



University Research Department - Notification No. 09/2023

**Guidelines for conducting the Basic Research Methodology Workshop/
Advanced Research Methodology workshop/ Workshop on Good
Clinical Practices**

A. Guidelines for Basic Workshop in Research Methodology

1. The recommended number of participants for the workshop shall be 30 – 40. A maximum of 50 participants will be enrolled.
2. A minimum of 18 hours course duration is compulsory.
3. Out of 18 hours, institution may include topics of their choice up to a maximum of 3 hours. Remaining 15 hours must be from the MUHS Curriculum. Alternately, the full 18 hour programme may be as per MUHS curriculum.
4. The workshop can be conducted over 3 full days or 4-6 half days, as suitable. It should be completed within **ONE WEEK**.
5. Pre- test and Post-test must be conducted for every workshop.
6. An observer may be appointed by the University for the Workshop, the TA/DA of whom will be borne by the organizer. The observer will submit a report of the workshop to the URD, MUHS.
7. College will collect fees as per the approved fee structure of MUHS for teachers/ PG students for **Basic Workshop in Research Methodology**.
8. A minimum of 6 faculties out of approved faculty data base for Basic Research Methodology Workshop should conduct a workshop. (2 faculties may be other than approved faculty data base)

B. Guidelines for Advance Workshop in Research Methodology

1. The recommended number of participants for the workshop shall be 30 – 40. A maximum of 50 participants will be enrolled.
2. A minimum of 36 hours course duration is compulsory.
3. Out of 36 hours, institution may include topics of their choice up to a maximum of 6 hours. Remaining 30 hours must be from the MUHS Curriculum. Alternately, the full 36-hour programme may be as per MUHS curriculum.
4. The workshop can be conducted over 6 full days within **ONE WEEK**.
5. Pre- test and Post-test must be conducted for every workshop.
6. An observer may be appointed by the University for the Workshop, the TA/DA of whom will be borne by the organizer. The observer will submit a report of the workshop to the URD, MUHS.



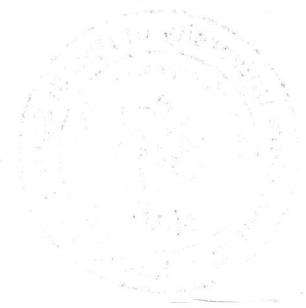
7. Colleges will collect fees as per the approved fee structure of MUHS for PG teachers/ Ph.D. scholars for **Advance Workshop in Research Methodology**.
8. A minimum of 9 faculties out of approved faculty data base for Advance Research Methodology Workshop should conduct a workshop. (2 faculties may be other than approved faculty data base)

C. Guidelines for workshop on Good Clinical Practices

1. The recommended number of participants for the workshop shall be 30 – 40. A maximum of 50 participants will be enrolled.
2. A minimum of 06 hours course duration is compulsory.
3. Pre- test and Post-test must be conducted for every workshop.
4. An observer may be appointed by the University for the Workshop, the TA/DA of whom will be borne by the organizer. The observer will submit a report of the workshop to the URD, MUHS.
5. Colleges will collect fees as per the approved fee structure of MUHS for teachers/ PG students for **Basic Workshop in Research Methodology**.
6. A minimum of 04 faculties out of approved faculty data base for workshop on Good Clinical practices should conduct a workshop. (2 faculties may be other than approved faculty data base)

D. General Guidelines pertaining to A, B and C:

1. Regarding the workshop faculty
 - a. Faculty should not belong to one department/ one subject only. Preferably, faculty should include pre-, para and clinical faculty and must fulfill criteria as specified for respective workshops.
 - b. Faculty should be from the University Research Department approved faculty list, approval for the same should be taken from University Research Department, MUHS.
2. An administrative fee per participant as per table 1 has to be submitted by a combined demand draft in the name of '**Registrar, MUHS. Nashik**' payable at Nashik. This has to be submitted to University Research Department, MUHS, Nashik.
3. Upon completion of the workshop, the institution must submit the following:
 - a. Attendance sheet of participants (to be signed twice daily), duly signed by workshop coordinator, and head of the institution.
 - b. Feedback summary as per format provided.
 - c. Participant database as per format.
4. Institutions may take Maharashtra Medical Council (MMC) approval or any other council approval separately.
5. Decision about approval of the workshop will be taken by University Research Department, MUHS.
6. Participant must complete Registration forms at the time of registration which the institution will submit to University Research Department, MUHS.
7. The administrative staff at the University Research Department, MUHS can be contacted for any clarifications related to financial and administrative procedure.



8. Upon completion of the workshop, the institution must submit the documents as detailed in guidelines for respective workshops.
9. Exemption from the workshop may be granted to those who are already serving as faculty for the above said workshop at college and University level.
10. The Certificate of completion shall be issued by the University Research Department, MUHS, Nashik.
11. All affiliated colleges are henceforth required to conduct these workshops in accordance with the above Guidelines.
12. Application form for permission to conduct workshop should be as per Annexure - 1
13. Application form and Criteria for inclusion of Names of Resource Faculty is as per Annexure-2
14. Expenses for the workshop will be taken care by the college.

Table: Fee structure for workshop to be conducted at colleges:

Sr. No.	Workshop	Participant	Administrative and certification fees per participant (to be submitted to MUHS)	Fees for organizing colleges	Total maximum Fees
1	Basic Workshop in Research Methodology	Teachers & students of Affiliated colleges to MUHS, Nashik	Rs. 500	Rs. 2,000/- per Teacher Rs. 1,500/- per Student	Rs. 2,500/- per Teacher Rs. 2,000/- per Student
2	Advance Workshop in Research Methodology		Rs. 1000/-	Rs. 4000/-	Rs. 5,000/-
3	Good Clinical Practice Workshop		Rs. 500	Rs. 500/-	Rs. 1,000/-

15. All correspondence related to submission of documents, demand draft, etc may be addressed to:

**The Head,
University Research Department,
Maharashtra University of Health Sciences,
Wani Dindori Road, Mhasrul,
Nashik – 422 004.**


Registrar





महाराष्ट्र आरोग्य विज्ञान विद्यापीठ, नाशिक
Maharashtra University of Health Sciences, Nashik
 दिंडोरी रोड, म्हसळ, नाशिक-४२२००४, Dindori Road, Mhasrul, Nashik
 Tel : (0253) 2539298/288

Website: www.muhs.ac.in, E-mail: urd@muhs.ac.in

**Application Form for Organizing Basic Research Methodology Workshop/
 Advanced Research Methodology workshop/ Workshop on Good Clinical
 Practices**

A. Details of the Organizing College/ Institute

1. Name and Postal Address.

 PIN
 Mob: Telephone (Office):
 E-mail:
2. The College/ Institute/Department is affiliated to MUHS since..... years via
 letter no: dated.....
3. Name of Workshop:
4. Date of Workshop:

B. Details of workshop Co-ordinator:

1. Name:
 Designation Department.....
 E-mail:
 Mob:

C. Details of Resource Faculties as per approved list of MUHS, Nashik

Sr. No.	Name of Faculty	Designation	College
1			
2			
3			
4			
5			
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11			
12			

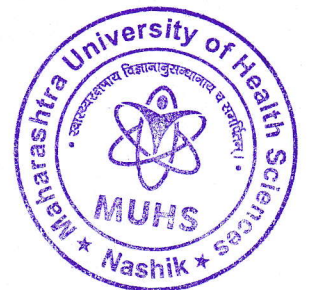
D. Schedule of workshop to be attached.

(Sample schedule attached as Annexure – 3, 4 and 5)

Signature of Workshop Co-ordinator
 Name:
 Date:

Signature of Dean/ Principal
 Name:
 Date:

College Seal:



Maharashtra University of Health Sciences, Nashik
University Research Department

Application Form
Approval as faculty for Research Methodology Workshops

Name: _____ Designation: _____

Department: _____

Institute: _____

Faculty (Select as applicable): _____

Email id: _____ Mobile No.: _____

Checklist of documents (submit scanned copies of supporting documents):

No.	Name of document	Submitted/ Not submitted
A	PG degree/PhD degree certificate in Health sciences discipline/Education/ Statistics	
	Name change gazette notification/ affidavit (applicable if name is different than what is mentioned in degree certificate)	
B (any one)	Certificate of minimum 6-day Advanced research methodology workshop attendance in last 5 Years	
	Experience Certificate of being faculty in at least 3 basic/advanced research methodology workshops in last 5 Years	
	Certificate of domain of expertise in research methodology (Epidemiology/ Statistics/ Clinical Research/ Pharmaceutical Science/ Qualitative Research/ Grant writing etc.)	
C (any one)	First pages of three papers published in national/ international refereed/ indexed journals. (mention names of indexing agencies)	
	Award for Research papers in MUHS/ State/ National/ International conference	
	At least one research grant from State/ National funding agencies like MUHS/ DBT/ DST/ ICMR/ AYUSH etc.	

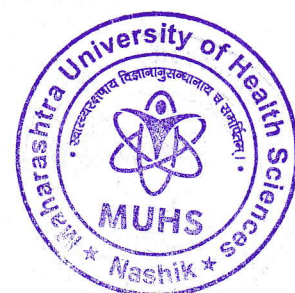
Consent:

I hereby give my consent to publish my name and contact details (mobile number and email id) in the approved Faculty database on MUHS website, if found eligible as per approved criteria.

Date: _____

Name and signature

Fill up form and send soft copy/scanned copy along with scanned supporting documents of above-mentioned documents to urd@muhs.ac.in



Programme Schedule of Basic Research Methodology WorkshopName of College/ Institute: -----
-----Date of Workshop: -----

Day One: / /20

S. No.	From -To	Topic	Method	Facilitators/ Faculty
1	9:00 am- 10:00 am	Registration, Breakfast and Pre -Test		
2	10:00 am - 10:45 am	L-1: Introduction to Research Methodology	Lecture	
3	10:45 am - 11:30 am	L-2 : Study Designs-1: Descriptive studies	Lecture	
4	11:30 am- 11:45 am	Tea		
5	11:45 am- 12:30 pm	L-3 : Study designs-2: Case Control and Cohort Studies	Lecture	
6	12:30 pm- 1:15 pm	L-4 : Study Designs-3: Experimental studies	Lecture	
7	1:15 pm- 1:45 pm	Lunch		
8	1:45 pm- 3:15 pm	Group Activity-1: Participants will be divided into 4 -5 groups. <ul style="list-style-type: none"> • Each group will discuss among itself and come out with at- least 2 research questions and related hypothesis • Indicate why the topic was selected by the group over other topic • Indicate the type of study with reasons thereof • Indicate dependent and independent variables included in the study (Tea may be served during group activity)	Group Activity	
9	3:00 pm- 4:15 pm	L-5: Types of Data and Data Presentation	Lecture	
10	4:15 pm- 5:00 pm	L-6: Literature search	Lecture	



S. No.	From -To	Topic	Method	Facilitators/ Faculty
1	9:00 am- 9:30 am	Breakfast & tea		
2	9:30 am- 10:15 am	Group Activity-2: Participants will divide into groups as was done for GA-1 and GA-2. Each group will try to search references related to topics finalized and discussed in GA-1 and GA-2	Group Activity	
3	10:15 am- 11:15 am	L-7: Sampling: Methods & Sample size	Lecture Demo	
4	11:15 am- 12: 30 pm	Group Activity-3: Participants will divide into groups as in GA-1. Each group will discuss and present <ul style="list-style-type: none"> • Sampling method adopted for the study / studies selected in GA-1 • Discuss and present sample size determined for the study • Present at least 3 dummy tables generated (Tea shall be served during group activity) 	Group Activity	
5	12:30 pm- 1:30 pm	L-8: Inferential Statistics	Lecture	
6	1:30 pm- 2:00 pm	Lunch		
7	2:00 pm- 2:45 pm	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	
8	2:45 pm- 3:45 pm	L-9: Questionnaire Designing	Lecture	
9	3:45 pm- 4:00 pm	TEA		
10	4:00 pm - 5:00 pm	L-10: Writing a research protocol	Lecture	



S. No.	From -To	Topic	Method	Facilitators/ Faculty
1	9:00 am-9:30 am	Breakfast & tea		
2	9:30 am-10:45 am	L-11: Ethical Issues In Medical Research Groups will present ethical issues in their respective studies	Lecture and Group activity	
3	10:45 am-11:00 am	TEA		
4	11:00 am-12:00 pm	L-12: Evaluation of a diagnostic test	Lecture	
5	12:00pm – 1:15 pm	L-13: Critical Evaluation of Journal Article	Lecture	
6	1:15 pm – 1:45 pm	Lunch		
7	1:45 pm – 3:00 pm	GA-5: Two journal articles (different study designs) will be presented and discussed by members. (Tea shall be served during the group activity.)	Group activity	
8	3:00 pm – 3:45 pm	L-14: Qualitative research methods	Lecture	
9	3:45 pm-4:30 pm	L-15: Computer assistance in Data Analysis Excel and EPI Info.	Lecture	
10	4:30 pm – 5:00 pm	Post - Test and Valedictory		



Programme Schedule of Advance Research Methodology WorkshopName of College/ Institute: -----
-----Date of Workshop: -----

Day One: / /20

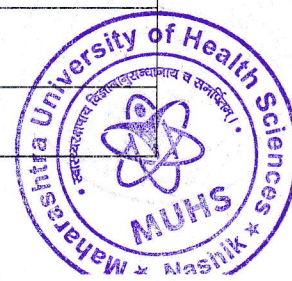
S. No.	Time	Topic	Method	Facilitators/ Faculty
1	09:30 - 10:00	Registration and breakfast		
2	10:00 - 10:30	Pre-test		
3	10:30 - 10:45	Objectives of workshop		
4	10:45 - 11:30	L1:Introduction to research methodology	L	
5	11:30 - 11:45	Tea Break		
6	11:45 - 12:30	L2:Framing Research question, hypothesis	L	
7	12:30- 13:15	GA 1 : Each group will 1. Select one research topic 2. Assess topic on FINER criteria 3. Present the research question for the topic & mention type of research question. 4. Mention the population 5. Mention the variables 6. Mention the hypothesis (if any) Mention the type of hypothesis	GA	
8	13:15 - 13:45	Lunch		
9	13:45 - 14:30	L3: Classification of study designs : Descriptive study designs	L	
10	14:30- 15:00	GA 2: Issues in descriptive studies. -Research question -Population types -Sampling and sample size -Measurements -Bias in descriptive studies- selection bias & measurement bias -Ethical issues - Analysis: Hypothesis generation	GA	
11	15:00 - 15:45	LD1: Faculty member would present & discuss two published studies -Research question -Population types -Sampling and sample size -Measurements -Bias in descriptive studies- selection bias & measurement bias -Ethical issues - Analysis: Hypothesis generation	LD	



12	15:45 - 16:30	L4:Case control studies	L	
13	16:30 - 17:30	GA 3: Issues in case control/ cohort studies. -Research question -Population types -Sampling and sample size - Sources & selection of cases & controls/comparison -Measurement of exposure -Bias in case control studies- selection, measurement, confounding- matching - Analysis: statistical testing , odds ratio, RR, AR, multivariate analysis	GA	
14	17:30 - 17:45	Feedback Forms		



S. No.	Time	Topic	Method	Facilitators/ Faculty
1	09:30 - 10:00	Tea and breakfast		
2	10:00 - 10:30	Recapitulation by participants GA 4: Participant's presentations: Group 1- Types of bias in research and measures to minimise them.	GA	
3	10:30 - 11:15	L5: Cohort studies	L	
4	11:45 - 12:45	GA 5: Issues in cohort studies. -Research question -Population types -Sampling and sample size - Sources & selection of cases & controls/comparison -Measurement of exposure -Bias in case control studies- selection, measurement, confounding- matching - Analysis: statistical testing , odds ratio, RR, AR, multivariate analysis	GA	
5	12:45 - 13:30	Lunch		
6	13:30 - 14:30	L6 -Clinical trial	L	
7	14:30 - 15:00	GA 6: Issues in clinical trials. -Research question -Population types -Sampling and sample size - Allocation methods- Randomization, blinding. -Bias - selection, classification, follow up, confounding - Analysis: ITT, per protocol, NNT - Interpretation of results (Example/s to be taken from studies suggested by participants. Randomization exercise by all. Actual demo of registering a trial. Some discussion on unethical trials)	GA	
8	15:00 - 15:30	LD 2: Presentation of at least two clinical trials & discuss: -Research question -Population types -Sampling and sample size - Allocation methods- Randomization, blinding. -Bias - selection, classification, follow up, confounding - Analysis: ITT, per protocol, NNT - Interpretation of results	LD	
9	15:30 - 16:15	Patent		
10	16:15 - 16:30	Feedback forms		



S. No.	Time	Topic	Method	Facilitators/ Faculty
1	09:30 - 10:00	Tea and breakfast		
2	10:00 - 10:30	Recapitulation GA 7:Participant's presentations : Group 2- Association & causation	GA	
3	10:30 - 11:30	L 7:Types of variables(data), conversion of data from one Type to other, scales of measurement	L	
4	11:30 - 12:30	LD3:Data presentation. Faculty will demonstrate use of MS excel in preparing various types of data presentations.	LD	
5	12:30 - 13:15	Lunch		
6	13:15 - 14:30	L8: Descriptive statistics(concept of central tendency & dispersion, normal curve, skewed distribution)	L	
7	14:30 - 15:15	L 9: Role of chance , bias , confounding & interaction	L	
8	15:15 - 16:00	LD 4 : Sample size determination (demo of use of computers)	LD	
9	16:00 - 16:45	L10 :Methods of data collection Questionnaire designing	L	
10	16:45 - 17:30	GA 08: Exercise on good and bad questionnaire	GA	
11	16:45 - 17:00	Feedback Forms		



Day Four: / /20

S. No.	Time	Topic	Method	Facilitators/ Faculty
1	09:30 - 10:00	Tea and breakfast		
2	10:00 - 10:30	Recapitulation by participants GA 9 :Participant's presentations : Group 3- Criteria for selection of statistical test-type & distribution of data, type of sample, objectives etc.	GA	
3	10:30 - 11:00	Recapitulation by participants GA 10: Participant's presentations Group 4 : Sampling methods	GA	
4	11:00 - 11:45	L 11:-Literature Search	L	
5	11:45 - 12:30	GA 11: Literature Search Activity Online Literature Search by participants. Faculty to moderate	GA	
6	12:30 - 13:15	L 12: Referencing Management	L	
7	13:15 - 14:00	Lunch		
8	14:00 - 15:00	L 13:Evaluation of a diagnostic test (ROC curve & it's interpretation) Exercise to calculate sensitivity , specificity TEA will be served inside	L	
9	15:00 - 16:00	GA 12: Research priorities in various disciplines	GA	
10	16:00 - 16:45	L 14: Ethics in health sciences research(ICH-GCP, Indian GCP, ICMR guidelines)	L	
11	16:45 - 17:00	Feedback Forms		



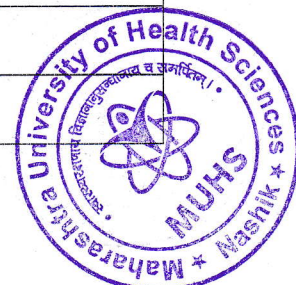
Day Five: / /20

S. No.	Time	Topic	Method	Facilitators/ Faculty
1	09:30 - 10:00	Tea and breakfast		
2	10:00 - 10:30	Recapitulation by participants GA 13: Participant's presentations Group 5 : Interpretation of statistical test- probability , significance, CI, power etc.	GA	
3	10:30 - 12:00	LD 5 : Demonstration of Epi Info and Open EPI – the WHO soft ware	LD	
4	12:00 – 13:00	L 15: Inferential statistics & statistical fallacies:- Parametric, non-parametric , which test to use , when & why(a case of ANOVA , also post hoc tests)	L	
5	13:00 - 13:45	Lunch		
6	13:45 - 14:45	LD 6 : Use of computers in inferential statistics	LD	
7	14:45 – 15:45	L 16: Regulatory aspects in research CONSORT, AYUSORT, ICH-GCP, Trial Registration, Role of FDA	L	
8	15:45 – 16:45	L 17: Proposal writing for funding agencies Protocol writing	L	
9	16:45 – 17:00	Feedback Forms		

Day Six: / /20

S. No.	Time	Topic	Method	Facilitators/ Faculty
1	09:00 - 10:00	Tea and breakfast		
2	10:00 - 10:30	Recapitulation by participants GA 14: Participant's presentations Group 6: Implementation of research- Gantt charting , operational definitions/criteria/classifications, pilot study , dummy tables, monitoring etc.	GA	
3	10:30 - 11:30	L 18: Writing dissertation: Data Reporting Writing for Publication	L	
4	11:30 - 12:30	GA 15: Critical evaluation of journal article Each group will discuss the article allotted/selected & present. The articles should represent all study designs.	GA	
5	12:30 - 13:30	L 19: Qualitative research methods Question answer session	L	
6	13:30 - 14:00	Lunch		
7	14:00 - 14:45	L 20 : Meta-Analysis Demonstration and Group Activity	L	
8	14:45 - 15:30	Post Test		
9	15:30 - 16:30	Project Presentations By Participants		
10	16:30 - 1:700	Valedictory session		

L= Lecture; GA = Group Activity; LD = Lecture Demonstration



Programme Schedule of Workshop on Good Clinical PracticesName of College/ Institute: -----
-----Date of Workshop: -----

Date: / /20

Sr. No.	Time	Topic	Facilitators/ Faculty
1	9:15 am – 9:45 am	Registration	
2	9: 45 am – 10:00 am	Pre Test	
3	10:00 am – 10:30 am	Inauguration	
4	10:30 am – 11:15 am	Introduction & principles of GCP	
5	11:15 am – 11:30 am	Tea Break	
6	11:30 am – 12:15 pm	Roles and Responsibilities of Ethics Committee	
7	12:15 pm – 1:00 pm	Informed consent	
8	1:00 pm – 1:45 pm	Safety Reporting (AE-SAE) CDSCO	
9	1:45 pm – 2:15 pm	Lunch Break	
10	2:15 pm –3:00 pm	Roles and Responsibilities of Investigator	
11	3:00 pm –3:45 pm	Roles and Responsibilities of Sponsor	
12	3:45 pm – 4:30 pm	Regulations (ICMR, NDCT 2019)	
13	4:30 pm – 5:00 pm	Post Test With Discussion	
14	5:00 pm – 5:10 pm	Evaluation Form	





Estd : 1989
NCISM College Code : AYU0153
MUHS College Code : 3401

NAAC ACCREDITED WITH B++, NABH & ISO 21001:2018 CERTIFIED

छत्रपती शाहू महाराज शिक्षण संस्था संचलित

आयुर्वेद महाविद्यालय व रुग्णालय

CHHATRAPATI SHAHU MAHARAJ SHIKSHAN SANSTHA'S

AYURVED MAHAVIDYALAYA & RUGNALAYA

(Recognized by National Commission for Indian System of Medicine, Ministry of AYUSH, Govt. of India, New Delhi & Affiliated to Maharashtra University of Health Sciences, Nashik.)



AMCS/1894/2023

Date: 12/09/2023.

To,
The Head,
University Research Department,
Maharashtra University of Health Sciences,
Dindori Road, Mhasrul, Nashik.

Subject:- Permission to organize "Advanced Research Methodology Workshop" at Chhatrapati Shahu Maharaj Shikshan Sanstha Ayurved Mahavidyalaya and Rugnalaya, Kanchanwadi, Chhatrapati Sambhajnagar.

Respected Sir/Madam,

With reference to above subject, we are planning to organize a "Advanced Research Methodology Workshop" at Chhatrapati Shahu Maharaj Shikshan Sanstha Ayurved Mahavidyalaya and Rugnalaya & Post Graduate Research Centre, Kanchanwadi, Paithan Road, Chhatrapati Sambhajnagar, as per the rules and guidelines of the University Research Department, Maharashtra University of Health Science, Nashik.

We request you to guide us and kindly permit us to conduct activity which is beneficial for Ph.D. students of Ayurveda. We herewith request to permit for this workshop with 50 intakes.

Kindly approve the given programme from 09/10/2023 to 14/10/2023.

Thanking you,



Yours faithfully

Principal

Chhatrapati Shahu Maharaj Shikshan Sanstha's
Ayurved Mahavidyalaya & Rugnalaya
Kanchanwadi, Chhatrapati Sambhajnagar.

Encl: Schedule of Workshop

PROGRAMME SCHEDULE OF ADVANCE RESEARCH METHODOLOGY WORKSHOP

Name of College/Institute: **Chhatrapati Shahu Maharaj Shikshan Sanstha's Ayurved Mahavidyalaya and Rughnalya, Kanchanwadi, Paithan Road, Chhatrapati Sambhajinagar-431011.**
 Date of Workshop:- **09/10/2023 to 14/10/2023**

Day One: 09/10/2023

S. No.	Time	Topic	Method	Facilitators/ Faculty
1	09:30 -10:00	Registration and breakfast		
2	10:00-10:30	Pre-test		
3	10:30 -10:45	Objectives of workshop		
4	10:45-11:30	L1: Introduction to research methodology	L	Dr.Rajesh Kolarkar
5	11:30-11:45	Tea Break		
6	11:45-12:30	L2: Framing Research question. hypothesis	L	Dr.Rajesh Kolarkar
7	12:30-13:15	GA 1 : Each group will 1. Select one research topic 2. Assess topic on FINER criteria 3. Present the research question for the topic & mention type of research question. 4. Mention the population 5. Mention the variables Mention the hypothesis (if any) Mention the type of hypothesis	GA	Dr.Rajesh Kolarkar
8	13:15-13:45	Lunch		
9	13:45-14:30	L3: Classification of study designs: Descriptive study designs	L	Dr.Deepmala Deore
10	14:30-15:00	GA 2: Issues in descriptive studies. -Research question -Population types -Sampling and sample size -Measurements -Bias in descriptive studies- selection bias & measurement bias -Ethical issues - Analysis: Hypothesis generation	GA	Dr.Deepmala Deore
11	15:00-15:45	LD1 : Faculty member would present & discuss two published studies -Research question -Population types -Sampling and sample size --Measurements -Bias in descriptive studies- selection bias & measurement bias -Ethical issues - Analysis: Hypothesis generation	LD	Dr.Deepmala Deore
12	15:45-16:30	L4: Case control studies	L	Dr.S.P.Andurkar
13	16:30-17:30	GA 3: Issues in case control/ cohort studies. -Research question -Population types -Sampling and sample size - Sources & selection of cases & controls/comparison - Measurement of exposure - Bias in case control studies- selection, measurement, confounding- matching Analysis' statistical testing odds ratio, RR, AR, multivariate analysis	GA	Dr.S.P.Andurkar
14	17:30-17:45	Feedback Forms		

Day Two: 10/10/2023

S. No.	Time	Topic	Method	Facilitators/ Faculty
1	09:30-10:00	Tea and breakfast		
2	10:00-10:30	Recapitulation by participants GA 4: Participant's presentations: Group 1 - Types of bias in research and measures to minimize them.	GA	Dr.S.P.Andurkar
3	10:30-11:15	L5: Cohort studies	L	Dr.S.P.Andurkar
4	11:15-12:45	GA 5: Issues in cohort studies. -Research question -Population types -Sampling and sample size - Sources & selection of cases & controls/comparison -Measurement of exposure -Bias in case control studies- selection, measurement, confounding- matching - Analysis: statistical testing , odds ratio, RR, AR, multivariate analysis	GA	Dr.S.P.Andurkar
5	12:45-13:30	Lunch		
6	13:30-14:30	L6 -Clinical trial	L	Dr.Geetanjali Karle
7	14:30-15:00	GA 6: Issues in clinical trials. -Research question -Population types -Sampling and sample size - Allocation methods- Randomization, blinding. -Bias - selection. classification, follow up, confounding - Analysis: ITT, per protocol, NNT - Interpretation of results (Example/s to be taken from studies suggested by participants. Randomization exercise by all. Actual demo of registering a trial. Some discussion on unethical trials)	GA	Dr.Geetanjali Karle
8	15:00-15:30	LD 2: Presentation of at least two clinical trials & discuss: -Research question -Population types -Sampling and sample size - Allocation methods- Randomization, blinding. -Bias - selection, classification, follow up, confounding - Analysis: ITT, per protocol, NNT - Interpretation of results	LD	Dr.Geetanjali Karle
9	15:30-16:15	Patent		Dr.Mukund Sabnis
10	16:15-16:30	Feedback forms		

Arshmeem

Principal

Chhatrapati Shahu Maharaj Shikshan Sanstha's
Ayurved Mahavidyalaya & Ragnalaya,
Kanchanwadi, Chhatrapati Sambhajinagar.

Day Three: 11/10/2023

S. No.	Time	Topic	Method	Facilitators/ Faculty
1	09:30 -10:00	Tea and breakfast		
2	10:00-10:30	Recapitulation G.A 7:Participant's presentations : Group 2- Association & causation	GA	Dr.Shital Chavan
3	10:30-11:30	L 7:Types of variables(data), conversion of data from one Type to other, scales of measurement	L	Dr.Shital Chavan
4	11:30-12:30	LD3:Data presentation. Faculty will demonstrate use of MS excel in preparing various types of data presentations.	LD	Dr.Shital Chavan
5	12:30-13:15	Lunch		
6	13:15-14:30	L8: Descriptive statistics(concept of central tendency & dispersion, normal curve, skewed distribution)	L	Dr.Purushottam Giri
7	14:30-15:15	L 9: Role of chance , bias , confounding & interaction	L	Dr.Purushottam Giri
8	15:15-16:00	LD 4 : Sample size determination (demo of use of computers)	LD	Dr.Purushottam Giri
9	16:00-16:45	L10 :Methods of data collection Questionnaire designing	L	Dr.Purushottam Giri
10	16:45-17:45	GA 08: Exercise on good and bad questionnaire	GA	Dr.Purushottam Giri
11	17:45-18:00	Feedback forms		

Day Four: 12/10/2023

S. No.	Time	Topic	Method	Facilitators/ Faculty
1	09:30 -10:00	Tea and breakfast		
2	10:00-10:30	Recapitulation by participants GA 9 :Participant's presentations : Group 3- Criteria for selection of statistical test-type & distribution of data, type of sample, objectives etc.	GA	Dr.Shiraj Baig
3	10:30-11:00	Recapitulation by participants GA 10: Participant's presentations Group 4 Sampling methods	GA	Dr.Shiraj Baig
4	11:00-11:45	L 11:-Literature Search	L	Dr.Shiraj Baig
5	11:45-12:30	GA 11: Literature Search Activity Online Literature Search by participants. Faculty to moderate	GA	Dr.Shiraj Baig
6	12:30-13:15	L 12: Referencing Management	L	Dr.Shiraj Baig
7	13:15-14:00	Lunch		
8	14:00-15:00	L 13:Eva luation of a diagnostic test (ROC curve & it's interpretation) Exercise to calculate sensitivity , specificity' TEA will be served inside	L	Dr.D.N.Tayade
9	15:00-16:00	GA 12: Research priorities in various disciplines	GA	Dr.D.N.Tayade
10	16:00-16:45	L 14: Ethics in health sciences research (ICH-GCP, Indian GCP, ICMR guidelines)	L	Dr.D.N.Tayade
11	16:45-17:00	Feedback forms		

Day Five: 13/10/2023

S. No.	Time	Topic	Method	Facilitators/ Faculty
1	09:30 -10:00	Tea and breakfast		
2	10:00-10:30	Recapitulation by participants GA 13: Participant's presentations Group 5 Interpretation of statistical test- probability, significance, CI, power etc.	GA	Dr.Vijay Ukhalkar
3	10:30-12:00	LD 5: Demonstration of Epi Info and Open EPI — the WHO soft care	LD	Dr.Vijay Ukhalkar
4	12:00-13:00	L 15: inferential statistics & statistical fallacies: - Parametric, non-parametric which test to use, when & why (a case of ANOVA, also post hoc tests)	L	Dr.Vijay Ukhalkar
5	13:00-13:45	Lunch		
6	13:45-14:45	LD 6 : Use of computers in inferential statistics	LD	Dr.Vijay Ukhalkar
7	14:45-15:45	L 16: Regulatory aspects in research CONSORT, AYUSORT, ICH-GCP, Trial Registration, Role of FDA	L	Dr.Vijay Ukhalkar
8	15:45-16:45	L 17: Proposal writing for funding agencies Protocol writing	L	Dr.Vijay Ukhalkar
9	16:45-17:00	Feedback forms		

Day Six: 14/10/2023

S. No.	Time	Topic	Method	Facilitators/ Faculty
1	09:30 -10:00	Tea and breakfast		
2	10:00-10:30	Recapitulation by participants GA 14: Participant's presentations Group 6: Implementation of research- Gantt charting, operational definitions/criteria/classifications, pilot study, dummy tables, monitoring etc.	GA	Dr.D.N.Tayade
3	10:30-11:30	L 18: Writing dissertation: Data Reporting Writing for Publication	L	Dr.D.N.Tayade
4	11:30-12:30	GA 15: Critical evaluation of journal article Each group will discuss the article allotted/selected & present. The articles should represent all study designs.	GA	Dr.D.N.Tayade
5	12:30-13:30	L 19: Qualitative research methods Question answer session	L	Dr.D.N.Tayade
6	13:30-14:00	Lunch		
7	14:00-14:45	L 20 : Meta-Analysis Demonstration and Group Activity	L	Dr.D.N.Tayade
8	14:45-15:30	Post Test		
9	15:30-16:30	Project Presentations By Participants		
10	16:30-17:00	Valedictory session		

Dr. D. N. Tayade
Principal



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NCISM College Code : AYU0153
MUHS College Code : 3401

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छत्रपती शाहू महाराज शिक्षण संस्था संचलित

आयुर्वेद महाविद्यालय व रुग्णालय

CHHATRAPATI SHAHU MAHARAJ SHIKSHAN SANSTHA'S

AYURVED MAHAVIDYALAYA & RUGNALAYA

(Recognized by National Commission for Indian System of Medicine, Ministry of AYUSH, Govt. of India, New Delhi & Affiliated to Maharashtra University of Health Sciences, Nashik.)



AMCS/1893/2023

Date: 12/09/2023.

To,
The Head,
University Research Department,
Maharashtra University of Health Sciences,
Dindori Road, Mhasrul, Nashik.

Subject:- Coordinator details, To organize **Offline "Advanced Research Methodology Workshop"** at Chhatrapati Shahu Maharaj Shikshan Sanstha's Ayurved Mahavidyalaya and Rugnalaya, Kanchanwadi, Chhatrapati Sambhajnagar.

Respected Sir,

With reference to above subject, we herewith submitting the details of Co-ordinator for the **"Advanced Research Methodology Workshop"** at Chhatrapati Shahu Maharaj Shikshan Sanstha's Ayurved Mahavidyalaya and Rugnalaya, Kanchanwadi, Chhatrapati Sambhajnagar.

Organising Department	1. Kayachikitsa 2. Stree Rog and Prasuti Tantra
Name of coordinator	Dr. Nimbalkar Naresh Ramrao
Designation	Associate Professor
Contact details	Mo. No.- 9422711098, 8793089995 Email ID:- ayushakti009@gmail.com
Address	Chhatrapati Shahu Maharaj Shikshan Sanstha's Ayurved Mahavidyalaya and Rugnalaya, Kanchanwadi, Chhatrapati Sambhajnagar PIN-431011.

Thanking you,

Yours faithfully



Naresh Ramrao

Principal

Chhatrapati Shahu Maharaj Shikshan Sanstha's
Ayurved Mahavidyalaya & Rugnalaya
Kanchanwadi, Chhatrapati Sambhajnagar.



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AMCS/ 2249 / 2023

Date: 18/10/2023

To,
The Head of the Department,
Department of URD,
Maharashtra University of Health Sciences,
NASHIK.

Sub:- Report of Advanced workshop in Research Methodology conducted at
C.S.M.S.S. Ayurved Mahavidyalaya, Kanchanwadi, Paithan Road,
Chhatrapati Sambhajnagar.(09/10/2023 to 14/10/2023)

Ref:- Permission given by URD Cell, MUHS, Nashik,
Ref. letter no **MUHS/URD/117/2023** dated 14/09/2023.

Respected Sir / Madam,

According to your permission, **Advanced Workshop in Research Methodology A(RMW)** for Ph.D. scholars and Ph.D. Guide was organized at C.S.M.S.S. Ayurved Mahavidyalaya, Kanchanwadi, Paithan Road, Chhatrapati Sambhajnagar from 09/10/2023 to 14/10/2023

Fifty (51) delegates were participated in the workshop. The instructions mentioned in your permission letter were followed throughout the sessions. Sitting arrangement of participants, audio visual equipment's, essential stationary was adequate. Attendance sheets of delegates with their names and attendance sheet of resource person with their signature is enclosed here with report.

The formal inaugural function was held on 9th October 2023 in the presence of Dr. S.G. Deshmukh Principal, Dr. J.S. Deshmukh, Vice Principal, Academic In-charge & Dr. N. R. Nimbalkar Coordinator of ARMW.

Dr. Rajesh Kolarkar, Dr Deepmala Deore, Dr. S.P. Andurkar, Dr Geetanjali Karle, Dr. Mukund Sabnis, Dr. Sheetal Chavan, Dr. Purushottam Giri, Dr. Maya Mhaske, Dr. D. N. Tayade, Dr. Siraz Baig and Dr. Anjali Upadhye were invited as resource person. (Total 11 faculties were invited as a resource person.

Total 20 lectures 15 Group activities & 6 Lecture Demonstrations were carried out during the workshop. Lectures on Introduction to research methodology, Framing Research question, Hypothesis, Descriptive study designs, Case control studies, Cohort studies, Clinical trial, Patent, Types of variables(data), scales of measurement, Descriptive statistics (concept of central tendency & dispersion, normal curve, skewed distribution), : Role of chance , bias , confounding & interaction, Sample size determination (demo of use

Contd...02

Address : Kanchanwadi, Paithan Road, Chhatrapati Sambhajnagar- 431 011. (M.S.) कांचनवाडी, पैठण रोड, छत्रपती संभाजीनगर - 431 011 (एम.एस.)

Tel.: (0240) 2379248, 2646464, 2379035 Fax : (0240) 2646222.

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Page No. 02

of computers), Methods of data collection Questionnaire designing, Literature Search, Referencing Management, Evaluation of a diagnostic test (ROC curve & it's interpretation), Exercise to calculate sensitivity, specificity', Demonstration of Epi Info and Open EPI – the WHO soft care, Ethics in health sciences research (ICH-GCP, Indian GCP, ICMR guidelines), Proposal writing for funding agencies Protocol writing, : inferential statistics & statistical fallacies: - Parametric, non-parametric which test to use, when & why (a case of ANOVA, also post hoc tests), Use of computers in inferential statistics, Regulatory aspects in research CONSORT, AYUSORT, ICH-GCP, Trial Registration, Role of FDA, Writing dissertation: Data Reporting Writing for Publication, Qualitative research methods Question answer session, Meta-Analysis Demonstration and Group Activity were specially appreciated by the delegates.

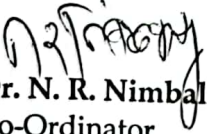
Pre & Post tests were taken on the first & last day respectively by using Google form. Daily attendance was taken in the morning & evening sessions. Daily evaluation & Programme Feedback forms were duly filled and submitted by the participants. Online payment of Rs. 51000 was done through NEFT, Receipt No. SBIN423284827713 dated 11/10/2023.

At the end of 6th day i.e. on 14th October 2023, Valedictory function was carried out. Participants actively gave their feedback & opinion regarding the workshop.


All participants acknowledged that this workshop had enhanced their knowledge regarding research methodology. Overall impact of this workshop was good and was thought provoking for all participants.

Please issue Fifty (51) Certificates to the Participants as per Attendance.

Thanking you.


Dr. N. R. Nimbalkar
Co-Ordinator




Dr. S. S. Deshmukh
Chhatrapati Shahu Maharaj Shikshan Sanstha's
Ayurved Mahavidyalaya & Rugnalaya,
Kanchanwadi, Chhatrapati Sambhajinagar.

Enclosed:

1. List of Participants with Daily attendance.
2. Attendance of Faculties.
3. Xerox copy online payment receipt.
4. Pre & Post Test Result.
5. Geotagged Photographs sheet.

Address : Kanchanwadi, Paithan Road, Chhatrapati Sambhajinagar- 431 011. (M.S.) कांचनवाडी, पैठण रोड, छत्रपती संभाजीनगर - ४३१ ०११ (एम.एस.)

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GPS Map Camera



Aurangabad, Maharashtra, India

01, Paithan Rd, nr. CSMSS COLLEGE, Kanchanwadi, Aurangabad, Maharashtra 431136, India

Lat 19.832612°

Long 75.288739°

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