

Ph.D Course Work on Research Methodology

Duration : 6.9.2022-29.9.2022



Mahatma Gandhi Vidyamandir's
M S G Arts, Science and Commerce College Malegaon Camp Dist. Nashik
423105 (Maharashtra)
(Reaccredited by NAAC with Grade B (CGPA- 2.87))

Ph. D Course Work on Research Methodology

For Post Graduate Ph. D Research Student of Registered under Faculty of Humanities, Commerce and Management and Science & Technology (Marathi, Hindi, Psychology, Commerce, Chemistry, Physics, Zoology, Geography & Botany)

Starting from 6.9.2022

Objectives of Course Work

- To Develop research culture and interest among scholars and young faculty to pursue careers and under take the high-quality research in trans-disciplinary areas that augment and expand their research capacity.
- To Introduce the participant to the research process through identifying an appropriate study questions, designing a study, selecting the appropriate method for collecting data, analysing the data, and reporting or publishing the findings.
- To Strengthen research culture, build capacity, promote innovation and support trans-disciplinary research relevant to National development and to enhance the overall well-being of society.
- To Sensitize the stakeholders about the issues of Societal, National, Regional and Global importance across disciplines through exchange of ideas.

Rules and Regulations

- The Ph. D course work is mandatory for all the candidates who are registered for Ph. D. programme (University Grants Commission's, Minimum Standards and Procedure for Award of M.Phil./Ph. D Degrees) Regulations, 2016 and Savitribai Phule Pune University, Pune circular PGS/144 Dated 09th January 2017).
- After each session, participants will have to submit the online feedback form (Mandatory as per SPPU, Pune rule) Starting from 6th September 2022
- Only on the successful completion of the Ph. D course work and on producing the certificate by Head, Place of Research, the candidate will be allowed to submit his/her thesis to the Savitribai Phule Pune University, Pune.

Who can enrol in this Course Work
Student admitted for Ph. D / M.Phil. Degree, Faculty members of any Stream.

Registration Fee
As per SPPU, Pune Guideline

Last Date of Registration
2nd September, 2022

Email for Contact
courseworkmsg22@gmail.com

Registration Link:
<https://forms.gle/neNEDoPxTDP4M9Dv5>

After registration of this course, join
What's App group for further instructions and details

For More Details:

Requirements
Laptop with good internet facility and Head phone or microphone.

For any query call us on 09373658019
or courseworkmsg22@gmail.com

Dr. A. S. Garde
Coordinator
(09373658019)

Dr. N. B. Shirsath
Co-coordinator
(07796414756)

Dr. C M Nikam
Vice Principal

Dr. D F Shirude
Principal

www.msgcollege@rediffmail.com



Mahatma Gandhi Vidyamandir's
M S G Arts, Science and Commerce College Malegaon Camp Dist. Nashik
423105 (Maharashtra)
(Reaccredited by NAAC with Grade B (CGPA- 2.87))

Ph. D Course Work on Research Methodology

For Post Graduate Ph. D Research Student of Registered under Faculty of Humanities, Commerce and Management and Science & Technology (Marathi, Hindi, Psychology, Commerce, Chemistry, Physics, Zoology, Geography & Botany)

Starting from 6.9.2022

Objectives of Course Work

- To Develop research culture and interest among scholars and young faculty to pursue careers and under take the high-quality research in trans-disciplinary areas that augment and expand their research capacity.
- To Introduce the participant to the research process through identifying an appropriate study questions, designing a study, selecting the appropriate method for collecting data, analysing the data, and reporting or publishing the findings.
- To Strengthen research culture, build capacity, promote innovation and support trans-disciplinary research relevant to National development and to enhance the overall well-being of society.
- To Sensitize the stakeholders about the issues of Societal, National, Regional and Global importance across disciplines through exchange of ideas.

Rules and Regulations

- The Ph.D. course work is mandatory for all the candidates who are registered for Ph. D. programme (University Grants Commission's, Minimum Standards and Procedure for Award of M.Phil./Ph. D Degrees) Regulations, 2016 and Savitribai Phule Pune University, Pune circular PGS/144 Dated 09th January 2017).
- After each session, participants will have to submit the online feedback form (Mandatory as per SPPU, Pune rule) Starting from 6th September 2022
- Only on the successful completion of the Ph. D course work and on producing the certificate by Head, Place of Research, the candidate will be allowed to submit his/her thesis to the Savitribai Phule Pune University, Pune.

Who can enrol in this Course Work

Student admitted for Ph. D / M.Phil. Degree, Faculty members of any Stream.

Registration Fee

As per SPPU, Pune Guideline

Last Date of Registration

2nd September, 2022

Email for Contact

courseworkmsg22@gmail.com

Registration Link:

<https://forms.gle/neNEDoPxTDP4M9Dv5>

After registration of this course, join
What's App group for further instructions and details

For More Details:

https://drive.google.com/file/d/1-7tfu0r_kIVS4T0y07WH2FsqkItWcP-m/view?usp=sharing

Requirements

Laptop with good internet facility and Head phone or microphone.

For any query call us on 09373658019 or courseworkmsg22@gmail.com

Assarde
Dr. A. S. Garde
Coordinator
(09373658019)

Shirsath
Dr. N. B. Shirsath
Co-coordinator
(0779641475)

Nikam
Dr. C M Nikam
Vice Principal

Shirude
Dr. D F Shirude
PRINCIPAL
M.S.G. Arts, Science & Commerce
College, Malegaon Camp (Nashik)

www.msgcollege@rediffmail.com



Mahatma Gandhi Vidyamandir's
M. S. G. Arts, Science and Commerce College Malegaon camp Dist. Nashik
Ph. D. Course Work In Physics
Course II and III
List of Participants
Subject: Physics

Sr. No	Name of the Students	Name of the Guide	Remarks
1.	Mr. Chetan Ramdas Yewale	Dr. A. V. Patil	
2.	Mr. Satish Suresh Mandawade	Dr. A. V. Patil	
3.	Mr. Jitendra Ashok Borse	Dr. A. S. Garde	
4.	Mr. Rajendra Vasant Wagh	Dr. A. V. Patil	
5.	Mr. Yogesh Bhaskar Aher	Dr. G. E. Patil	
6.	Mr. Nikhil Bhikaji Umbarkar	Dr. A. S. Garde	
7.	Mr. Siddhesh Dnyaneshwar Chavan	Dr. G. J. Mogal	
8.	Miss. Huda Imran Ahemad	Dr. G. E. Patil	
9.	Miss. Sana Kausar Ashfaque Ahmad	Dr. A. V. Patil	
10.	Mr. Abhinay Subhash Mandawade	Dr. M. S. Shinde	
11.	Mr. Momin Shoaib Malik Ansari Zafar Aabid	Dr. G H. Jain	
12.	Mr. Rushikesh Gorakh Bhamare	Dr. J. M. Shewale	
13.	Mrs. Yogeshwari Jagadishprasad Bhadane	Dr. A. S. Garde	
14.	Mr. Manoj Annasaheb More	Dr. G. E. Patil	
15.	Mr. Pratik Vitthal Darade	Dr. J. M. Shewale	
16.	Mr. Hitesh Dagadu Sonawane	Dr. R. N. Shelar	



Asst. Prof.
(Dr A S Garde)
Head
Department of physics



Mahatma Gandhi Vidyamandir's
M S G Arts, Science and Commerce College Malegaon Camp Dist. Nashik
423105 (Maharashtra)
(Reaccredited by NAAC with Grade B (CGPA- 2.87))

Affiliated to Savitribai Phule Pune University

Ph. D Course Work on Research Methodology

Syllabus: Course-I Research Methodology (4 Credits)

Objective

- ❖ To enable to participants to understand and work methods and concepts related Research.
- ❖ To enable the participants to develop research proposal and to work with research problem.
- ❖ To develop broad comprehension of research area.

1. Introduction

Meaning and Concept of Research Methodology, Nature steps types and characteristics of research. Scientific Inquiry Philosophical and Sociological foundations of research Interdisciplinary approach and its implications in various Research area.

2. Research Design and Plan

Meaning and Concept, Qualitative and quantitative methods of research like Historical, case study, ethnography, expost facto, documentary and content analysis, survey (Normative, descriptive, evaluative etc.) field and Laboratory experimental studies. Characteristics of methods and their implications in Research area.

3. Development of Research Proposal

Research proposal and its elements, Formulation of research problem-criteria of sources and definition Development of objectives and characteristics of objectives. Development hypotheses and applications. Utilization of Information and Technology, Development of Research Proposal & Research Work.

4. Methods of Data Collection

Concept of sampling and other concepts related to sampling. Probability and non-probability samples, their characteristics and implications. Tools of data collections,



their types, attributes and uses. Redesigning, research tools-like questionnaire, opinionnaire, observation, interviews, scales and tests etc.



5. Methods of Data Analysis

Analysis of qualitative data based on various tools. Analysis of quantitative data and its presentation with tables, graphs etc. Statistical tools and techniques of data analysis-measures of central tendency, dispersion. Decision making with hypothesis testing through parametric and non-parametric tests. Validity and delimitations of research findings.

6. Intellectual Property Right

Introduction, Concept, Meaning, Importance and Need of IPR

7. Research Report Writing and its Evaluations

Principles of report writing and guidelines according to style manuals. Writing and presentation of preliminary, main body and reference section of report. Evaluation of research report.

References

1. C R Kothari, Quantitative Technique, New Delhi, Vikas Publication House.
2. N C Gautam, Development of Research tools, New Delhi, Shree Publishers.
3. Gupta and Santosh, Research Methodology and Statistical Techniques, Deep and Deep Publications.
4. S R Bajpai, Methods of Social Survey and Research, Kanpur.
5. Sadhu and Singh, Research Methodology in Social Science
6. Hans Raj, Theory and Practice in Social Research, Surjeet Publication, Kolhapur.
7. A Chandera and T P Sexena, Style Manual, New Delhi, Metropolitan Book Comp. Ltd.
8. D K Bhattacharya, Research Methodology, New Delhi, Excel Books.
9. Brymann, Alan and D Carmer, Qualitative data analysis for social scientist, New York, Routledge Publication.
10. J W Best and J V Khan, Research in Education New Delhi, Prentice Hall India.



Mahatma Gandhi Vidyamandir's
M S G Arts, Science and Commerce College Malegaon Camp Dist. Nashik
423105 (Maharashtra)
(Reaccredited by NAAC with Grade B (CGPA- 2.87))



Ph. D Course Work on Research Methodology

Subject: Course-I Research Methodology (4 Credits)

Duration: 6.9.2022 to 16.9.2022

Date	Session I 9.30am -11.00am	Session II 11.10 am 12.40pm	Session III 1.20 pm - 2.50pm	Session IV 3.00pm - 5.00pm
6/9/2022	Prof. M D Shirsath (BAMU) Need of Ph. D Research Course Work	Prof M D Shirsath (BAMU) Drafting of Pre Ph. D Synopsis	Prof M D Shirsath (BAMU) Drafting of Pre Ph. D Synopsis	Prof. R L Shinde (KBCNMU) Research Foundation
7/9/2022	Prof. R L Shinde (KBCNMU) Types of Methods of Research	Prof. R L Shinde (KBCNMU) Sampling Methods	Prof. R L Shinde (KBCNMU) Methods of Data Collection	Dr. N R Mali Development of E-Content Using Open Source Software
8/9/2022	Dr. R V Tribhuvan Research Topic Formation	Dr. S A Patil Research Design and its Type	Dr. N R Mali E Content : Creation of Blog for Scientific Lecture	Dr. N B Shirsath Visit to Central Library
10/9/2022	Dr. Shubhada Nagarkar (SPPU) Publication Ethics	Dr. S A Patil Preparation of Questionnaire	Dr. S A Patil Types of Questionnaire, Open, Closed end and Likert Scale Questions	Dr. A S Garde Paper Review
11/9/2022	Book Review Dr. P T Wankhede Department of English	Prof. S I Ansari Measure of Centre Tendency, Dispersion & Concept of Hypothesis.	Book Review Dr. P T Wankhede Department of English	Dr. S A Patil Hypothesis for Research Writing
12/9/2022	Dr. N V Deshmukh Use of Computer in Statistical Analysis (Part I)	Dr. P B Bharate (KBCNMU) Basic Statistics and Probability Distribution	Dr. P B Bharate (KBCNMU) Correlation and Regression	Dr. D G Jadhav Preparation of Research Proposals for Financial Assistance
13/9/2022	Prin. Dr. Dilip Dhondge Research and Criticism	Prof. P R Puranik (KBCNMU) School of Life Sciences Research Report and Thesis Writing	Prof. P R Puranik (KBCNMU) School of Life Sciences Research Report and Thesis Evaluation	Visit to MB Sugar Pvt limited & Research Centers
14/9/2022	Dr. Arif Anjum Bibliography and Citation Tools	Dr. N V Deshmukh Use of Computer in Statistical Analysis (Part II)	Prof. S I Ansari Hypothesis Testing	Dr. P S Patil Paper Review
15/9/2022	Mr. N V Nagare Useful Resources for Research	Dr. S A Patil Scope of Study of Research and Research Limitation	Dr. Suhas Kulkarni Introduction to Intellectual Property Right	Dr. Suhas Kulkarni IPR for Scientist and Engineer
16/9/2022	Examination offline	Examination offline	Visit to Research Centers	Overview of RM Programme

A S Garde
(Dr A S Garde)
Co-ordinator



D F Shirude
(Dr. D. F. Shirude)
PRINCIPAL
M.S.G. Arts, Science & Commerce
College, Malegaon Camp (Nashik)



Mahatma Gandhi Vidyamandir's
M S G Arts, Science and Commerce College Malegaon Camp Dist. Nashik
423105 (Maharashtra)
(Reaccredited by NAAC with Grade B (CGPA- 2.87))

Ph.D. Course Work on Research Methodology
(Course I, II & III)

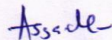
Starting from 6.9.2022

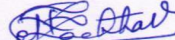
QUESTION PAPER PATTERN:


The Candidates shall be assessed in Paper I (Course I) on the basis of Marks obtained by them in the question paper for which the examinations shall be conducted by the College Examination Cell. The Candidates shall have to Combine score minimum 50% of the maximum marks to pass a paper. The Paper pattern and other details are mentioned below:

Subject Code	Subject Name	Methods of Examination	Type	Max. Marks	Time Limit
RM-1	Research Methodology	Offline	MCQ and Descriptive	80	3 Hrs
RM-1	Research Methodology	Offline & online	Internal /Assignment	20	As per Schedule

Note: The Candidates shall be assessed assignment /Internal examination on the basis of Marks obtained by them during the course for which the examination shall be conducted by the College Examination Cell.


(Dr. A S Garde)
Programme Coordinator


(Prof. N B Bachhav)
College Examination Officer


(Dr. D F Shirude)
PRINCIPAL
M.S.G. Arts, Science & Commerce
College, Malegaon Camp (Nashik)



Mahatma Gandhi Vidyamandir's

M S G Arts, Science and Commerce College Malegaon camp Dist. Nashik

Course: 2 & 3

Date: 19.9.2022

Inauguration by: Prof. (Dr) Rajanish K Kamat, Vice-Chancellor, Dr. Homi Bhabha State University Mumbai

Chair Person: Dr V S More, Joint Secretary, Mahatma Gandhi Vidyamandir Nashik.

Chief Guest: Principal Dr. D. F. Shirude

Coordinator: Dr. A. S. Garde

Date	Time	Subject	Resource Person
19.09.2022	10.00-11.30 pm	Key note on Enhancing Research Productivity through ICT	Prof.(Dr.) Rajanish K Kamat
	11.30- 1.00 pm	National Educational Policy-2020	Prof.(Dr.) Rajanish K Kamat
	1.30 -3.00 pm	Trace elements in Soil & Their determination and speciation.	Dr. P S More, Government Institute of Science Mumbai
	3.00- 5.00 pm	Multifunctional π Conjugated Polymer Nanoparticles Composed of Formazan for Bio-Medical imaging and energy Generation applications.	Dr. V W Banewar, Government Institute of Science Mumbai
20.09.2022	10.00-11.30 am	Microscopy: SEM,TEM & STM	Prof. M A More, SPPU Pune
	11.30- 1.00 pm	Microscopy: SEM,TEM & STM	Prof. M A More, SPPU Pune
	1.30- 3.30 pm	DNA Sequencing and its Techniques	Prof. G D Khedkar, BAMU Aurangabad
	3.30- 5.00 pm	Experimental Techniques for synthesis	Dr. Prashant Koli Assistant Professor in Chemistry
21.09.2022	10.00-11.30 am	Analysis of thin film Prepared Using PVD Techniques	Dr. Vishal Goswami, University of Mumbai
	11.30-1.00 pm	Analysis of thin film Prepared Using PVD Techniques	Dr. Vishal Goswami, University of Mumbai
	1.30- 3.00 pm	Advantages of Renewable Energy Sources	Dr. Arun S Garde, M S G College Malegaon
	3.00-5.00 pm	Lab Work	Dr. A. S. Garde, M S G College
22.09.2022	10.00-11.30 am	Introduction to Quantum Mechanics , Its Formulation, Scope and Applications.	Prof. Dr. Yogesh Sonwane Associate Professor in Applied Physics, Zeal College Of Engineering Pune.
	11.30-1.00 pm	Introduction to Quantum Mechanics , Its Formulation, Scope and Applications.	Prof. Dr. Yogesh Sonwane Associate Professor in Applied Physics, Zeal College Of Engineering Pune.
	1.30- 3.00 pm	Nuclear Physics	Dr. A S Garde M S G College
	3.00- 5.00 pm	Lab Work	Dr. A. S. Garde M S G College
23.09.2022	10.00-11.30 am	Electrodynamics	Dr. S R Jigajeni, Govt. Vidharbha Institute of Science and Humanities Amravati
	11.40-1.10 pm	Atoms, Molecules and solids	Dr. R B Bhise, A S C College Alephata Dist. Pune
	1.40- 3.10 pm	Nuclear Physics	Dr A S Garde M S G College
	3.10- 5.00 PM	Seminar	Dr. A S Garde & Dr. R S Nirwan
24.09.2022	10.00-11.30 am	Statistical Mechanics	Dr. Sunil R Patil



			Government Institute of Science Nagpur
	12.00-1.30 pm	Atoms, Molecules and solids	Dr. R B Bhise, A S C College Alephata Pune
	2.00- 3.30 pm	Seminar	Dr. A S Garde & Dr. R S Nirwan
	3.30- 5.00 pm	Seminar	Dr. A S Garde & Dr. R S Nirwan
26.09.2022	10.00-11.30 am	Quantum Mechanics, Perturbation Theory	Prof. Dr. Yogesh Sonwane Associate Professor in Applied Physics, Zeal College Of Engineering Pune
	11.30- 1.00 pm	Advanced Experiment Tech XRD	Dr. M K Deore, KTHM College Nashik
	1.40 -3.10 pm	Seminar	Dr. A S Garde & Dr. R S Nirwan
	3.10- 5.00 pm	Seminar	Dr. A S Garde & Dr. R S Nirwan
27.09.2022	10.00-11.30 am	Atoms, Molecules and Solids	Dr. Ramesh B Bhise, A S C College Alephata Pune
	11.30-1.00 pm	Deposition Techniques	Dr. M K Deore, KTHM College Nashik
	1.30 -3.00 pm	Synthesis & Characterization techniques of Nanoparticles	Dr. A S Garde , Department of Physics, M S G College Malegaon
	3.00- 5.00 pm	Seminar	Dr. A S Garde & Dr. R S Nirwan
28.09.2022	9.30- 12.30 pm	Examination Physics I	Prof. N B Bachhav, CEO
	1.00- 2.30 pm	Atoms, Molecules and solids	Dr. Ramesh B Bhise, Pune
	2.30- 5.00 pm	Seminar	Dr A S Garde & Dr R S Nirwan
29.09.2022	9.30- 12.30 pm	Examination Physics II	Prof. N B Bachhav , CEO
	1.00- 2.30 pm	Lab Work	Dr. A S Garde
	2.30 -4.00 pm	Seminar	Dr. A S Garde & Dr R S Nirwan
	4.00- 5.00 pm	Overview of Course Work	Dr. Nitin Upasnee, President of Board of Education Mumbai. Prin. Dr. D F Shirude

ASgarde

(Dr. A S Garde)
Course Coordinator

ASgarde

(Dr. A S Garde)

HEAD
Dept. of Physics
* S.G. College, Malegaon Camp

CMN

(Dr. C M Nikam)
Vice Principal

DFShirude

(Dr. D F Shirude)
PRINCIPAL

M.S.G. Arts, Science & Commerce
College, Malegaon Camp (Nashik)



Mahatma Gandhi Vidyamandir's
M S G Arts, Science and Commerce College Malegaon Camp Dist. Nashik
423105 (Maharashtra)
(Reaccredited by NAAC with Grade B (CGPA- 2.87))

**Ph.D. Course Work on Research Methodology
(Course I, II & III)**

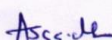
Starting from 6.9.2022

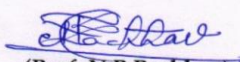
QUESTION PAPER PATTERN:


The Candidates shall be assessed in Subject Paper I & II (Course III) on the basis of Marks obtained by them in the question paper for which the examinations shall be conducted by the College Examination Cell. The Candidates shall have to Combine score minimum 50% of the maximum marks to pass a paper. The Paper pattern and other details are mentioned below:

Subject Code	Subject Name	Methods of Examination	Type	Max. Marks	Time Limit
Subject-1	Marathi, Hindi, Commerce Chemistry, Physics, Botany Zoology, Geography.	Offline	MCQ and Descriptive	80	3 Hrs
Subject-1	Marathi, Hindi, Commerce Chemistry, Physics, Botany Zoology, Geography.	Offline	Internal /Assignment	20	As per Schedule
Subject-2	Marathi, Hindi, Commerce Chemistry, Physics, Botany Zoology, Geography.	Offline	MCQ and Descriptive	80	3 Hrs
Subject-2	Marathi, Hindi, Commerce Chemistry, Physics, Botany Zoology, Geography	Offline	Internal /Assignment	20	As per Schedule

Note: The Candidates shall be assessed assignment /Internal examination on the basis of Marks obtained by them during the course for which the examination shall be conducted by the College Examination Cell.


(Dr. A S Garde)
Programme Coordinator


(Prof. N B Bachhav)
College Examination Officer


(Dr. D F Shirude)
PRINCIPAL
M.S.G. Arts, Science & Commerce
College, Malegaon Camp (Nashik)



Mahatma Gandhi Vidyamandir's

M. S. G. Arts, Science and Commerce College Malegaon Camp Dist. Nashik 423105.

(Affiliated to Savitribai Phule Pune University)

Ph. D Course Work on Research Methodology

Date 6.9.2022 to 29.9.2022

Programme Report

About the Ph. D Course Work: To Develop research culture and interest among scholars and young faculty to pursue careers and under take the high-quality research in trans-disciplinary areas that augment and expand their research capacity. To Introduce the participant to the research process through identifying an appropriate study questions, designing a study, selecting the appropriate method for collecting data, analysing the data, and reporting or publishing the findings. To Strengthen research culture, build capacity, promote innovation and support trans-disciplinary research relevant to National development and to enhance the overall well-being of society. To Sensitize the stakeholders about the issues of Societal, National, Regional and Global importance across disciplines through exchange of ideas. To enhance the knowledge of the Research Scholars on the most versatile topic of respective subject, To motivate the Research Scholars towards innovative and proper methodology of research in Humanities, Commerce & Management and Science & Technology and to develop basic research background and concept to the participants. In this Programme, Post Graduate Ph. D Research Student was enrolled those are Registered under Faculty of Humanities, Commerce and Management and Science & Technology was participating. In this course work have been invite the delegates and Resource Persons for the delivering lectures on Ph. D course work on Research Methodology. Ph. D Course Work on Research Methodology is organized by M.G Vidyamandir's M.S.G Arts, Science and Commerce College Malegaon camp (Nashik) under the Guidance of Savitribai Phule Pune University, Pune.

Inauguration of Ph. D Course Work on research Methodology

The Ph. D Course Work on Research Methodology was declared open by Hon'ble **Vice Chancellor Dr. Rajanish K. Kamat**, Dr. Homi Bhabha State University, Mumbai, Maharashtra and Hon'ble Prof. M D Shirsath, Ex. Registrar, Dr. B R Ambedkar Marathwada University Aurangabad. Dr. Kamat addressed the Participants regarding advantages of Research Methodology and Enhancing Research Productivity

through ICT for the Research. Also delivered his speech on better effect of National Educational Policy (NEP-2020) in educational system. Principal Dr. D F Shirude Presided the progress of Institution since 1952 and over this Programme. At that time, Joint Secretary M G Vidyamandir's Nashik Dr. V S More, Principal Dr. S N Nikam, Programme coordinator Dr. A S Garde, Dr. N B Shirsath, Research Guides of respective subjects and other dignitaries were present.

As per the schedule of Ph. D Course work on Research Methodology, the lectures of concerned topic were delivered to Participants by the invited Resource Person. The 16 Credits Ph. D Course work on Research Methodology Programme was divided in to research Methodology (4 Credits), Preparation of Research Proposal for financial assistance, Reviews and Seminar- 4 Credits, Subject Specific Advanced Level Course- 4 Credits, Fundamentals and Innovation of Subject (Advanced Experimental Techniques/ Field Visits, Survey -4 Credits).

Research Methodology (4 Credits)

As per the objective of Research Methodology is to enable to participants to understand and work methods and concepts related Research. To enable the participants to develop research proposal and to work with research problem. To develop broad comprehension of research area. The objective of Research Methodology is to enable to participants to understand and work methods and concepts related Research. To enable the participants to develop research proposal and to work with research problem. To develop broad comprehension of research area. As per the objectives of the Programme, invited resource person has delivered lecture on respective topic such as Dr. M D Shirsath (BAMU) Need of Ph. D Research Course Work, Drafting of Pre Ph. D Synopsis, Prof. R L Shinde, (KBCNMU) Research Foundation & Sampling Methods, Dr. N R Mali, Development of E-Content Using Open Source Software, Dr. S A Patil, Research Topic Formation, Research Design, Preparation of Questionnaire, Hypothesis for Research Writing, Prof. S I Ansari, Measure of Centre Tendency, Dispersion & Concept of Hypothesis & Hypothesis Testing, Dr. N V Deshmukh, Use of Computer in Statistical Analysis, Dr. P B Bharate (KBCNMU) Basic Statistics and Probability Distribution Prof. P R Puranik (KBCNMU), Research Report and Thesis Writing & Thesis Evaluation, Mr. N V Nagare, Useful Resources for Research, Dr. Suhas Kulkarni (Mumbai), Introduction to Intellectual Property Right, Dr. Arif Anjum, Bibliography and Citation Tools, Dr. D.G Jadhav, Preparation of Research Proposals for Financial Assistance, Paper & Book review. As per the Schedule, the examination cell was successfully conducted examination of Participants on Research methodology.

Fundamentals and Innovation of Subject, Proposals, Reviews & Seminar (12 Credits)

As per the schedule of Preparation of Research Proposal for financial assistance, Reviews and Seminar (4 Credits), Subject Specific Advanced Level Course (4 Credits), Fundamentals and Innovation of Subject (Advanced Experimental Techniques/ Field Visits, Survey (4 Credits) of the Programme, all concerned research centers in the institution have been developed Programme for the Participated Research Scholar

with respective subject, invited resource person were delivered lecture on respective topic with subjects. As per the Schedule, the examination cell was successfully conducted examination of Participants on Subject Specific Advanced Level and Fundamentals and Innovation of Subject.

The Ph. D Course Work on Research Methodology concluded in the presence of **Dr. Nitin Upasani** Deputy Director of Higher Education Maharashtra.



(Dr. A S Garde)
Programme Coordinator



(Dr. D F Shirude)
PRINCIPAL
M.S.G. Arts, Science & Commerce
College, Malegaon Camp (Nashik)





MAHATMA GANDHI VIDYAMANDIR'S
M.S.G. Arts, Science and Commerce College
Malegaon Camp. Dist. Nashik

Feedback form- Ph.D Course work on Research Methodology

- Name of participant (FIRST NAME-MIDDLE NAME-SURNAME):
Mr. Satish Suresh Mandawade
- Email ID: satish.mandawade86@gmail.com
- Name of Affiliation:
Savitribai Phule Pune University
- Contact No. (What's up No.)
9028667273
- Date: 05/09/2022 Session No.: 01
- Name of the Topic:
Drafting and working on Pre PhD Synopsis

a) Content of lecture?

- 1) Tougher than expected 2) Easier than expected 3) As expected

b) Tutorial and content helped to answer/solve assignment?

- Yes 2) No

c) Tutorial and content helped to answer/solve assignment?

- Yes 2) No

d) Question on forum being answered?

- Yes 2) No

e) Session is helpful for your research work?

- Yes 2) No 3) May be

f) Any other suggestions

No -

Name: Mr. Satish Suresh Mandawade

Signature: [Signature]

Evidences of Ph. D Course Work Programme







