	9	12	PASS A	
Dr. Vaishnvi Sarangdhar	9	12	PASS A	
Dr. Shraddha Jadhav	10	13	PASS A	
Dr. Prachi Suryawanshi	10	14	PASS A	
Dr. Pratiksha Balki	11	11	PASS B	
Dr. Snehal Pansare	11	12	PASS A	
Dr. Anjali . K	10	12	PASS A	
Dr. Priyanka Dhodade	9	11	PASS B	
Dr. Yogesh Kudale	10	13	PASS A	
Dr. Vidya Varkute	11	12	PASS A	
Dr. Darshana Sonawane	10	12	PASS A	

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

1. 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.
3. 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  
Nandihills, Dhamangaon Tal Igatpuri Dist Nashik.

Distribution –  
Notice Board







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## PUBLICATION ETHICS FOR RESEARCH

## GOOD CLINICAL PRACTICES

Day-1

Thursday-29<sup>th</sup> December 2021

S.No.	Name of Topics	Speaker	Designation	Time
1	Pretest and Inauguration			9.30 am to 10am
2	Introduction of ICH-GCP	Dr. Satish Urhe	Asst. Professor, Department of Panchakarma. SMBT Ayurved college	10 am to 10.45am
3	Principles of ICH-GCP	Dr. Varsharani Niphade	Asso. Professor, Department of Kayachikitsa. SMBT Ayurved college	10.45 am to 11.30 am
4	Roles and Responsibilities of IEC	Dr. Ankush Gunjal	Asso. Professor, Department of Kayachikitsa. SMBT Ayurved college	11.30 am to 12.15 pm
5	Informed Consent	Dr. Shilpa Badhe	Professor, Department of Shalyatantra. SMBT Ayurved college	12.15 pm to 1 pm
Lunch Break				
7	Protocol Elements	Dr. Varsharani Niphade	Asso. Professor, Department of Kayachikitsa. SMBT Ayurved college	1.45 pm to 2.45 pm
8	Roles and Responsibilities of Investigator and Sponsor	Dr. Jitesh Thakur	Asst. Professor, Department of Kaumarbharitya. SMBT Ayurved college	2.45 pm to 3.30 pm



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COURSE CODE - SMVA10

Course Coordinator-- Dr Varsharani Niphade

Course Date- 29th and 30th December 2021

### GOOD CLINICAL PRACTICES

Day-2

Thursday-30th December 2021

S.No.	Name of Topics	Speaker	Designation	Time
1	Medical Negligence & Law of GCP	Dr. Kiran Mantri	Asso. Professor, Department of Agadtantra. SMBT Ayurved college	9.30 am to 10 am
2	Vulnerable Population	Dr. Shilpa Badhe	Professor, Department of Shalyatantra. SMBT Ayurved college	10 am to 10.45 am
3	Mana Paribhasha( Ayurveda Mana Paribhasha)	Dr. Santosh Niphade	Asst. Professor, Department of RSBK. SMBT Ayurved college	10.45 am to 11.15 am
4	GMP & Formulations of Ayurvedic Medicines	Dr. Sunita Bhusare	Asso. Professor, Department of RSBK. SMBT Ayurved college	11.15 am to 12 pm
5	GCP and Standard Pancharma Procedures	Dr. Anushree Netke	Asso. Professor, Department of Panchakarma. SMBT Ayurved college	12 pm to 12.45 pm
Lunch Break				
6	Adverse Drug Reaction	Dr. Amol Gulve	Asst. Professor, Department of Kayachikitsa. SMBT Ayurved college	1.30 pm to 2.15 pm
7	Pharmacovigilence	Dr. Rajesh Wankhede	Professor, Department of Dravyagunvidnyan. SMBT Ayurved college	2.15 pm to 3 pm



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	Healthy Lifestyle	Dr. Vaishali Bhabad	Professor, Department of Swasthavritta SMBT Ayurved college	3 pm to 3.30 pm
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**COURSE CODE - SMVA10**

**Course Coordinator-- Dr Varsharani Niphade**

**Course 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 trial.
- 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.

### 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



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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.
- 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.

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, 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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### 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

Mana Paribhasha..

The meaning of Mana is Measures- through which the weight, volume, length of substance is weighed or measured.

Without 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 & 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-Pharmacovigilance 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.
- 2) 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  
COORDINATOR

**Dr. Pradeep Bhabad**  
PRINCIPAL

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

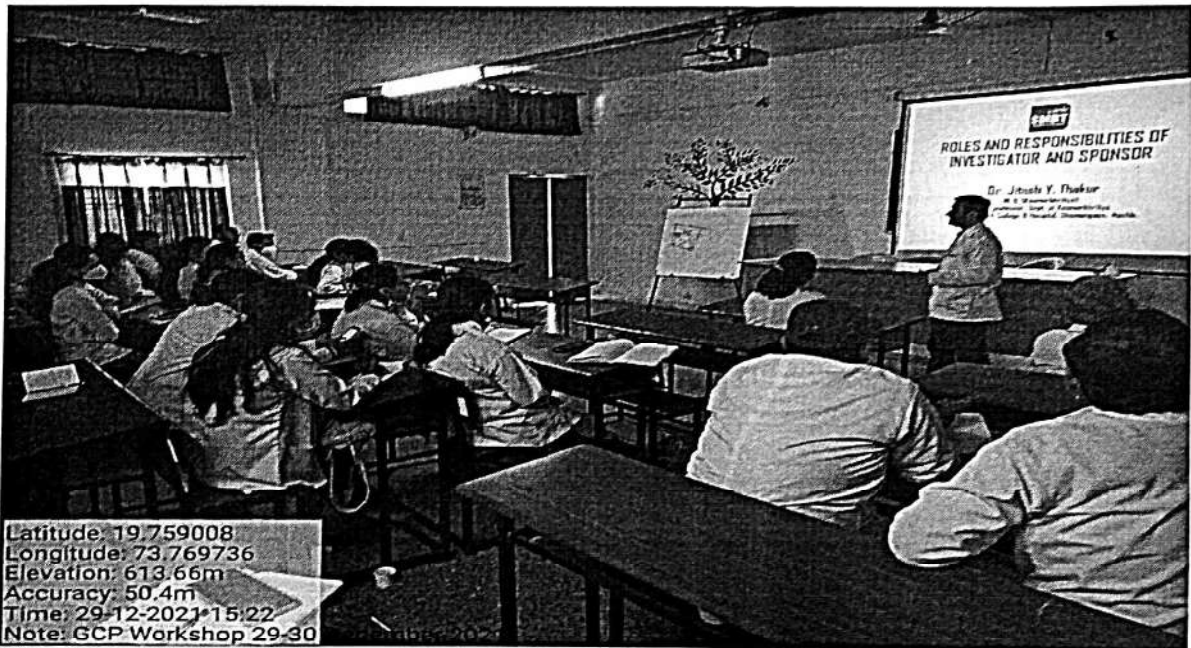
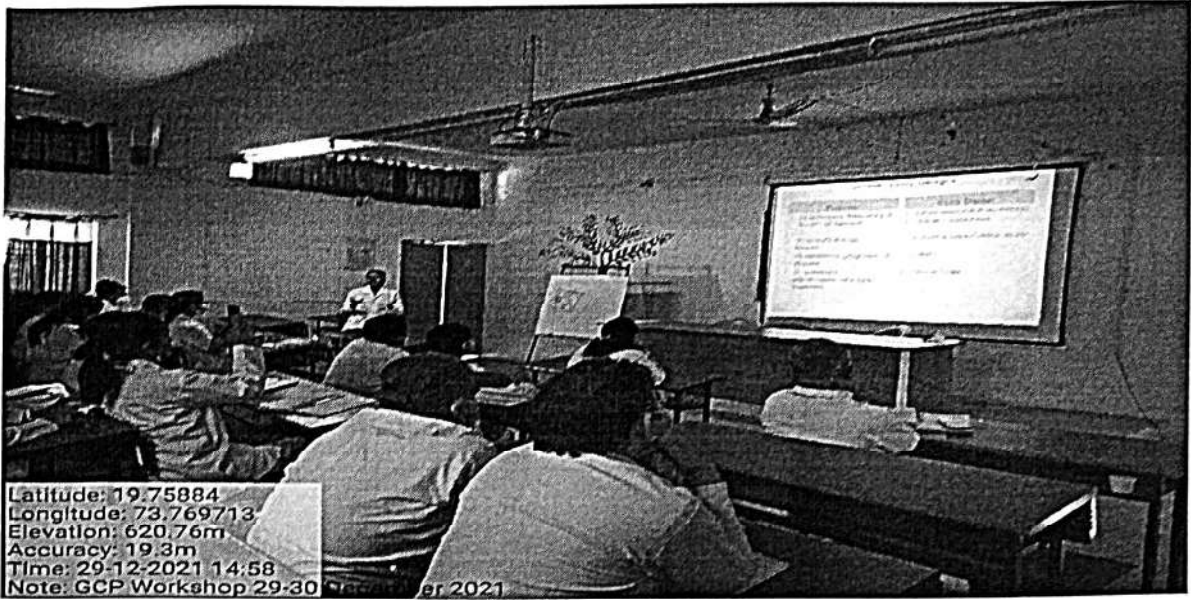




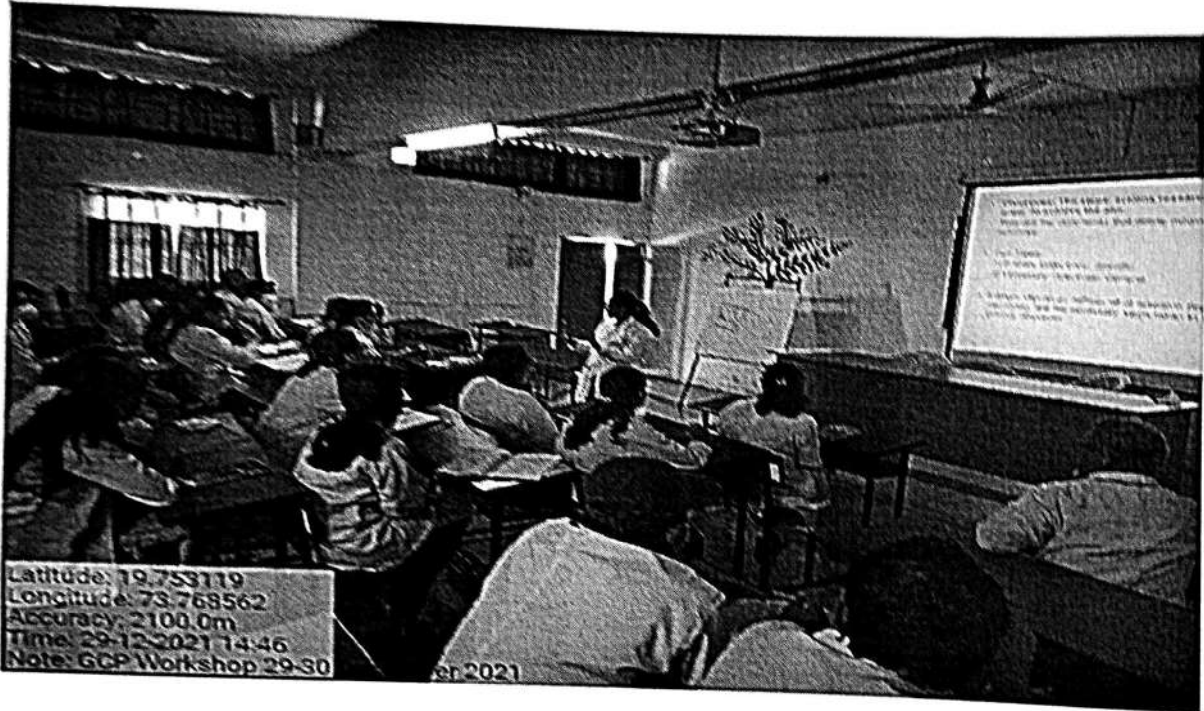


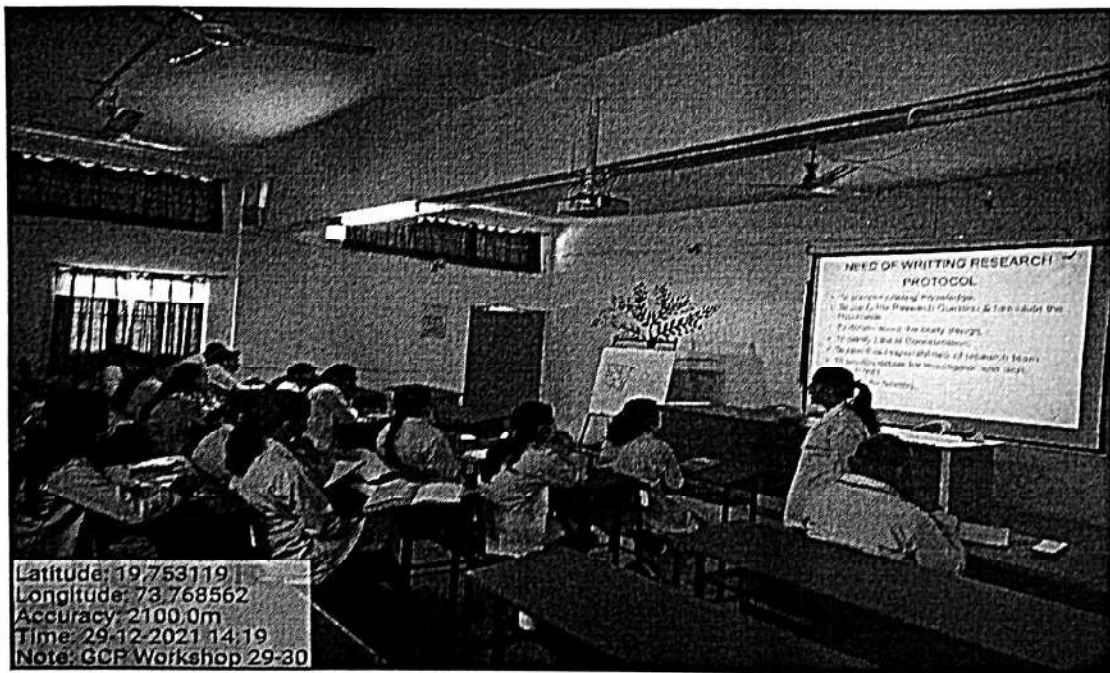
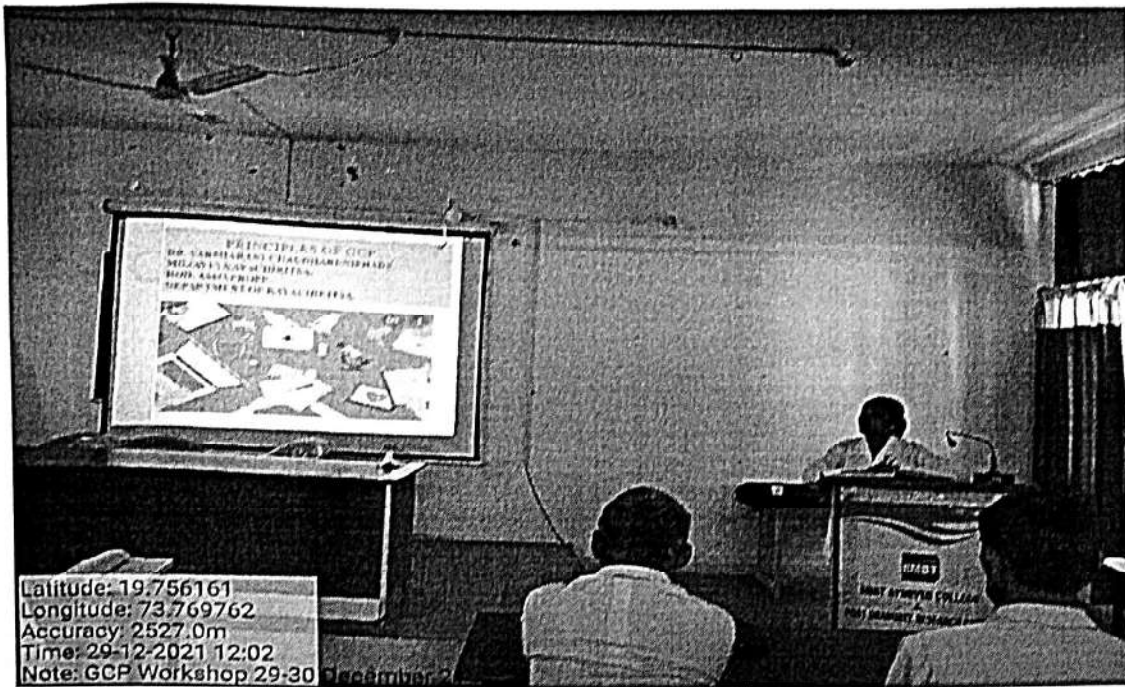


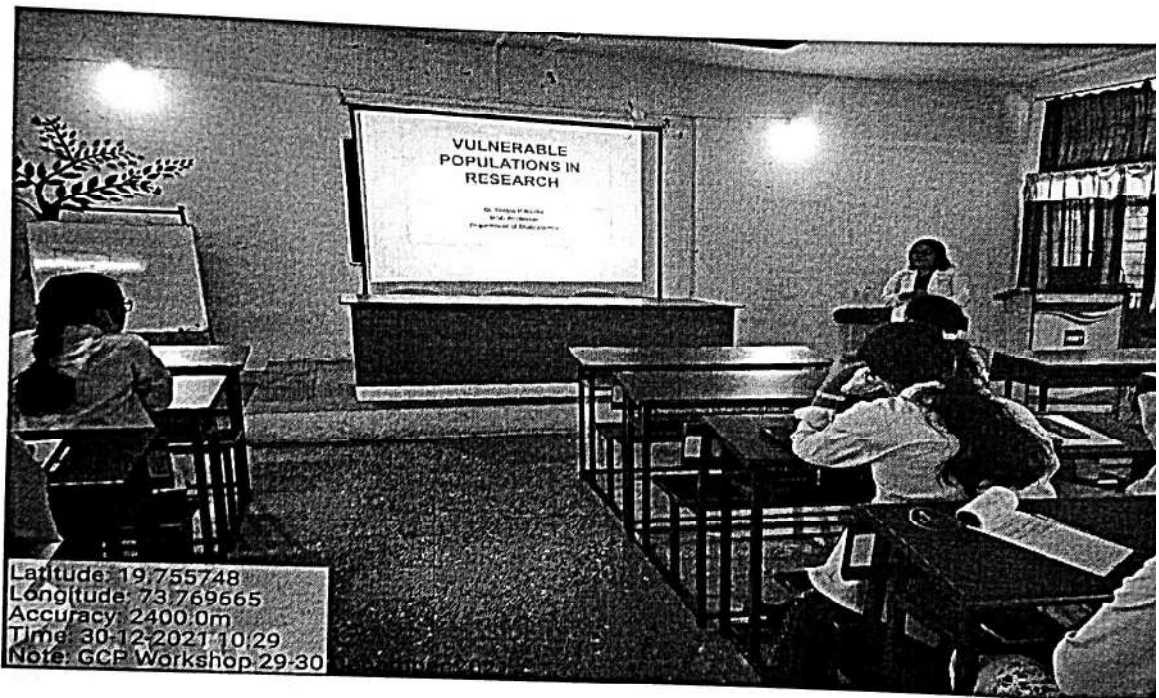
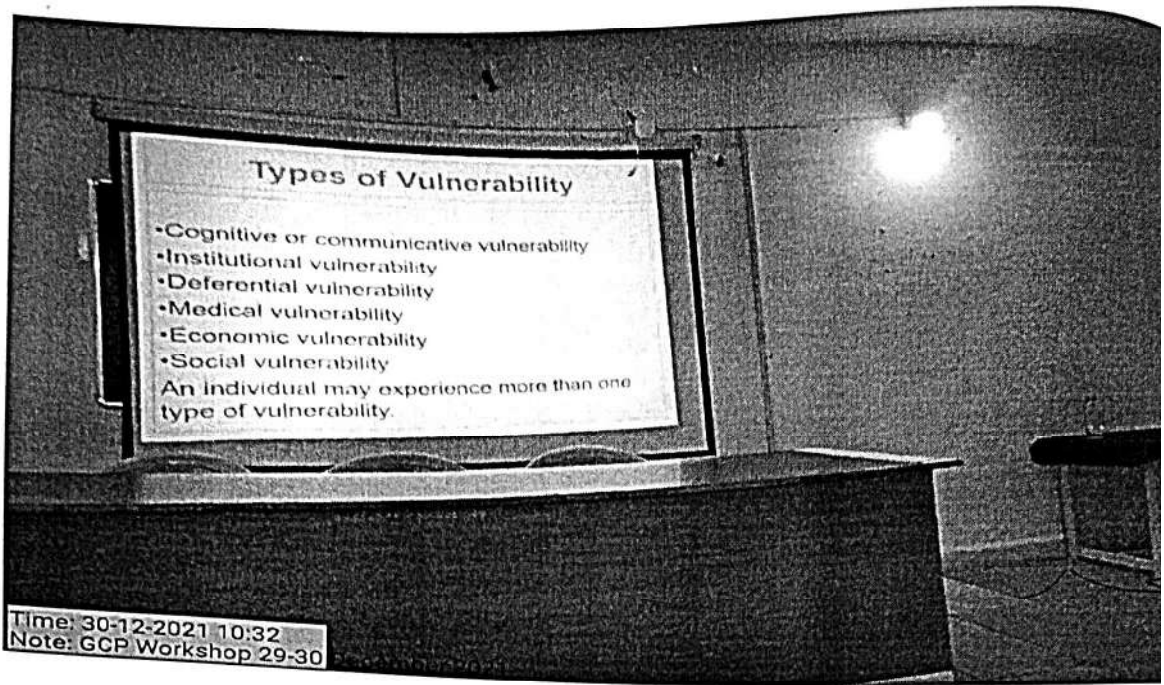




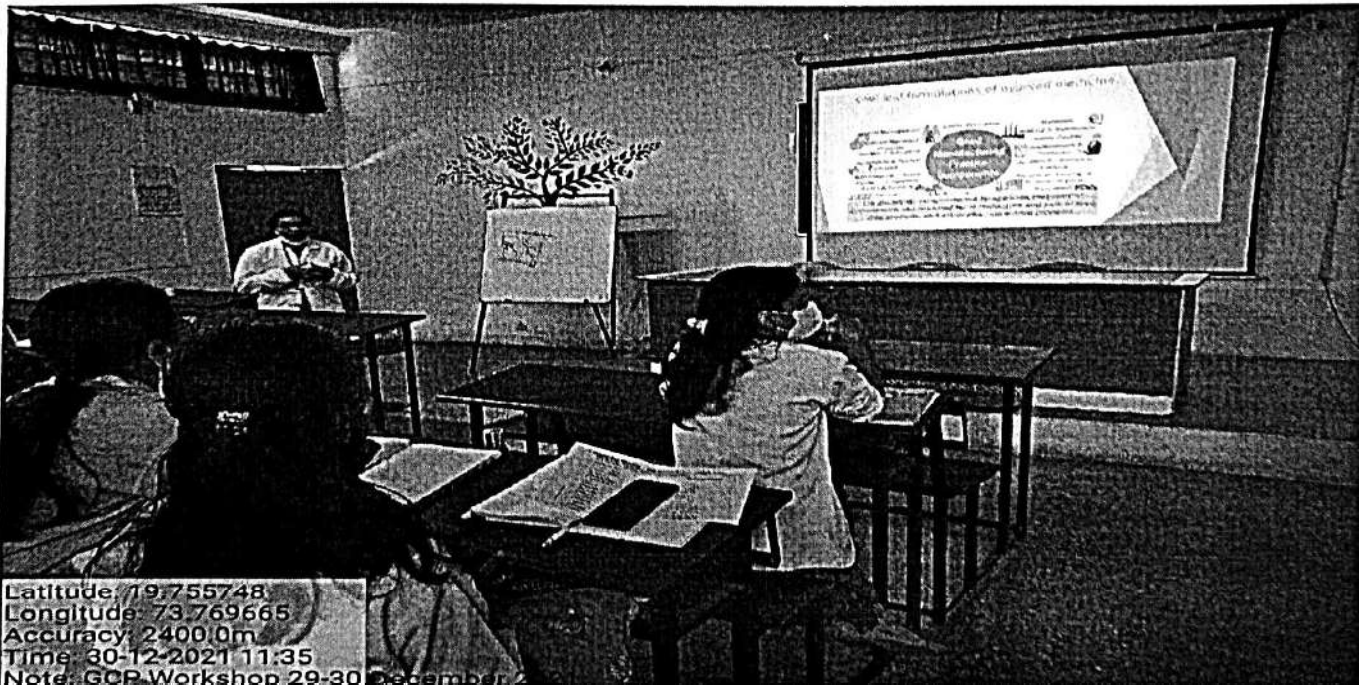
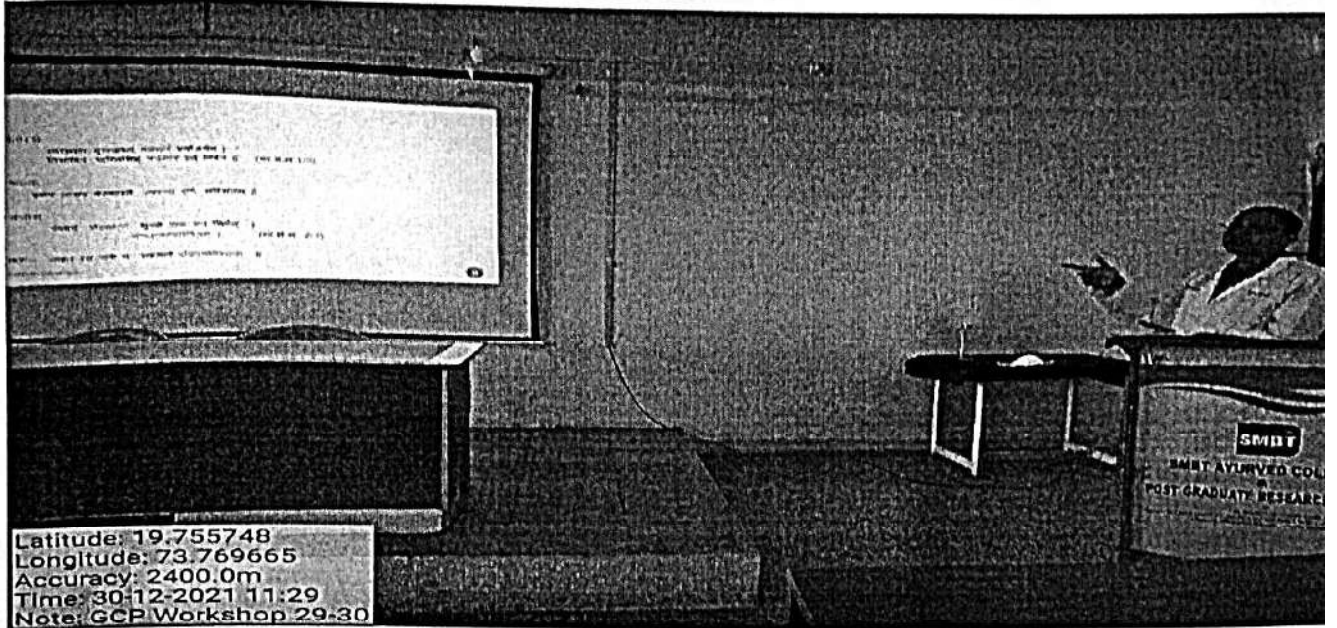


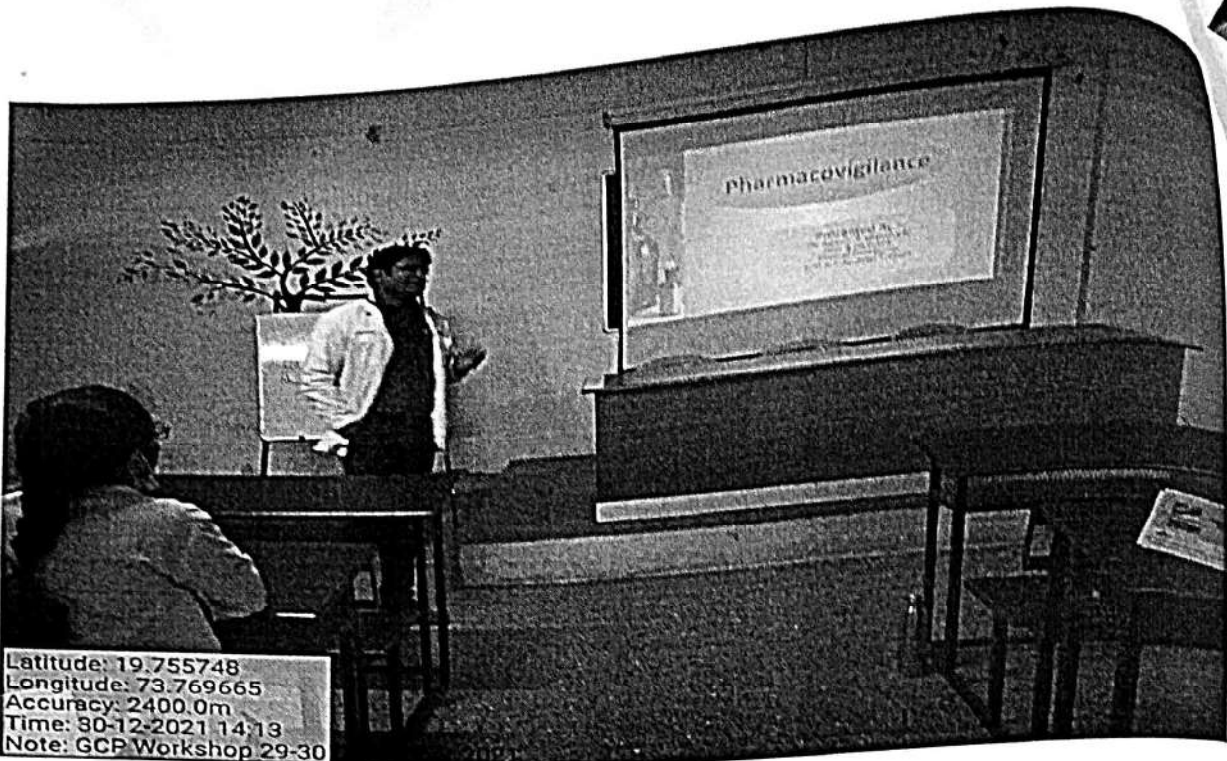




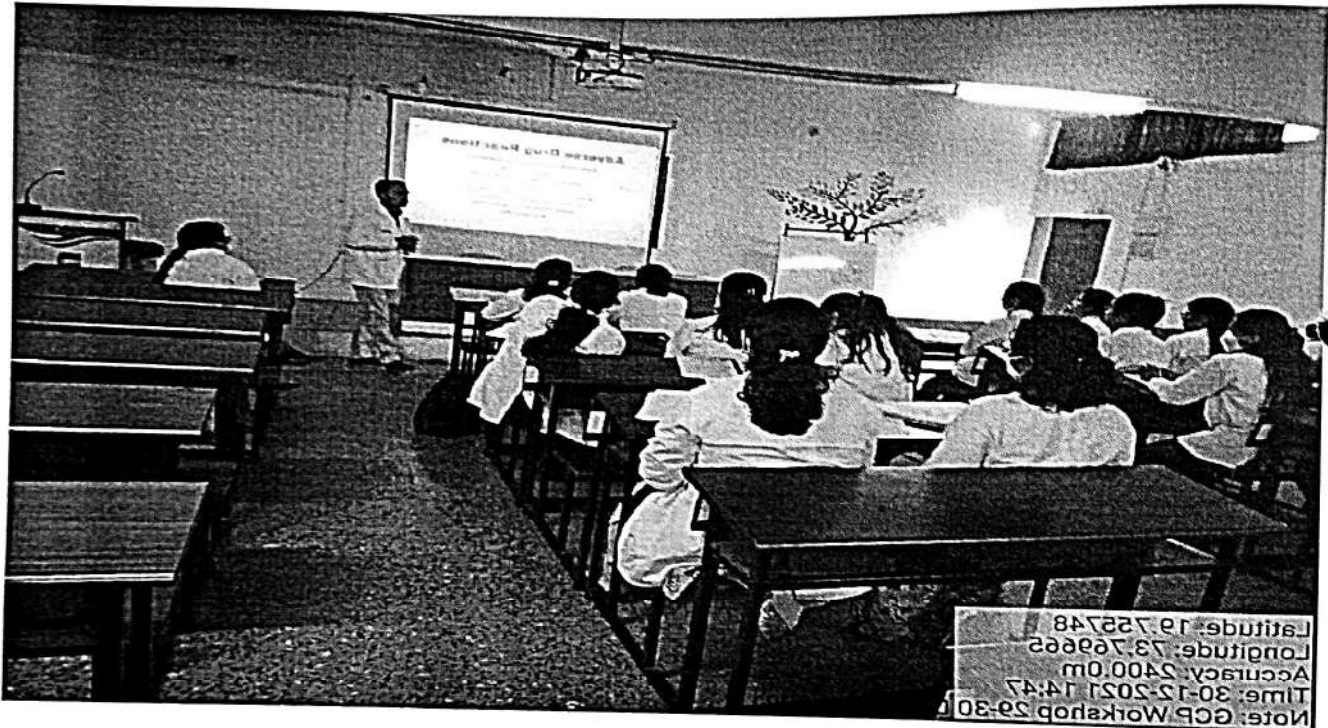






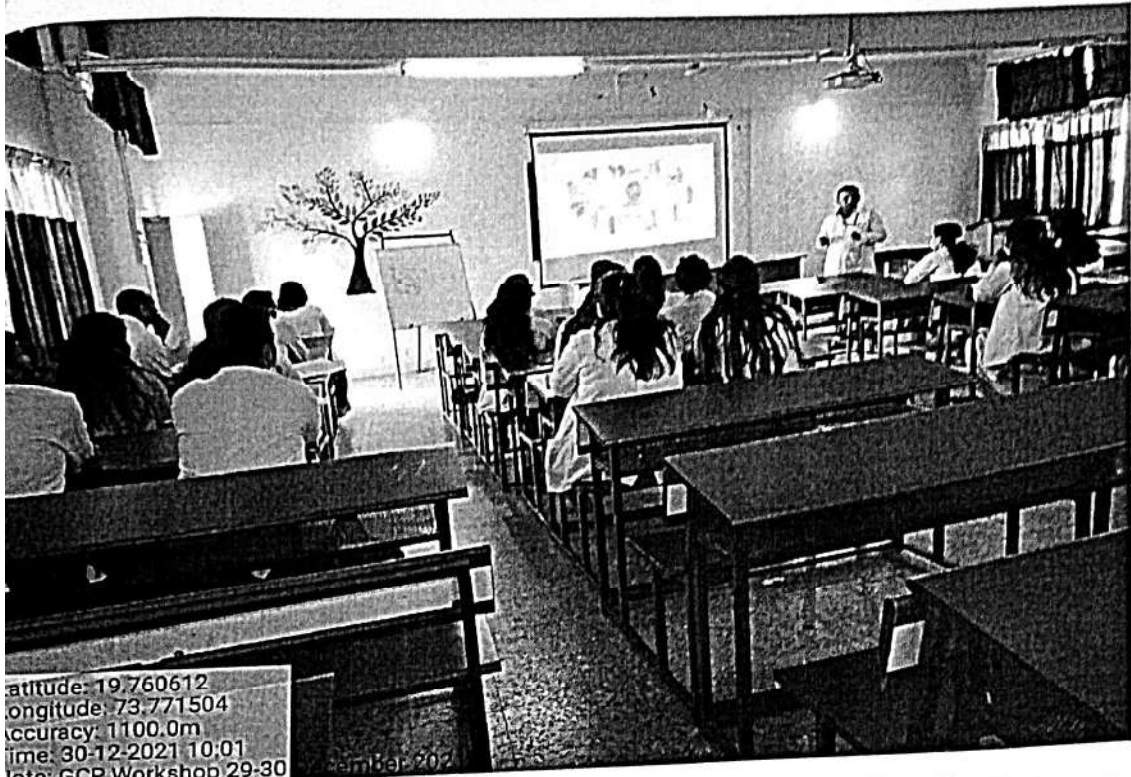


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Note: GCP Workshop 29-30

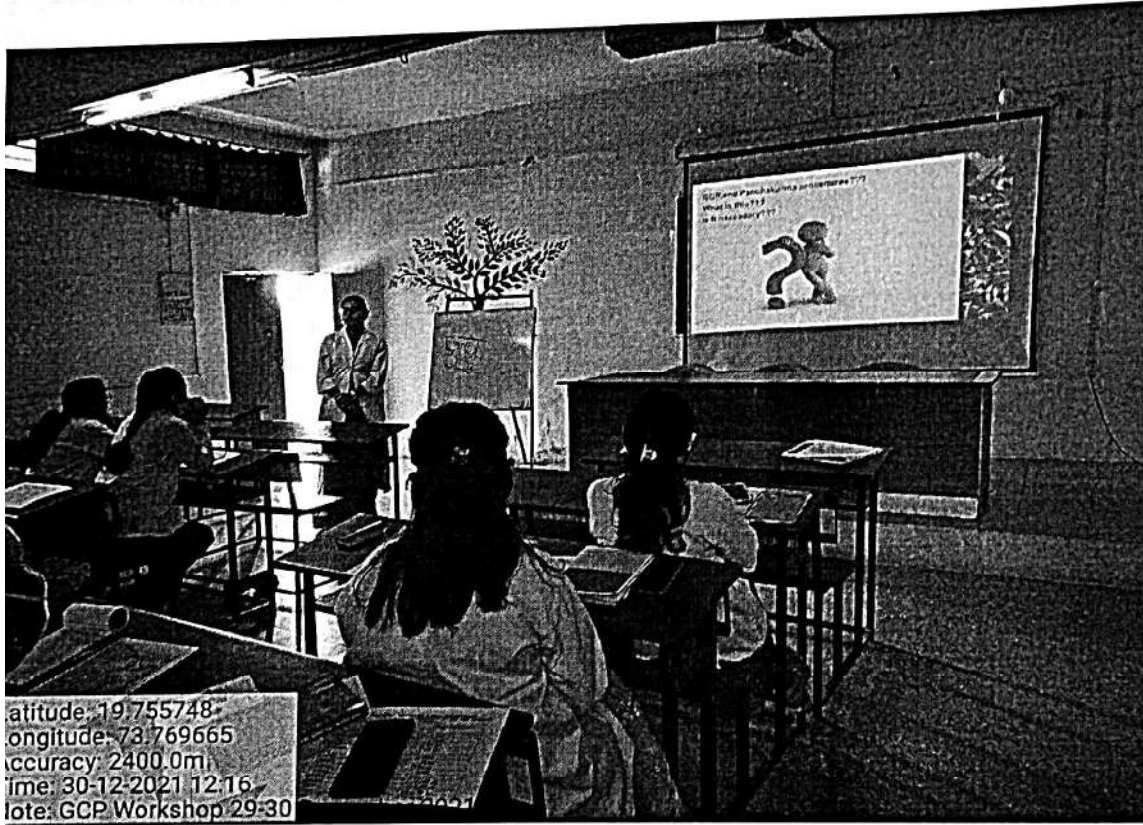


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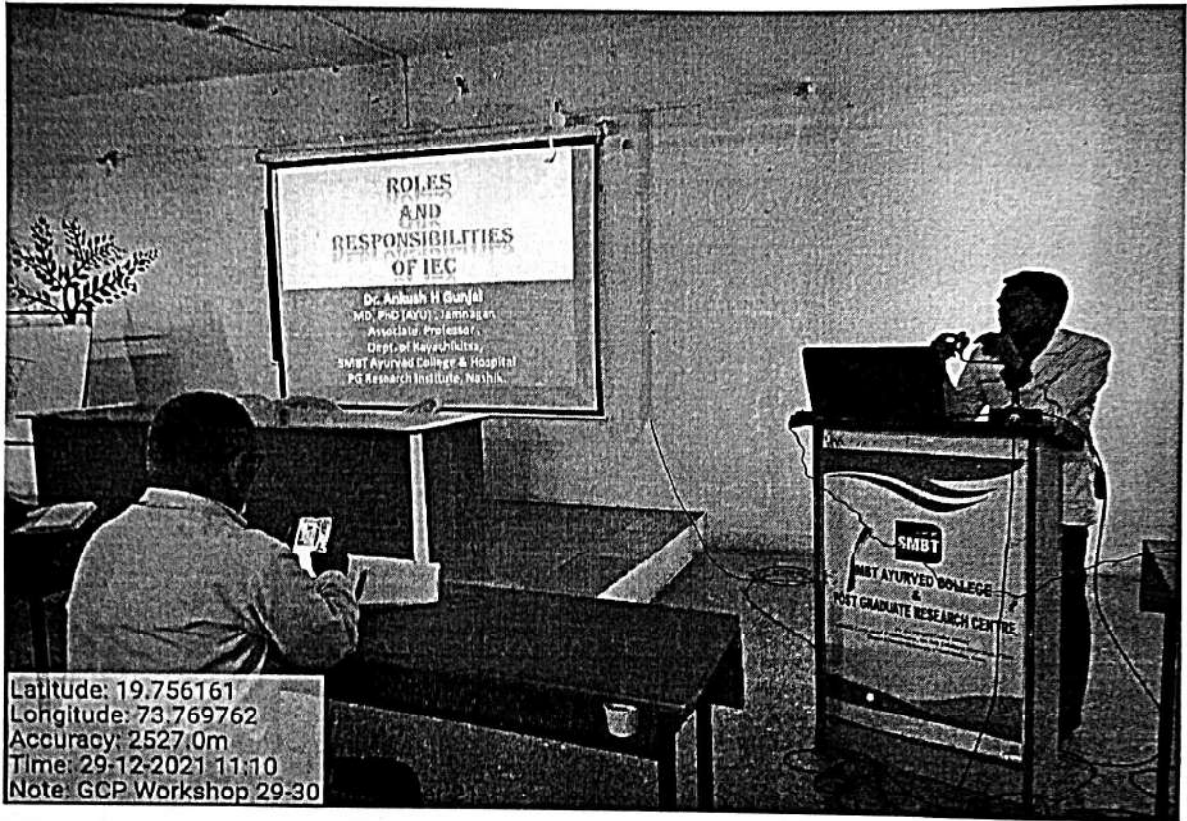
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Date :- 31/12/2021

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	-	
Dr. Mayuri Patil	6	12	PASS A	
Dr. Bhusare Sunita	12	13	PASS A	
Dr. Vinaya Wagh	8	12	PASS A	
Dr. Monali Bagade	9	15	PASS A	
Dr. Suvarna Chaudhari	9	11	PASS B	
Dr. Komal Chavan	9	13	PASS A	
Dr. Yogesh Shewale	12	12	PASS A	
Dr. Shrihas Pagare	10	11	PASS B	
Dr.Sonali Pharate	4	13	PASS A	
Dr. Harsha Pardeshi	10	13	PASS A	
Dr. Anushri Endait	12	13	PASS A	
Dr. Chaitali Tarwate	10	14	PASS A	
Dr. Aarti Kunde	9	12	PASS A	
Dr. Khushboo Akhade	8	13	PASS A	
Dr. Priyanka Chaudhari	8	10	PASS C	



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Dr. Pratiksha Palve	9	11	PASS B	
Dr. Ashwini K	10	13	PASS A	
Dr. Mrunali Purarkar	8	13	PASS A	
DR. Vaishnavi Waje	7	14	PASS A	
Dr. Shraddha Shirsath	10	12	PASS A	
Dr. Kiran Kashid	5	11	PASS B	
Dr. Komal Dange	7	11	PASS B	
Dr. Kapil Mahajan	9	11	PASS B	
Dr. Shubham Jane	9	10	PASS C	
Dr. Darshan Sarmalkar	10	11	PASS B	
Dr. Faisal K	9	11	PASS B	
Dr. Amruta Pol	11	Ab	-	
DR. Suchita Patil	8	14	PASS A	

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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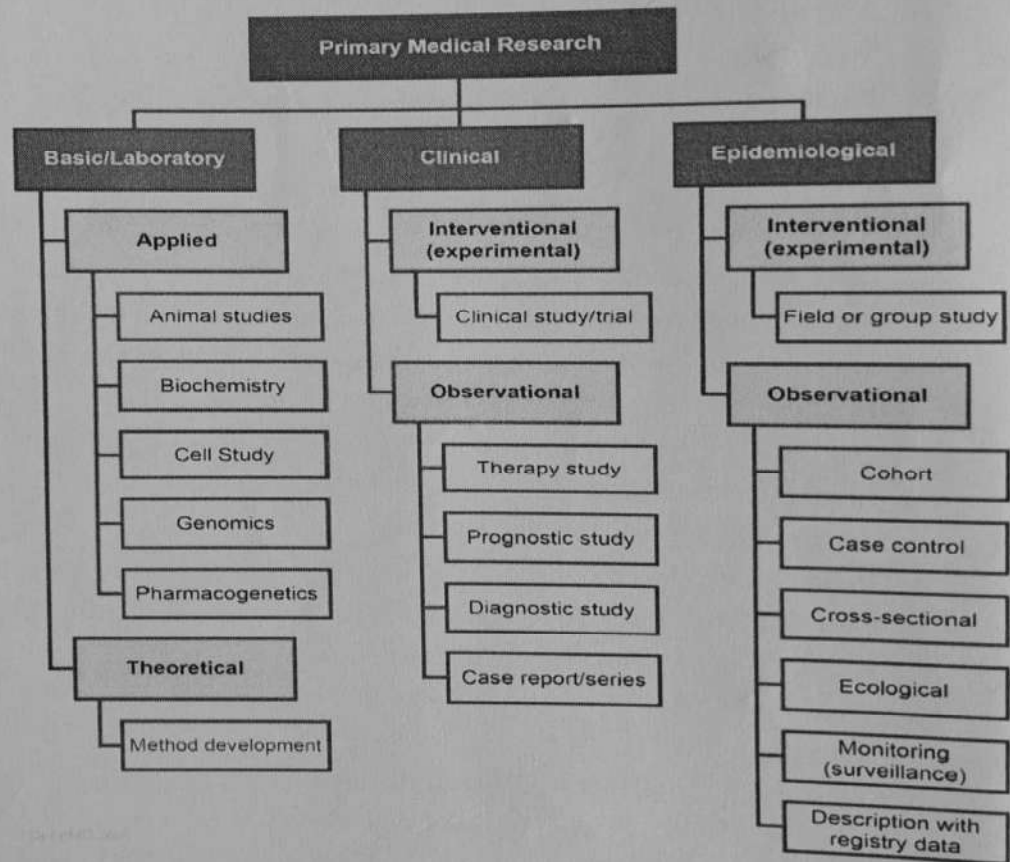
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Date: 27/06/2022

### BASIC RESEARCH METHODOLOGY WORKSHOP REPORT

1. 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.
8. 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.
9. **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 -
  - I. 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.
  - II. 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.

- 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.
- V. Methodology 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 & fortunate discovery. Biological events may occur due to chance of some triggering factors. Types of serendipity.
- X. Importance of research in Medical field.

**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.



**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.
  - II. 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 Pramech 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.



- 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-

- 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 states 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.

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

**23. Group Activity-** Group activity was conducted by Dr. Yogesh shewale and Dr. Varsharani Niphade.

- I. 'RCT to study the Effect of Kanchanar Guggulu in reduction of Sr. TSH level in the management of Hypothyroidism' was taken for activity.
  - II. Groups were asked to come up with Research Question, Aim, Objectives, Hypothesis, Methodology, Sample size determination, Inclusion-Exclusion criteria, assessment criteria's, and Statistical tests to be applied for same example.
  - III. Participants took part enthusiastically & discussed the above aspects very well.
- 24.** On last day of the workshop 24<sup>th</sup> 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-

- I. Definition of study population and sample for research. Sample is drawn from the population.eg. All doctors of SMBT campus is population and doctors from SMBT Ayurveda hospital is sample.
- II. Two types of sampling are Random / Probability sampling and Non Random / Non Probability sampling.
- 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.
- VI. Purposive, Quota, Convenience and Snowball sampling are the types of Non Probability sampling.
- VII. Advantages and disadvantages of these sampling techniques were discussed.

**26. Group Activity-** Related to sampling techniques was conducted by Dr. Sanjay Khedekar and Dr. Sachin Gwalani.

- I. Groups were given different study types and asked to find the appropriate sample 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



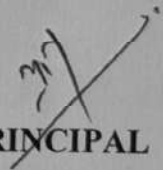
- study, enough explanation and significant thinking, logical and reasoned the results properly. At the end Limitation of study and Conflict of Interest if any.
- VI. **Group activity-** was conducted with giving 2 sample articles. One is with good presentation. Participants were asked to find the Methodology 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.




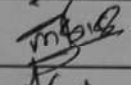



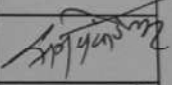
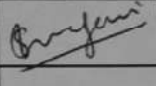
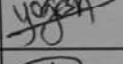
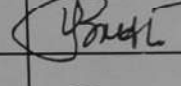
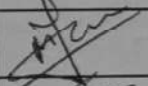

30. At the end of workshop Post-test and feedback for Program evaluation was taken. All participants passed the Post-test successfully.
31. Feedback forms were submitted by google form on [rmw.smbtayu@gmail.com](mailto:rmw.smbtayu@gmail.com) by all the participants. Feedbacks were very encouraging. 61% 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




  
PRINCIPAL  
DR. PRADEEP BHABAD.  
**Principal**  
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Nandi-Hills, Dhamangaon, Tal. Igatpuri, Dist. Nashik.

**BASIC WORKSHOP IN RESEARCH METHODOLOGY**  
22 To 24 JUNE 2022

Sr.No.	NAME OF Faculty	22-Jun	23-Jun	24-Jun
1	Dr. Varsharani Niphade			—
2	Dr. Prashant Patil		—	—
3	Dr. Vaibhav Phartale		—	—
4	Dr. Kiran Shinde		—	—
6	Dr. Ankush Gunjal			—
7	Dr. Sanjay Khedekar	—	—	
8	Dr. Sachin Gwalani	—	—	
9	Dr. Yogesh Shewale	—		—
10	Dr. Parshuram Pawar	—		—
11	Dr. Manish Jain	—	—	
12	Dr. Abhijit Tambe	—	—	

  
Dr. Varsharani S. Niphade  
Research Workshop Co-ordinator  
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Dr. Pradeep R. Bhabad  
Principal  
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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
1	Dr. Paratiksha R. Shirsat	Shirsat	Shirsat	Shirsat	Shirsat	Shirsat	Shirsat	Shirsat
2	Dr. Karishma R. Nevagi	KPlevani	KPlevani	KPlevani	KPlevani	KPlevani	KPlevani	KPlevani
3	Dr. Harshada R. Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
4	Dr. Anjali R. Sahu	Anjali	Anjali	Anjali	Anjali	Anjali	Anjali	Anjali
6	Dr. Pradnya Kambli	B	B	B	B	B	B	B
7	Dr. Reshma Pathan	Kathan	Kathan	Kathan	Kathan	Kathan	Kathan	Kathan
8	Dr. Amruta Pol	Amruta	Amruta	Amruta	Amruta	Amruta	Amruta	Amruta
9	Dr. Tejasri R. Waghmare	W	W	W	W	W	W	W
5	Dr. Snehal S Chougale	Snehal	Snehal	Snehal	Snehal	Snehal	Snehal	Snehal
10	Dr. Sayali Kewad	SK	SK	SK	SK	SK	SK	SK
11	Dr. Karishma Jaiswal	KJ	KJ	KJ	KJ	KJ	KJ	KJ
12	Dr. Paratiksha Jadhav	Paratiksha	Paratiksha	Paratiksha	Paratiksha	Paratiksha	Paratiksha	Paratiksha
13	Dr. Pooja Y. Pagar	Pagar	Pagar	Pagar	Pagar	Pagar	Pagar	Pagar
14	Dr. Rutuja V. Raut	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja
15	Dr. Sayali N. Wagh	Wagh	Wagh	Wagh	Wagh	Wagh	Wagh	Wagh
16	Dr. Komal Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan
17	Dr. Chaitali Tarate	Tarate	Tarate	Tarate	Tarate	Tarate	Tarate	Tarate
18	Dr. Harshada Phale	HP	HP	HP	HP	HP	HP	HP
19	Dr. Sonali B. Pharate	Pharate	Pharate	Pharate	Pharate	Pharate	Pharate	Pharate





Sr.No.	NAME OF Participants	Session-1	Session-2	Session-3	Session-4	Session-5	Session-6	Session-7
20	Dr. Pratiksha Ramesh Jadhav (MD-HOM)	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav
21	Dr. Jayesh Badgaya (MD-HOM)	Badgaya	Badgaya	Badgaya	Badgaya	Badgaya	Badgaya	Badgaya
22	Dr. Aakanksha Anil Thakur (MD-HOM)	Thakur	Thakur	Thakur	Thakur	Thakur	Thakur	Thakur
23								
24	Dr. Rupali Vasant Kapse (MD-HOM)	Kapse	Kapse	Kapse	Kapse	Kapse	Kapse	Kapse
25	Dr. Rahul Dharamendra Jadhav (MD-HOM)	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav
26	Dr. Manoj Mangilal Ahir (MD-HOM)	Ahir	Ahir	Ahir	Ahir	Ahir	Ahir	Ahir
27	Dr. Ashwathya Manoj. Saw (MD-HOM)	Saw	Saw	Saw	Saw	Saw	Saw	Saw
28	Dr. Pranavi Dilip Bhojraj (MD-HOM)	Bhojraj	Bhojraj	Bhojraj	Bhojraj	Bhojraj	Bhojraj	Bhojraj
29	Dr. Swapnil Shaligram Kawampure (M.S. Shalakra)	Kawampure	Kawampure	Kawampure	Kawampure	Kawampure	Kawampure	Kawampure
30	Dr. Singh Gaurav Premprakash (MD-Balro)	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav
31	Dr. Shrikrishna Shankar Mahale, MD (Balroga)	Mahale	Mahale	Mahale	Mahale	Mahale	Mahale	Mahale

Vd. Varsharani S. Niphade  
 Research Workshop Co-ordinator  
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**BASIC WORKSHOP IN RESEARCH METHODOLOGY**

23 June 2022

**ATTENDANCE SHEET**

Sr.No.	NAME OF Participants	Session-1	Session-2	Session-3	Session-4	Session-5	Session-6	Session-7
1	Dr. Kazishma R. Neuwagi	KR	KR	KR	KR	KR	KR	KR
2	Dr. Pratiksha K. Shirsat	PS	PS	PS	PS	PS	PS	PS
3	Dr. Anjali R. Sahu	AS	AS	AS	AS	AS	AS	AS
4	Dr. Harshada R. Patil	HP	HP	HP	HP	HP	HP	HP
6	Dr. Pradnya S. Kumbli	PB	PB	PB	PB	PB	PB	PB
7	Dr. Reshma F. Pathan	RP	RP	RP	RP	RP	RP	RP
8	Dr. Kailshma G. Jaisud	KJ	KJ	KJ	KJ	KJ	KJ	KJ
9	Dr. Sayali M. Kewat	SK	SK	SK	SK	SK	SK	SK
5	Dr. Amruta M. Patil	AP	AP	AP	AP	AP	AP	AP
10	Dr. Anshuaksha M. Sen PG Path 1 (HOM)	AS	AS	AS	AS	AS	AS	AS
11	Dr. Pranoti D. Bhoysre MD (HOM)	PS	PS	PS	PS	PS	PS	PS
12	Dr. Malavand M. Ahire MD HOM	MA	MA	MA	MA	MA	MA	MA
13	Dr. Rahul Jadhav MD HOM	RJ	RJ	RJ	RJ	RJ	RJ	RJ
14	Dr. Snehal S. Chougale	SC	SC	SC	SC	SC	SC	SC
15	Dr. Tejasvi R. Waghmare	TR	TR	TR	TR	TR	TR	TR
16	Dr. Pratiksha U. Jadhav	PJ	PJ	PJ	PJ	PJ	PJ	PJ
17	Dr. Pooja Y. Pagar	PY	PY	PY	PY	PY	PY	PY
18	Dr. Rutuja V. Raut	RV	RV	RV	RV	RV	RV	RV
19	Dr. Sayali N. Wagh	SN	SN	SN	SN	SN	SN	SN



Sr.No.	NAME OF Participants	Session-1	Session-2	Session-3	Session-4	Session-5	Session-6	Session-7
20	Dr. Sonali B. Pharate	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
21	Dr. Harshad a Phale	HP	HP	HP	HP	HP	HP	HP
22	Dr. Chaitali Tarvate	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
23	Dr. Aakanksha Anil Jhaokar MD-HOM	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
24	Dr. Rupali V. Kapse (MD HOM)	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
25	Dr. Pratibha Ramesh Jadhav (MD HOM)	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
26	Dr. Jayesh Badgujar MD-HOM	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
27	Dr. Komal Chavan	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
28	Dr. Shrikrushna Mahale	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
29	Dr. Gaurav Premprakash Singh	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
30	Dr. Swapnil Shaligram Kawanpure	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

*[Signature]*  
 Vda. Varsharani S. Niphade  
 Research Workshop Co-ordinator  
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 Principal  
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**BASIC WORKSHOP IN RESEARCH METHODOLOGY**

24 June 2022

**ATTENDANCE SHEET**

Sr.No.	NAME OF Participants	Session-1	Session-2	Session-3	Session-4	Session-5	Session-6	Session-7
1	Dr. Sonali B. Pharate	Phar	Phar	Phar	Phar	Phar	Phar	
2	Dr. Harshada Phate	HP	HP	HP	HP	HP	HP	
3	Dr. Chaitali Parate	Par	Par	Par	Par	Par	Par	
4	Dr. Komal Chavan	Chav	Chav	Chav	Chav	Chav	Chav	
6	Dr. Adhanksha Jhaokar (MD-HOM)	Jha	Jha	Jha	Jha	Jha	Jha	
7	Dr. Rupali V. Kapse CMD HOM	Kapse	Kapse	Kapse	Kapse	Kapse	Kapse	
8	Dr. Jayesh Badgiyar MD.HOM	Bad	Bad	Bad	Bad	Bad	Bad	
9	Dr. Pratiksha Ramesh Jadhav (MD-HOM)	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	
5	Dr. Pradoti Dilip Bhuyar (MD HOM)	Bhuyar	Bhuyar	Bhuyar	Bhuyar	Bhuyar	Bhuyar	
10	Dr. Ashwarya Manoj Soni (MD-HOM)	Soni	Soni	Soni	Soni	Soni	Soni	
11	Dr. Manrand. M. Ahire MD (HOM)	Ahire	Ahire	Ahire	Ahire	Ahire	Ahire	
12	Dr. Rahul Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	
13	Dr. Snehal S Chougale	Chougale	Chougale	Chougale	Chougale	Chougale	Chougale	
14	Dr. Tejaswini R. Laghmare	Lagmare	Lagmare	Lagmare	Lagmare	Lagmare	Lagmare	
15	Dr. Pratiksha V. Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	
16	Dr. Pooja Y. Pagir	Pagir	Pagir	Pagir	Pagir	Pagir	Pagir	
17	Dr. Sayali. N. Wagh	Wagh	Wagh	Wagh	Wagh	Wagh	Wagh	
18	Dr. Rutuja V. Raut	Raut	Raut	Raut	Raut	Raut	Raut	
19	Dr. Harshada R. Patil	Patil	Patil	Patil	Patil	Patil	Patil	

Sr.No.	NAME OF Participants	Session-1	Session-2	Session-3	Session-4	Session-5	Session-6	Session-7
20	Anjali. R. Sahu	Anjali	Anjali	Anjali	Anjali	Anjali	Anjali	
21	Pratiksha. K. Dhivrat	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	
22	Dr. Keshima R. Nevagi	Keshima	Keshima	Keshima	Keshima	Keshima	Keshima	
23	Dr. Pradnya Kambli	P	P	P	P	P	P	
24	Dr. Reshma Pathan	Reshma	Reshma	Reshma	Reshma	Reshma	Reshma	
25	Dr. Keshima Jabuzel	Keshima	Keshima	Keshima	Keshima	Keshima	Keshima	
26	Dr. Sayali Kewat	S	S	S	S	S	S	
27	Dr. Shrikrushna Mahale	S	S	S	S	S	S	
28	Dr. Gaurav P. Singh	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav	
29	Dr. Swapnil Shaligram Kawanpure	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	
30	Dr. Amruta Pat.	Amruta	Amruta	Amruta	Amruta	Amruta	Amruta	



*(Signature)*

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



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

**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	Tea		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	Group Activity-1: Participants will be divided into 4 -5 groups. <ul style="list-style-type: none"> <li>Each group will discuss among itself and come out with at-least 2 research questions and related hypothesis</li> <li>Indicate why the topic was selected by the group over other topic</li> <li>Indicate the type of study with reasons thereof</li> <li>Indicate dependent and independent variables included in the study</li> </ul> (Tea may be served during group activity)	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



**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	Topic	Method	Time (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 Activity	45	Dr. Ankush Gunjal & Dr. Varsharani Niphade	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	Group Activity-3: Participants will divide into groups as in GA-1. Each group will discuss and present <ul style="list-style-type: none"> <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. Sachin Gwalani	11:15 am to 12:30 pm
5	L-8: Inferential Statistics	Lecture	60	Dr. Yogesh Shewale	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. Yogesh Shewale & Dr. Varsharani Niphade	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	Tea		15		03:45 pm to 04:00 pm
10	L-10: Writing a research protocol	Lecture	60	Dr. Varsharani Niphade	04:00 pm to 05:00 pm





**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	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	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. Manish Jain	11:00 am to 12:00 pm
5	L-13: Critical Evaluation of Journal Article	Lecture	75	Dr. Sanjay Khedekar	12:00 pm 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. Sachin Gwalani	01:45 pm to 03:00 pm
8	L-14: Qualitative research methods	Lecture	45	Dr. Abhjit Tambe	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 05:00 pm

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

Faculty members are as follows:

**Dr. Parshuram Pawar:-** (Shree Saptashrunji Ayurved Mahavidyalay & Hospital, Nashik)

**Dr. Abhjit Tambe:-** (SMBT Institute of Dental Sciences & Research, Dhamangaon, Nashik)

**Dr. Vaibhav Phartale :-** (Shree Saptashrunji Ayurved Mahavidyalay & Hospital, Nashik)

**Dr. Kiran Shinde :-** (Shree Saptashrunji Ayurved Mahavidyalay & Hospital, Nashik)





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Ref.No- 1354/SMBT/05/MET/Gen-02

Date-18/11/2021

### CIRCULAR

- 1) 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
- 3) 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.



~~Principal~~

SMBT Ayurved College & Hospital

**Principal**

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



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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. Varsharani Nipahde 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 lecture 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 Bulleacon** words used in online literature search.
  - V. Literature search helps researcher to find the knowledge gap and can adopt some 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

  
**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

Venue & Organizer: **SMBT Ayurved College and Hospital,**  
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. Suvarna 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. Suvarna Chaudhari	Asst. Professor	Shalakyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik



**Attendance for Research Methodology Workshop First Year  
Batch-A-(28-11-2021)**

Sr No	Name Of Student	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6
1	BERAD TEJASVI NARAYAN	P	P	P	P	P	P
2	BHOYE PARASHAR KAILAS	P	P	P	P	P	P
3	BODKE ABHISHEK MANGALDAS	P	P	P	P	P	P
4	CHATE DNYANESHWARI BALASAHEB	P	P	P	P	P	P
5	CHATE GANESH PRITHVIRAJ	P	P	P	P	P	P
6	CHAVAN AMOL MACHHINDRA	P	P	P	P	P	P
7	CHAVAN ROHIT SUDHIR	A	P	P	P	P	P
8	DARAK SAMIKSHA SANJAY	P	P	P	P	P	P
9	DARANDALE SHREYAS ANIL	P	P	P	P	P	P
10	GHULE AISHWARYA RAMESH	P	P	P	P	P	P
11	GHULE OMKAR ARJUN	P	P	P	P	P	P
12	JADHAV RIYA DIPAK	P	P	P	P	P	P
13	JADHAV VEDANT KAILAS	P	P	P	P	P	P
14	JONDHALE KIRAN ISHWARRAO	P	P	P	P	P	P
15	KADAM SWAPNIL SHIVAJI	P	P	P	P	P	P
16	KAPASE PRASHANT KAILAS	P	P	P	P	P	P
17	KAWALE AWANTIKA BHARAT	P	P	P	P	P	P
18	KENDRE AKSHAY VENKAT	P	P	P	P	P	P
19	KHADKE KHILESH SANJIV	P	P	P	P	P	P
20	KHAIRNAR YASHODIP RAMESH	P	P	P	P	P	P
21	KHANDARE SANDESH MANIKRAO	P	P	P	P	P	P
22	KHARAT KRISHNA DATTA	P	P	P	P	P	P
23	KHEMNAR NIKITA THAKAJI	P	P	P	P	P	P
24	KHODWE KALYANI KISHOR	P	P	P	P	P	P
25	KOR YASH VIJAY	P	P	P	P	P	P
26	KOTE HARSHADA DADASAHEB	P	P	P	P	P	P
27	LAKADE MONIKA KISAN	P	P	P	P	P	P
28	LANDGE KAPIL BHARAT	P	P	P	P	P	P
29	MAHALE SWAPNIL SHARAD	P	P	P	P	P	P
30	MALPATHAK VISHWAJA MANOJ	P	P	P	P	P	P



  
**HOD & PROFESSOR**  
**Course Coordinator**  
 SMST Ayurved College & 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.
  - I. 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. Varsharani 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  
Nandihills Dhamangaon Tal. Igatpuri Nashik





SMBT Sevabhavi 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: 28/11/2021

2<sup>nd</sup> year BAMS (A 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: 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 Stirog	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 Methodology Workshop Second Year  
Batch-A-(28-11-2021)**

Sr No	Name Of Student	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6
1	ABHANG PRATHAMESH KIRAN	P	P	P	P	P	P
2	AHIRRAO PRATIK GANESH	P	P	P	P	P	P
3	BAJGIRE PAVANKUMAR RAMRAO	P	P	P	P	P	P
4	BHOSALE RUSHIKES ASHOK	P	P	P	P	P	P
5	BORUDE VASUDHA SANDEEP	P	P	P	P	P	P
6	CHAUDHARI PRATIK RAJENDRA	P	P	P	P	P	P
7	CHAUDHARI VEDANTI VINOD	P	P	P	P	P	P
8	CHAVAN AKASH DADARAO	P	P	P	P	P	P
9	CHOUDHARY GUNJAN VISHWANATH	P	P	P	P	P	P
10	DEORE ADITI SHASHIKANT	P	P	P	P	P	P
11	GAIKAR SANJANA KAILAS	P	P	P	P	P	P
12	GAIKWAD YOGESH JAGDISH	P	P	P	P	P	P
13	GANGURDE TUSHAR CHANDU	P	P	P	P	P	P
14	GHORPADE AJINKYA RAJENDRA	P	P	P	P	P	P
15	GIRI ABHISHEK BAJRANG	P	P	P	P	P	P
16	GOSAVI PRAGATI ANILGIR	P	P	P	P	P	P
17	HINGE VAIBHAV VUAY	P	P	P	P	P	P
18	INGLE SANIYA DILIP	P	P	P	P	P	P
19	JADHAV MANASI DILIP	P	P	P	P	P	P
20	JAGE TANVI PRASHANT	P	P	P	P	P	P
21	KADAM ANKUSH TULSHIRAM	P	P	P	P	P	P
22	KAJALE SHRUTI SAGAR	P	P	P	P	P	P
23	KAKDE PRAGATI DNYANESHWAR	P	P	P	P	P	P
24	KAKDE VIKAS RAMDAS	P	P	P	P	P	P
25	KALE MEGHA TUKARAM	P	P	P	P	P	P
26	KHADE VIDYA RAJENDRA	P	P	P	P	P	P
27	KHATATE SHUBHAM DATTATRAY	P	P	P	P	P	P
28	KHUTANBUJE MOHAMMADJUNED	P	P	P	P	P	P
29	KORE VAISHNAVI SURESH	P	P	P	P	P	P
30	LANDE SHUBHANGI BALASAHEB	P	P	P	P	P	P



  
**HOOD PROFESSOR**  
**Course Coordinator**  
 SMBT Ayurved College & Hospital  
 Dhamangan, Tal. Yastpur, Dist. Nashik.



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Email : principal.ayurved@smbt.edu.in | smbtayurved@gmail.com | www.smbt.edu.in

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 Chaudhari 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 conducted 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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- I. 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.
- I. 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

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

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

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. Shilpa 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	Shalakyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik



**Attendance for Research Methodology Workshop Third Year  
Batch-A-(28-11-2021)**

Sr No	Name Of Student	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6
1	ADHIKARI NIVEDITA VASANT	P	P	P	P	P	P
2	ANBHULE AKSHAY VILAS	P	P	P	P	P	P
3	AROTE AISHWARYA RAMDAS	P	P	P	P	P	P
4	BAIS ANKITA ANANTRAO	P	P	P	P	P	P
5	BANGAR PRANALI SURESH	P	P	P	P	P	P
6	BARI NIKHIL KISHOR	P	P	P	P	P	P
7	BHANUSHALI MRUNALI SANDIP	P	P	P	P	P	P
8	BHARAMBE PRASAD RAJESH	P	P	P	P	P	P
9	BHARDWAJ GAYATARY SANDEEP	P	P	P	P	P	P
10	BHOIR ANKITA RAVINDRA	P	P	P	P	P	P
11	BIDVI SWARAJ MAHENDRA	P	P	P	P	P	P
12	BIRAJDAR DHIRAJ DILIP	P	P	P	P	P	P
13	BISWAS GAURAVKUMAR GANESHKUMAR	P	P	P	P	P	P
14	BORSE SAGAR DILIP	A	P	P	P	P	P
15	CHAUDHARI PRACHI SANDIP	P	P	P	P	P	P
16	CHAUDHARY SANGEETA SAVALARAM	P	P	P	P	P	P
17	CHITTE KOMAL JAYWANT	P	P	P	P	P	P
18	DALVI RUSHIKESH PRASHANT	P	P	P	P	P	P
19	DEORE BHAVESH PRAKASH	P	P	P	P	P	P
20	DHANGAR PRIYANKA MOTIRAM	P	P	P	P	P	P
21	GANGWAL HARSHITA RAJENDRA	P	P	P	P	P	P
22	HEGADKAR NIRANJAN SANJAY	P	P	P	P	P	P
23	JADHAO PALLAVI MADHUKAR	P	P	P	P	P	P
24	JADHAV NAMRATA JYOTILAL	P	P	P	P	P	P
25	KAPSE GEETA BHAGWAN	P	P	P	P	P	P
26	KEDAR VAIBHAV SUBHASH	P	P	P	P	P	P
27	KHALKAR SUMIT ARUN	P	P	P	P	P	P
28	KHANDARE ANUSHKA AJAY	P	P	P	P	P	P
29	KHAPARE PRACHI HARISHCHANDRA	P	P	P	P	P	P
30	KHEWALKAR PRATIK PANDIT	P	P	P	P	P	P



  
**HOD, PROFESSOR**  
**Course Coordinator**  
 S.M.B.T. Ayurved College & Hospital  
 Dharamnagar, Tal. Jagtapuri, Dist. Nashik.





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Email : principal.ayurved@smbt.edu.in | smbtayurved@gmail.com | www.smbt.edu.in

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 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. 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 lecture with the help of actual demonstration of literature search in Ayurveda 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 Boolean 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 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. Suvarna 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 College & Hospital  
Nandi-Hills, Dhamangaon, Tal. Igatpuri, 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: 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. Suvarna 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. Suvarna Chaudhari	Asst. Professor	Shalakya-tantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik



**Attendance for Research Methodology Workshop First Year  
Batch-B-(05-12-2021)**

Sr No	Name Of Student	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6
1	MORE ROHAN BAPU	P	P	P	P	P	P
2	NALGIKAR DEVYANI BALAJI	P	P	P	P	P	P
3	NIBE PRAJWAL SURESH	P	P	P	P	P	P
4	PACHARNE MRUNALI SAINATH	P	P	P	P	P	P
5	PANGAVHANE RAM KISHOR	A	A	P	P	P	P
6	PATIL DISHA DILIP	P	P	P	P	P	P
7	PATIL LEENAKSHEE MAHESHWAR	P	P	P	P	P	P
8	PATIL VAISHNAVI VISHWANATH	P	P	P	P	P	P
9	RATHOD ABHIJIT RAMESHWAR	P	P	P	P	P	P
10	RATHOD AJAY PRAN	P	P	P	P	P	P
11	RATHOD PRAMOD JIABHAU	A	P	P	P	P	P
12	SAPATE SRUSHTI MARUTI	P	P	P	P	P	P
13	SAUDAGAR PRASAD RAJENDRA	P	P	P	P	P	P
14	SAWALE SACHIN SUBHASHRAO	P	P	P	P	P	P
15	SHAIKH MOHAMMADKAIF IQBAL	P	P	P	P	P	P
16	SHELKE YASHRAJ NARAYAN	P	P	P	P	P	P
17	SHERE NAGESH GOVINDRAO	P	P	P	P	P	P
18	SHINDE AKSHATA RAJU	P	P	P	P	P	P
19	SHINDE SHREYASH SUBRAO	P	P	P	P	P	P
20	SIDARA ANJALI GOPAL	P	P	P	P	P	P
21	SONAWANE KHUSHI SANDIP	P	P	P	P	P	P
22	SONAWANE MAHESH BHAGWAN	P	P	P	P	P	P
23	SURUSHE VAIBHAV GAJANAN	P	P	P	P	P	P
24	SURYAWANSHI SAYALI GANGADHAR	P	P	P	P	P	P
25	TATHE RAHUL SUBHASH	P	P	P	P	P	P
26	TONGARE MANALI PUNDALIK	P	P	P	P	P	P
27	VANJIARI VAISHNAVI RAJIV	P	P	P	P	P	P
28	VARAT SWAPNIL VASANT	P	P	P	P	P	P
29	WADEKAR SHIVANJALI VIJAN	P	P	P	P	P	P
30	WAGH PRADNYA SIDDHESHWAR	P	P	P	P	P	P



  
**HOD & PROFESSOR**  
**Course Coordinator**  
 S.M.B.T. Ayurved College & Hospital  
 Dhamangaon, Tal. Jalgaon, Dist. Surashikh.





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## SMBT AYURVED COLLEGE AND HOSPITAL

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Email : principal.ayurved@smbt.edu.in | sbmtayurved@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.
  - I. 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. Varsharani 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, Dhamangaon, Tal. Igatpuri, Dist. Nashik.





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**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: 05/12/2021

2<sup>nd</sup> year BAMS (B 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: 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 Shiipa	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. Shiipa Badhe	Professor	Shalyatantra	SMBT Ayurved College & Hospital, Dhamangaon, Nashik



**Attendance for Research Methodology Workshop Second Year  
Batch-B-(05-12-2021)**

Sr No	Name Of Student	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6
1	MAGAR HARSH PRADIP	P	P	P	P	P	P
2	MALEKAR SHRINIVAS PRALHAD	P	P	P	P	P	P
3	MARATHE PRANJAL SANJAY	P	P	P	P	P	P
4	MARATHE SANKET ASHOK	P	P	P	P	P	P
5	MORE MRUNALI KISHOR	P	P	P	P	P	P
6	NAPHADE SHREYSH KRUSHNA	P	P	P	P	P	P
7	NICHITE SNEHA BHASKAR	P	P	P	P	P	P
8	PADGILWAR PRASAD CHANDRAKANTRAO	P	P	P	P	P	P
9	PAGAR PRATIK RAVINDRA	P	P	P	P	P	P
10	PAL VARSHADEVI RADHESHYAM	A	A	A	A	A	A
11	PANJWANI AMITKUMAR RAVIKUMAR	P	P	P	P	P	P
12	PATIL ADITI MILIND	P	P	P	P	P	P
13	PATIL HIMANI SANJAY	P	P	P	P	P	P
14	PATIL PAVAN ROHIDAS	P	P	P	P	P	P
15	PATIL RAMESHWAR DIPAK	P	P	P	P	P	P
16	RAKH SNEHAL BARIKRAO	P	P	P	P	P	P
17	RANSHUR MAYURI DATTATRAY	P	P	P	P	P	P
18	SALUNKHE MANSI JITENDRA	P	P	P	P	P	P
19	SHINDE MAHESH SUNIL	P	P	P	P	P	P
20	SHINDE PRIYANKA PRAVIN	P	P	P	P	P	P
21	SHINGNE SAMRUDDHI SUDHIR	P	P	P	P	P	P
22	SONKUSARE KRUSHNAKAMAL ARUN	P	P	P	P	P	P
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	P	P	P	P
26	ULPE PRANITA SHASHIKANT	P	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	P	P	P	P	P



  
**HOD & PROFESSOR**  
**Course Coordinator**  
 SMST Ayurved College & Hospital  
 Dhamangaon, Tal. Igatpuri, Dist. Nashik



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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 conducted 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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- I. 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.
- I. 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



  
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

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 (B 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. Shipia 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



**Attendance for Research Methodology Workshop Third Year  
Batch-B-(05-12-2021)**

Sr No	Name Of Student	SESSION 1	SESSION 2	SESSION 3	SESSION 4	SESSION 5	SESSION 6
1	KHILLARE ONKAR DATTATRAYA	P	P	P	P	P	P
2	MAHAJAN ASHWINEE RAVINDRA	P	P	P	P	P	P
3	MANDLIK PRACHI SUNIL	P	P	P	P	P	P
4	MHATRE RUTIKA JIVAN	P	P	P	P	P	P
5	MORE DIPASHRI MANOJ	P	P	P	P	P	P
6	NANDRE NILIMA NARAYAN	P	P	P	P	P	P
7	NEHE TRUPTI SUNIL	P	P	P	P	P	P
8	NEVDE NISHIGANDHA KALYAN	P	P	P	P	P	P
9	NYAHARKAR KAMLESH DHANANJAY	P	P	P	P	P	P
10	PACHPUTE SHARADA SUBHASH	P	P	P	P	P	P
11	PATIL ASHISH ARUN	P	P	P	P	P	P
12	PATIL NIKITA MADHUKAR	P	P	P	P	P	P
13	PATIL SIDDHARTH SAHEBRAO	P	P	P	P	P	P
14	PAWAR OMKAR HIRAMAN	P	P	P	P	P	P
15	PILLAY FRANKO PRINCE	P	P	P	P	P	P
16	RANE CHETANA SURESH	P	P	P	P	P	P
17	RANE JATINKUMAR VIJAY	P	P	P	P	P	P
18	SARBHUKAN MAYURI NITIN	P	P	P	P	P	P
19	SASANE SHUBHAM BANDU	P	P	P	P	P	P
20	SAWSAKKE ANJALI GANESH	P	P	P	P	P	P
21	SHINDE RUSHIKESH SANTOSH	P	P	P	P	P	P
22	SHINDE SHUBHAM DILIP	P	P	P	P	P	P
23	SONAWANE AKASH RAJENDRA	P	P	P	P	P	P
24	THOMBRE PRIYA BHAGUJI	P	P	P	P	P	P
25	TIPANE SHUBHAM SANJAY	P	P	P	P	P	P
26	TIPLE DISHA KARMAVIR	P	P	P	P	P	P
27	VAIDYA SHWETA VASANTRAO	P	P	P	P	P	P
28	WAGH YASHPAL HASRATH	P	P	P	P	P	P
29	YADAV VISHAL LALI	P	P	P	P	P	P
30	YELMOTE RUTUJA PRASHANT	P	P	P	P	P	P



*[Signature]*  
**HOD & PROFESSOR**  
**Course Coordinator**

SMUT Ayurved College & Hospital  
Dhamanganon, Tal. Igatpuri, Dist. Nashik.



SMBT Sevabhavi Trust's

## SMBT AYURVED COLLEGE AND HOSPITAL

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

Ref. No – 1354/SMBT/05/MET/Gen-05

Date-02/06/2022


### CIRCULAR

1. 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.
3. Lectures :

As per schedule in brochure.
4. Please note attendance is compulsory for those who have registered the course.
5. Please acknowledge.



Distribution –  
Notice Board

  
Principal

SMBT Ayurved College & Hospital

Principal

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



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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

**Resource Person** - As Per Schedule

**Name of the section who organized event** - 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.





## 2- Principles of ICH-GCP By Dr. Varsharani Niphade

Good clinical practices are applicable for the research where trial 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 trial.

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 trial 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.

### **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.



## **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.

Without 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 & 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.

**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 training 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.

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.

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### GOOD CLINICAL PRACTICES

#### SCHEDULE

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 Ayurved college	6/Jun/22	2 pm to 4 pm
4	Principles of ICH-GCP	Dr. Varsharani Niphade	Asso. Professor, Department of Kayachikitsa. SMBT Ayurved college	7/Jun/22	1 pm to 3 pm
5	Roles and Responsibilities of IEC	Dr. Ankush Gunjal	Asso. Professor, Department of Kayachikitsa. SMBT Ayurved college	7/Jun/22	3 pm to 4 pm
6	Informed Consent	Dr. Shilpa Badhe	Professor, Department of Shalyatantra. SMBT Ayurved college	8/Jun/22	1 pm to 2 pm
7	Protocol Elements	Dr. Varsharani Niphade	Asso. Professor, Department of Kayachikitsa. SMBT Ayurved 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 Ayurved 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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## GOOD CLINICAL PRACTICES

### SCHEDULE

S.No	Name of Topics	Speaker	Designation	Date	Time
9	Medical Negligence & Laws of GCP	Dr. Kiran Mantri	Asso. Professor, Department of Agadtantra. SMBT Ayurved college	9/Jun/22	1 pm to 1.45 pm
10	Vulnerable Population	Dr. Shilpa Badhe	Professor, Department of Shalyatantra. SMBT Ayurved 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 Ayurved college	9/Jun/22	2.30pm to 3.15pm
12	GMP & Formulations of Ayurvedic Medicines	Dr. Sunita Bhusare	Asso. Professor, Department of RSBK. SMBT Ayurved college	9/Jun/22	3.15pm to 4pm
13	GCP and Standard Pancharma Procedures	Dr. Anushree Netke	Asso. Professor, Department of Panchakarma. SMBT Ayurved college	10/Jun/22	1 pm to 1.45 pm
14	Adverse Drug Reaction	Dr. Amol Gulve	Asst. Professor, Department of Kayachikitsa. SMBT Ayurved college	10/Jun/22	1.45 pm to 2.30pm
15	Pharmacovigilence	Dr. Rajesh Wankhede	Professor, Department of Dravyagunvidnyan. SMBT Ayurved college	10/Jun/22	2.30pm to 3.15pm
16	Healthy Lifestyle	Dr. Vaishali Bhabad	Professor, Department of Swasthavritta. SMBT Ayurved college	10/Jun/22	3.15pm to 4.15pm
17	Feedback, Post Test and Certificate Distribution	Dr Varsha & Dr Darshana	-	10/Jun/22	4.15 pm to 5pm

Course Coordinator-- Dr Varsharani Niphade  
Dr Darshana Borkar  
Course Date- 06-06-2022 To 10-06-2022





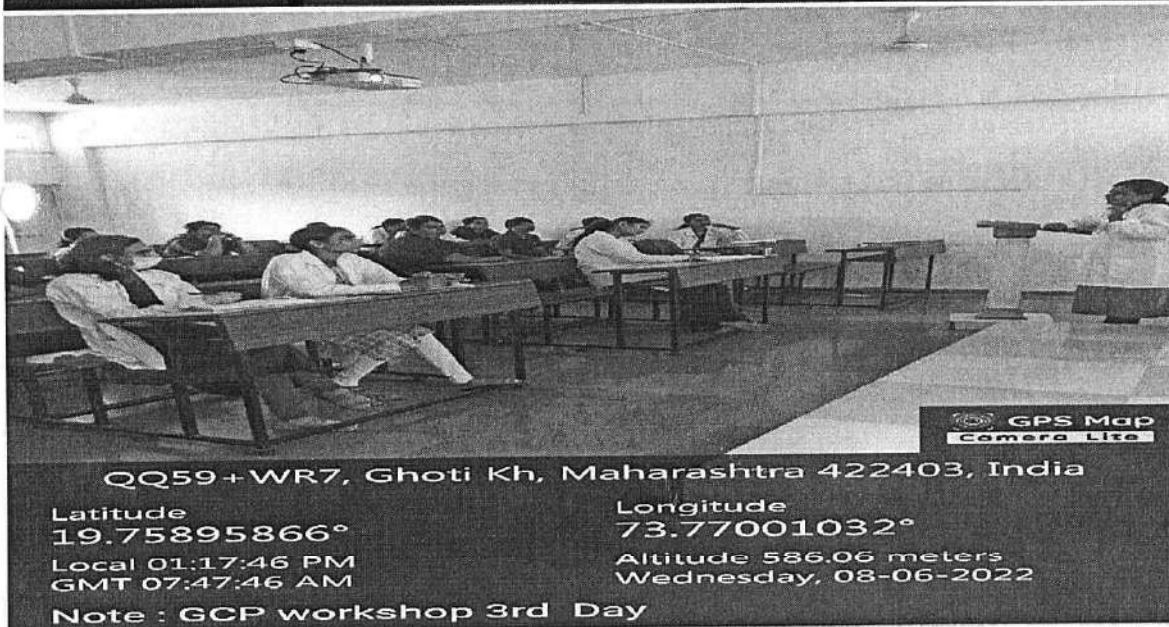
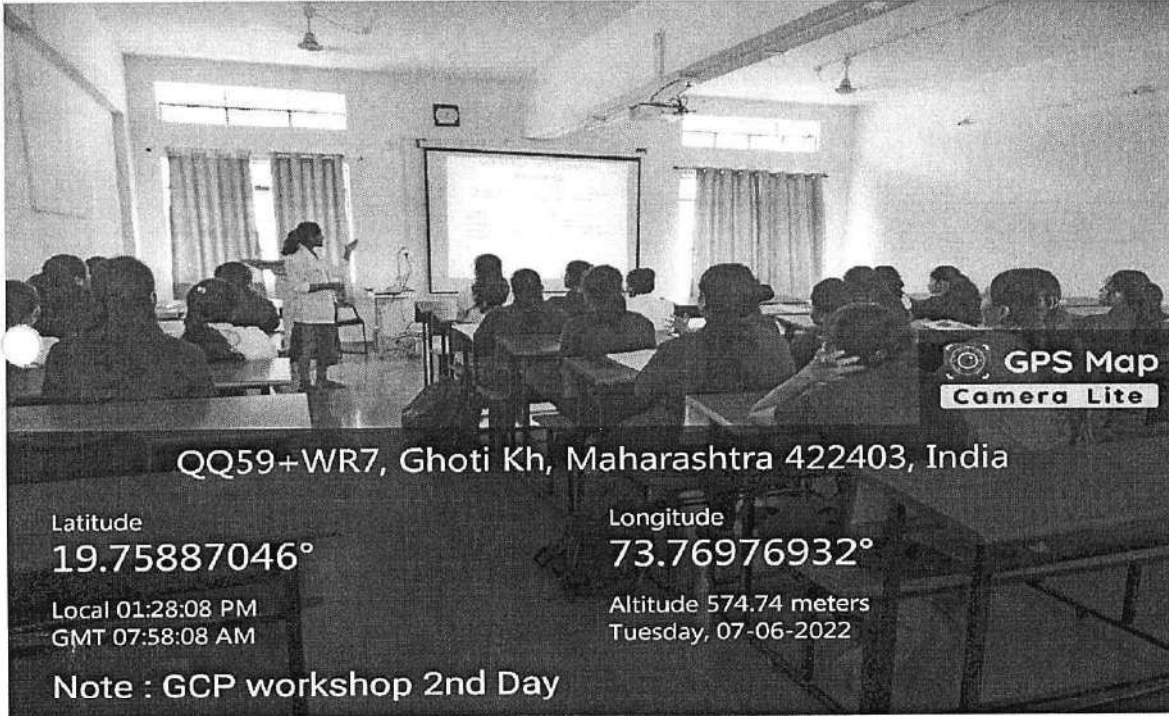
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## PHOTOS



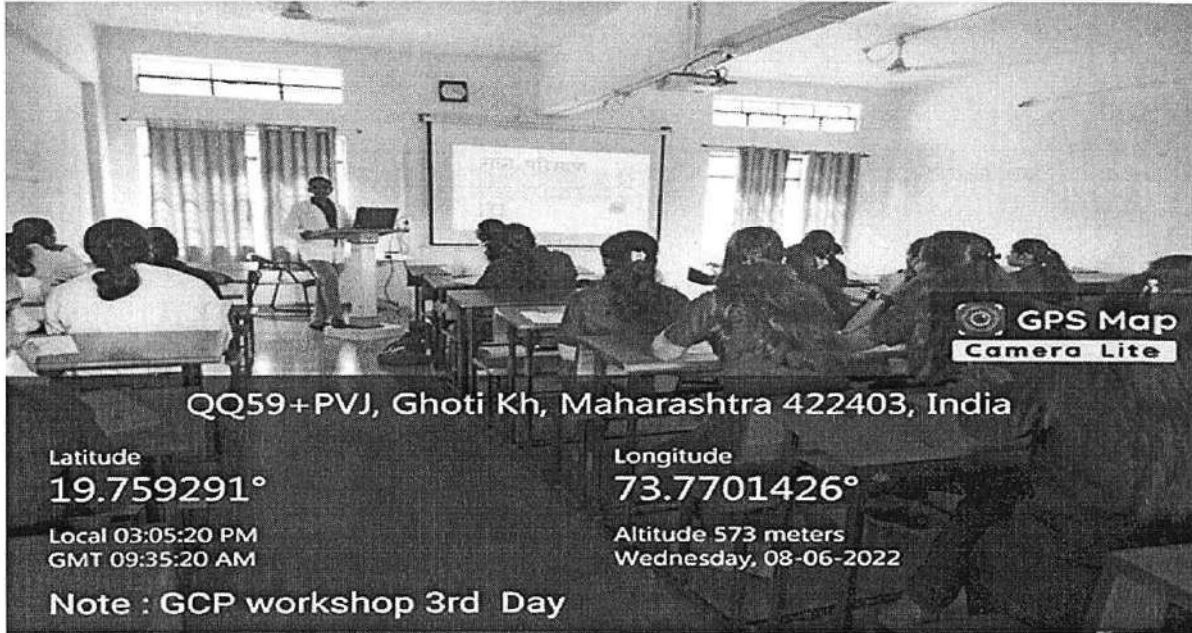


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GPS Map  
Camera Lite

QQ59+PVJ, Ghoti Kh, Maharashtra 422403, India

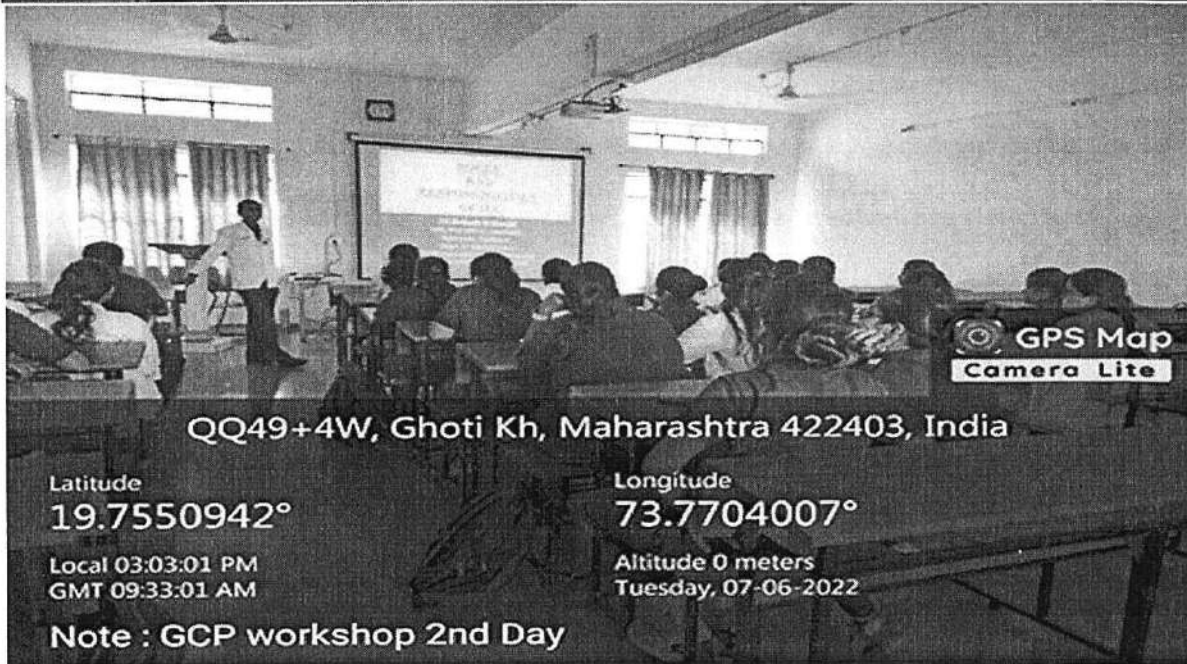
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Local 03:05:20 PM  
GMT 09:35:20 AM

Longitude  
73.7701426°

Altitude 573 meters  
Wednesday, 08-06-2022

Note : GCP workshop 3rd Day



GPS Map  
Camera Lite

QQ49+4W, Ghoti Kh, Maharashtra 422403, India

Latitude  
19.7550942°

Local 03:03:01 PM  
GMT 09:33:01 AM

Longitude  
73.7704007°

Altitude 0 meters  
Tuesday, 07-06-2022

Note : GCP workshop 2nd Day





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**GCP WORKSHOP PRE & POST TEST ANALYSIS**

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
3	Dr Asavari Rayate	11	PASS	14	PASS
4	Dr Gaurav Singh	10	PASS	14	PASS
5	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
11	Dr Mohini Chaitwar	12	PASS	11	PASS
12	Dr Pooja Kholde	10	PASS	13	PASS
13	Dr Pooja Sonkamble	11	PASS	13	PASS
14	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
19	Dr Sachin Gwalani	11	PASS	15	PASS
20	Dr Sayali Kewat	4	FAIL	7	PASS
21	Dr Sayali Kulkarni	11	PASS	12	PASS
22	Dr Sayali wagh	11	PASS	13	PASS
23	Dr Shivam Tompe	11	PASS	15	PASS
24	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
28	Dr Tanisha Shinde	10	PASS	13	PASS
29	Dr Tejashri Salve	8	PASS	11	PASS
30	Dr Tejashri waghmare	8	PASS	11	PASS
31	Dr Vaishnavi Shete	9	PASS	13	PASS
32	Dr Yogesh Patil	13	PASS	14	PASS
33	Dr Niti Rathour	ABSENT	ABSENT	9	PASS
34	Dr Aasha Pawar	9	PASS	12	PASS
35	Dr Arjun Katkar	ABSENT	ABSENT	15	PASS
36	Dr Pooja Pagar	ABSENT	ABSENT	9	PASS
37	Dr Karishma Jaiswal	ABSENT	ABSENT	8	PASS
38	Dr Pratik Shau	ABSENT	ABSENT	10	PASS

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Ref No. 13/03/SMBT/JST HSET/L/CE/22-1.

Date: 6/10

**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. Karishma Veras	PG 1 <sup>st</sup>	Karishma	Karishma	Karishma	Karishma	Karishma
2	Dr. Aswani Rayate	PG 1 <sup>st</sup>	Rayate	Rayate	Rayate	Rayate	Rayate
3	Dr. Harshada Patil	PG	Patil	Patil	Patil	Patil	Patil
4	Dr. Pooja Khode	PG 1 <sup>st</sup>	PKhode	PKhode	PKhode	PKhode	PKhode
5	Dr. Shrikrushna Mahale	PG	Ab	Ab	Ab	Ab	Ab
6	Dr. Jayesh Ceti	PG	Ceti	Ceti	Ceti	Ceti	Ceti
7	Dr. Akshay Barai	PG	Barai	Barai	Barai	Barai	Barai
8	Dr. Arjun Karkar	PG	Arj	Arj	Arj	Arj	Arj
9	Dr. Swapnil Kawampure	PG	Sw	Sw	Sw	Sw	Sw
10	Dr. Pradnya Kambli	PG	P	P	P	P	P
11	Dr. Reshma Pathan	PG	Rp	Rp	Rp	Rp	Rp
12	Dr. Sayali Kewad	PG	S	S	S	S	S
13	Dr. Snehal S Chougale	PG 1 <sup>st</sup>	Snehal	Snehal	Snehal	Snehal	Snehal
14	Dr. Tejaswini R. Waghmare	PG 1 <sup>st</sup>	Tejaswini	Tejaswini	Tejaswini	Tejaswini	Tejaswini
15	Dr. Vaishnavi G. Shete	PG 1 <sup>st</sup>	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi
16	Dr. Sayali N. Wagh	PG 1 <sup>st</sup>	Sayali	Sayali	Sayali	Sayali	Sayali
17	Dr. Mohini Chaitanya	PG 1 <sup>st</sup>	Mohini	Mohini	Mohini	Mohini	Mohini
18	Dr. Singh Gaurav P.	PG 1 <sup>st</sup>	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav
19	Dr. Pooja Borkambe	PG 1 <sup>st</sup>	Pooja	Pooja	Pooja	Pooja	Pooja
20	Dr. Tanisha Shinde	PG 1 <sup>st</sup>	Tanisha	Tanisha	Tanisha	Tanisha	Tanisha
21	Dr. Manali S. Patil	PG 1 <sup>st</sup>	Manali	Manali	Manali	Manali	Manali
22	Dr. Rutuja V. Raut	PG 1 <sup>st</sup>	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja
23	Dr. Snehal M. Kawatkar	PG 1 <sup>st</sup>	Snehal	Snehal	Snehal	Snehal	Snehal
24	Dr. Pooja Y. Pagar	PG 1 <sup>st</sup>	Pooja	Pooja	Pooja	Pooja	Pooja
25	Dr. Pooja Y. Pagar	PG 1 <sup>st</sup>	Pooja	Pooja	Pooja	Pooja	Pooja
26	Dr. Tejaswini Saur	PG 1 <sup>st</sup>	Tejaswini	Tejaswini	Tejaswini	Tejaswini	Tejaswini
27	Dr. Anjali Sahu	PG 1 <sup>st</sup>	Anjali	Anjali	Anjali	Anjali	Anjali
28	Dr. Pratiksha Jadhav	PG 1 <sup>st</sup>	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha
29	Dr. Pratiksha Shirsat	PG 1 <sup>st</sup>	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha
30	Dr. Sayali Kulkarni	PG	Sayali	Ab	Ab	Ab	Sayali
31	Dr. Tompe Shivam	PG 1 <sup>st</sup>	Tompe	Tompe	Tompe	Tompe	Tompe
32	Dr. Karishma Jaiswal	PG	Ab	Ab	Ab	Ab	Ab
33	Dr. Roopeshwari Rathore	PG	Ab	Ab	Ab	Ab	Ab
34	Dr. Meghana Borawake	PG	Ab	Ab	Ab	Ab	Ab



*(Signature)*

Workshop Coordinator



