

Mahatma Gandhi Vidyamandir's
L. V. H. Arts, Science and Commerce College, Panchavati, Nashik
DEPARTMENT OF ELECTRONIC SCIENCE
Academic Year-2019-20

Report on Workshop on Research Methodology

ACTIVITY DETAILS:	
Aim:	Workshop on Research Methodology For Ph. D Student
Date of the event:	04/01/2019 to 13/01/2019
Participants:	Prof. Dr. U. P. Shinde, Mr. A. B. Patil, Mr. U. J. Tupe, Mr. R. D. Kulkarni, Miss. K. S. Nikam, Miss.. M. E. Niphade and Students.
Objectives:	<ol style="list-style-type: none"> 1. To enable the participants, define research problem, developing an approach to research problem and selection of suitable research design. 2. To impart capabilities for formulation and testing of hypothesis based on the nature of research. 3. To comprehend appropriateness of statistical software packages for analysing research data. 4. To enable the participants to understand report writing and writing research proposals.
Outcomes:	<ol style="list-style-type: none"> 1. Research methodology provides students with the necessary knowledge to undertake better research and conceivably. 2. Through research methods courses students learned the various aspects of the research process, framing useful research questions, research design, data collection, analysis, writing and presentation. 3. The Participant learned use for statistical software packages for analyzing research data. 4. The participants learned report writing, research paper and writing research proposals.
Report	<p>Hon. Dr. V. S. More, Joint Secretary, MGV Nashik, Principal Dr. C. G. Dighavkar, Coordinator Dr. U. P. Shinde and other respected personalities were present at the time of Inaugural function of Ph.D. Course Work Programme on 4th Jan. 2020. Dr. U. P. Shinde, Coordinator of Ph. D. Course Work gave the brief introduction of resource persons Prof. Dr. A. D. Shaligram and Prof. Dr. D. C. Gharpure, Head, Department of Electronic Science, SSPU, Pune</p> <p>During inaugural function of Ph.D. course work, Prof. Dr. A. D. Shaligram explained the importance of research methodology workshop and good effort to enrich the subject knowledge in the subject of research methodology of the research scholars. This course for Ph.D. students in electronic science is expected to cover the basics of research methodology focusing on theoretical and practical inputs. Specifically the formulation of research problem, formulation of research hypothesis and testing of hypothesis, conducting literature review, data collection methods, selection of appropriate parametric or non-parametric statistical method for analyzing data, and report writing.</p> <p>This session was included guest lectures on research methods and procedures in science</p>

and commerce faculties. The session also covered discussions on the role of ICTs in facilitating scholarly communication, exploring the meanings based on qualitative methods, ICT and its holistic use as a component of the rich and diverse academic life of scholars, quality research, plagiarism check tools, indexing and references, etc.

Schedule of Ph.D. Course I- Research Methodology for 10 days listed below:

Date	Session I 09.30am to 11.00am	Session II 11.00am to 12.30pm	Session III 01.00pm to 02.30pm	Session IV 02.30pm to 05.30pm
04/01/2020	Prof. Dr. Chaskar Dean of Science Faculty Need of Research Course work	Prof. Dr. A.D. Shaligram Research and need for research	Prof. Dr. Damayanti Gharpure Research Methodology	Central Library Visit
05/01/2020	Prin Dr. C. G. Dighavkar (Writing a research grant proposal for funding)	Dr. A. V. Patil Scientific communication (Report writing)	Dr. A. V. Patil Scientific communication (Paper Writing)	Research Lab visit- Intro to different instruments
06/01/2020	Dr. G. R. Dound The view of scientist / Philosophers about the philosophy of science	Dr. G. R. Dound The view of scientist / Philosophers about the philosophy of science	Prof. Dr. K. H. Kapadnis Elements of Scientific methods	Different departmental Research Lab visit- Intro to different instruments
07/01/2020	Prof. Dr. M. A. Bhardwaj Social accountability	Prof. Dr. M. A. Bhardwaj Ethical issues in science	Prof. Dr. K. H. Kapadnis Models of scientific inquiry	Book Review- I
08/01/2020	Dr. Murlidhar Bhadane The vales in science	Dr. Murlidhar Bhadane The vales in science	Dr. T. B. Pawar Experimental Method (Chemical)	Book Review-I
09/01/2020	Mr. Thorat ISO system (ISO 14000)	Dr. Resham Bhalla Intellectual Property Rights	Dr. ReshamBhalla Intellectual Property Rights	Book Review- II
10/01/2020	Dr. A. P. Bhadane Sampling, data collection and data recording	Dr. M. N. Shelar Use of computers in data collections, storage	Dr. M. N. Shelar Use of processing, modeling, forecasting and retrieval.	Book Review-II
11/01/2020	Prof. Dr. V. R. Shinde Nature of Scientific concepts and statements	Prof. Dr. V. R. Shinde Scientific reasoning	Dr. A. P. Bhadane Statistical methods	Sample Paper writing
12/01/2020	Dr. A. V. Patil Characterization techniques	Dr. U. P. Shinde Experimental Method (Physical)	Dr. U. P. Shinde Experimental Method (Physical)	Sample Synopsis writing
13/01/2020	Dr. K. R. Nikam Scientific English language	Dr. S. D.Patil Evolution and iteration	Dr. S. D.Patil Evolution and iteration	Sample thesis writing

Photo Proof:



Attendance:

List of the Student :

Sr. No.	Name of Student	Subject
1	Chaudhari Archana Anant	Electronic Sci.
2	DhumalSupriyaDhananjay	Electronic Sci.
3	Haral Satish Subhash	Electronic Sci.
4	HaseMonaliShivaji	Electronic Sci.
5	JohareKirankumarPremchand	Electronic Sci.
6	KadlagBhagawanNavnath	Electronic Sci.
7	Murtdak Prashant Sopanrao	Electronic Sci.

		8	Nikam Ajay Ashok	Electronic Sci.	
		9	PardeshiBhushanSubhash	Electronic Sci.	
		10	PardeshiOnkarMadansing	Electronic Sci.	
		11	Patil Anil Bhimrao	Electronic Sci.	
		12	Patil Seema Ramkrishna	Electronic Sci.	
		13	SajidNaemEhsanur Raheem	Electronic Sci.	
		14	SayyedSaimaGous	Electronic Sci.	
		15	Shaikh EjazNazir	Electronic Sci.	
		16	WaghSonaliLaxman	Electronic Sci.	
		17	Wakhare Sandhya Yogesh	Electronic Sci.	
		18	Wankhede SomnathAmrutrao	Electronic Sci.	
		19	Khare Satish Bhaurao	Psychology	
		20	Shinde PoorvaDevendra	Psychology	
		21	Jadhav Sameer Sadashiv	Zoology	
		22	ZiyaurrahmanZakir Husain	Zoology	
		23	Salve Jyoti Ashok	Zoology	
		24	Raut Ranjit Raosaheb	Zoology	
		25	Shaikh Sameena Haider	Zoology	
		26	Shinde Sonal B.	Commerce	
		27	Teltumbade Ganesh	Commerce	
		28	Varpe Ashwini Somnath	Physics	
		29	Kakre Mukund Tatyrao	Electronics	