

Bharat Shikshan Mandal's Saoli
Rashtrapita Mahatma Gandhi Arts, Commerce and
Science College, Saoli Dist- Chandrapur

Report

On

One Week National Research Methodology Workshop (Online)

28th February 2022 -05th March 2022



Submitted To

Internal Quality Assurance Cell (IQAC)

Submitted By

Department of Chemistry and Physics



**Bharat Shikshan Prasarak Mandal's
Rashtrapita Mahatma Gandhi Arts,
Commerce and Science College, Saoli
Dist-Chandrapur (M.S.)-441225**

**ONE WEEK NATIONAL RESEARCH
METHODOLOGY WORKSHOP (ONLINE)**

FOR P.G. STUDENTS AND RESEARCH SCHOLAR

From 28th February 2022 to 05th March 2022

ORGANIZED BY

DEPARTMENT OF PHYSICS AND CHEMISTRY

In collaboration with IQAC



OBJECTIVES OF THE WORKSHOP

- To understand some basic concepts of research and its methodologies
- To identify appropriate research topics
- To select and define appropriate research problem and parameters
- prepare a project proposal (to undertake a project)
- To organize and conduct research (advanced project) in a more appropriate manner
- To write a research report and thesis

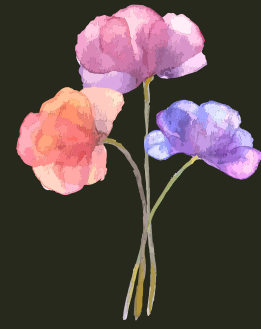
ABOUT COLLEGE

Rashtrapita Mahatma Gandhi Arts, Commerce and Science College, Saoli Dist- Chandrapur established in 1994 imparting quality education in the faculty of Arts, Commerce and Science. The institute is run by Bharat shikshan prasarak mandal, Saoli committed to the mission of propogating education for the society. The institution offers various undergraduate and post graduate courses. in Physics, Chemistry, Botany, Zoology, Marathi, Political Science & History.

Chief Patrons



Shri Rajabalpatil Sangidwar
Secretary, B.S.P.M. Saoli



Shri Sandeepbhau W. Gaddamwar
President, B.S.P.M. Saoli

Our Inspiration



Dr. A. Chandramouly
Principal

Convenor

Dr. Prerna Modak
Head Department of Physics
Contact No-9822577413.

Mr. Sandeep Deshmukh
Head Department of Chemistry &
IQAC Coordinator
Contact No-9689398414.

Co-Convenor

Dr. Rajashree Markandewar
Assistant Professor
Dept. of Chemistry

Dr. Ragini Patil
Assistant Professor
Dept. of Chemistry

Mr. Mukesh Nikhade
Assistant Professor
Dept. of Physics

Mr. Ashish Shende
Assistant Professor
Dept. of Physics

For Registration : [Click here](#)

To Join telegram group : [Click here](#)

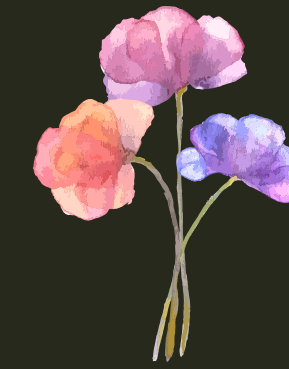
No registration fees required

Key Note Speaker

Inaugurator



Dr. Suresh B. Rewatkar
Dean, Faculty of Science
and Technology,
Gondwana University,
Gadchiroli



Valedictory



Dr. N.S. Kokode
Principal
N.H. College, Bramhapuri
Dist- Chandrapur

Resource Persons

Dr. Thammidala Christopher Reuben
Dean,
Research and faculty development ,
Chaitanya Deemed University,
Warangal

Dr. B. K. Magare
Professor
Dept. Of Chemistry, Shivaji College,
Kannad Dist- Aurangabad

Dr. Lathamani R.
Assistant Professor,
Vidyavardhaka Sangha,
VVFGC, Mysore

Dr. S. Lavanya
Assistant Professor
Dept. Of Mathematics, Bharathi
Women's College,
Chennai

Dr. Atul Nagpure
Assistant Professor
Dept. of Chemistry,
Rashtrapita Mahatma Gandhi College,
Nagbhid, Dist- Chandrapur

Mr. Pankaj Modak
Assistant Professor,
Dept. of Civil Engineering
AISSMS, Shivaji Nagar, Pune

Dr. Amardeep Shende
Dr. Shantilal Devsey College of Arts,
Commerce and Science, Wada, Dist-
Palghar, Thane

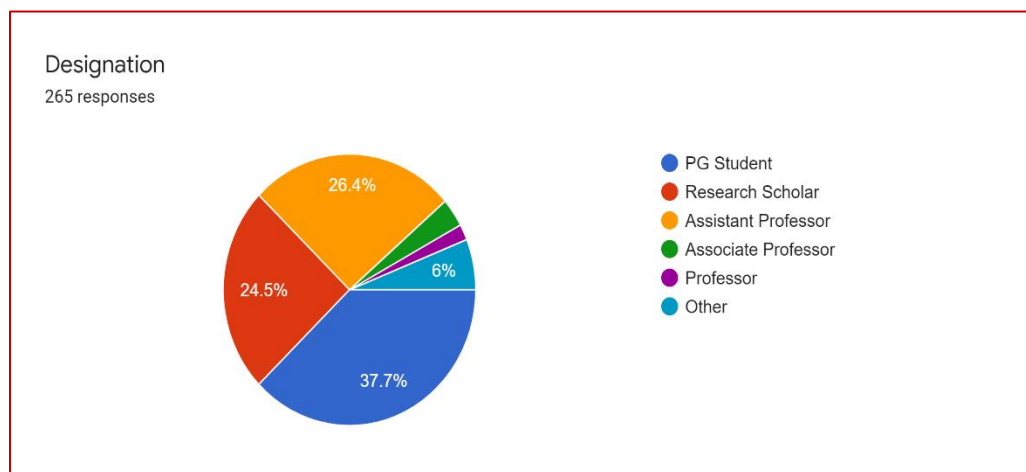
Dr. Atish Mehetre
Assistant Professor,
Shivaji College, Kannad
Dist-Aurangabad

Dr. Rakesh Kumar Parmar
Associate Professor and
Head, Department of Mathematics
and Computer Science,
Makhanlal Chaturvedi
Govt. Girls P.G. College, Khandwa

Dr. Sangita Itankar
Assistant Professor,
Dept. Of Applied Science,
Survodaya College of engineering ,
Nagpur

ONE WEEK NATIONAL RESEARCH METHODOLOGY WORKSHOP

The department of Physics and department of Chemistry in collaboration with IQAC, Rashtrapita Mahatma Gandhi Arts, Commerce and Science College, Saoli, District Chandrapur organized the One Week National Research Methodology Workshop from 28/2/2022 to 5/3/2022. The workshop was organized for the research scholars and the post graduate students. The programme was conducted online mode on ZOOM platform and the live could be observed on YouTube. The programme was inaugurated by Dr. Rewatkar, Dean of Science faculty, Gondwana University, Gadchiroli. There were 265 registrations enrolled for this workshop, among which 37.7% were post-graduation students, 24.5 % were Research Scholar, 26.4% were Assistant Professor, 3.4% Associate Professor, 1.9% were Professors and 6% were other.

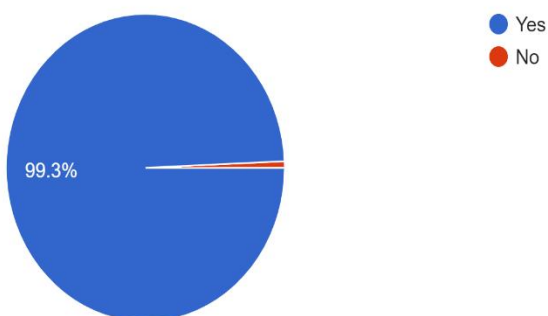


On the first day, Dr. Lathamani R. Assistant Professor, Vidyavardhaka Sangha, VVFGC, Mysore delivered a lecture on Introduction to research methodology. On day two Dr. Thammidala Christopher Reuben Dean Research and faculty development,

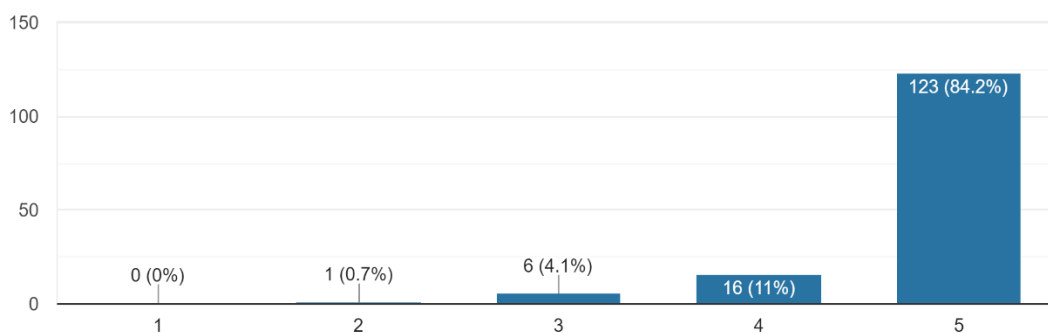
Chaitanya Deemed University, Warangal mesmerized the participants with his talk on Biodiversity & Biotechnology: Applications of Biotechnology: Green, Yellow & Red Biotechnology in the first half. In the second half, Dr. B.K. Magare Professor Dept. of Chemistry, Shivaji College, Kannad Dist-Aurangabad (M.S.) explained in depth “How to write research proposals/Dissertation”. On day three 03/03/2022, Dr. Atul Nagpure Assistant Professor Rashtrapita Mahatma Gandhi College, Nagbhid Dist- Chandrapur imbibe the dos and don'ts of in research and elaborate his talk which explained “How to start new research work”. Dr. S. Lavanya Assistant Professor Dept. of Mathematics, Bharathi, Women's College, Chennai explained various Essential e- Skills for research. On fourth day, Dr. Amardeep Shende Asst. Professor Dr. Shantilal Devsey College of Arts, Commerce and Science, Wada, Dist- Palghar, Thane made the talk very interesting with interactive session on Research methodology for beginners. Dr. Rakesh Kumar Parmar Associate Professor & Head Dept. of Mathematics and Computer Science, Makhanalal Chaturvedi Government Girl's PG College, Khandwa, (M.P) deliver a talk on “Recent technologies and tools in research” with a very effective discussion session. On fifth day. Dr. Atish R. Mehetre Asst. Professor Dept. of Chemistry, Shivaji College, Kannad Dist-Aurangabad (M.S.) delivered a wonderful lecture on “Review of Literature”. On the same day, Mr. Pankaj R. Modak Asst. Professor Dept. of Civil Engineering, AISSMS, Shivaji Nagar, Pune delivered a lecture on data collection and validation. On last day, 05/03/2022, Dr. Sangita Itankar Asst. Professor Dept. Applied Science, Survodaya college of engineering, Nagpur delivered a talk on Research Ethics. The second session was followed by a valedictory function, the Chief Guest was Dr. N.S. Kokode Principal N.H. College, Bramhapuri, Dist- Chandrapur (M.S.) and the Chair

Person was Dr. A. Chandramouly Principal Rashtrapita Mahatma Gandhi Arts, Commerce and Science College, Saoli Dist- Chandrapur (M.S.). The chief guest gave the brief note on the new rules and regulation for Ph.D. registration to thesis submission and concluded the programme with best wishes to the participants. The resource persons invited was from different parts of India and received the delightful feedback. There were around 146 participants actively participated in this workshop and received the certificate. The analysis of the feedback of the one-week national workshop is as below:

Did you get the links of the workshop on time?
146 responses

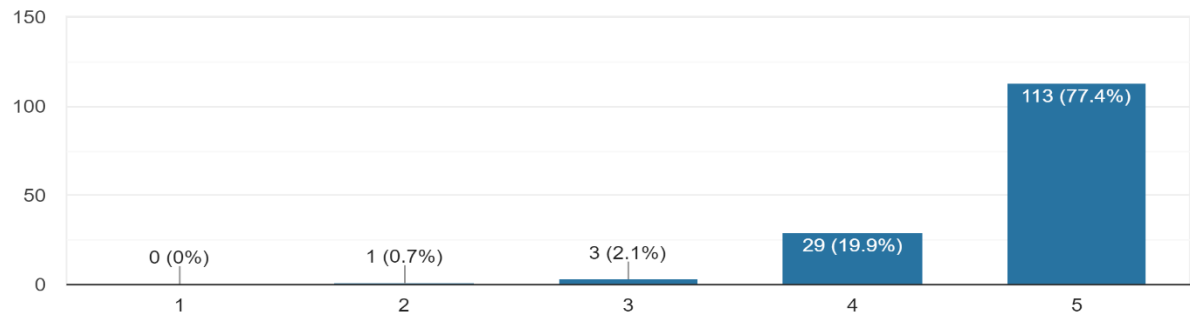


How satisfied were you with today's sessions?
146 responses



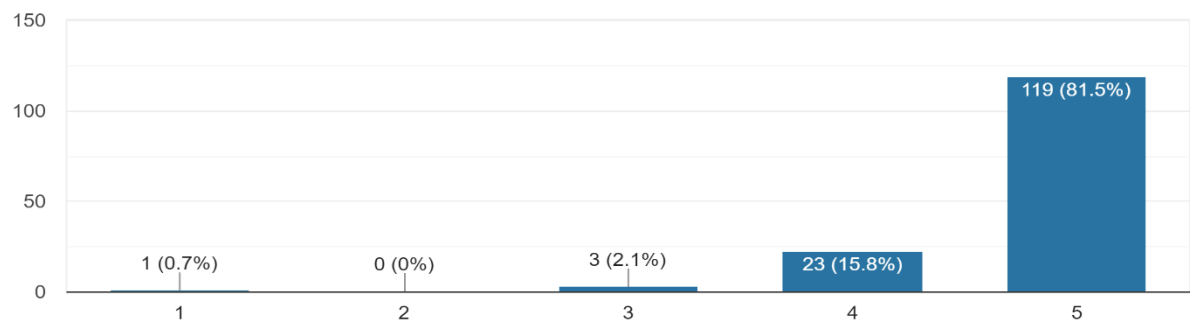
How relevant and helpful do you find today's sessions?

146 responses



Rate the usefulness and effectiveness of today's sessions.

146 responses



The You Tube link for each day is as below:

Day-1 <https://www.youtube.com/watch?v=1-ZFYmNIgZw&t=2073s>

Day-2 <https://www.youtube.com/watch?v=PFt2q5hAxnU&t=643sn>

Day-3 <https://www.youtube.com/watch?v=a2li9AdubsY&t=3426s>

Day-4 <https://www.youtube.com/watch?v=QCDKALYhs1Y&t=3157s>

Day-5 <https://www.youtube.com/watch?v=oBycILV9Qt8&t=397s>

Day-6 <https://www.youtube.com/watch?v=IZAq4Zmh-y0>

Questions Responses **265** Settings

Rashtrapita Mahatma Gandhi Arts, Commerce and Science College, Saoli Dist- Chandrapur (M.S.)-441225
 "One Week National Research Methodology Workshop (Online)"

For Post Graduate Students and Research Scholars
 From 28th Feb 2022 - 05th March 2022
 Organized By Department of Chemistry And Physics

E-mail *

Short answer text

Name of the Participant *

Short answer text

Mobile Number (Whatsapp) *

Short answer text

Sample copy of registration form

Questions Responses **146** Settings Total points: 0

One Week National Research Methodology Workshop (Online) for P.G. Students and Research Scholar from 28/02/2022 - 05/03/2022

Organized by Department of Chemistry and Department of Physics in Collaboration with IQAC, Rashtrapita Mahatma Gandhi Arts, Commerce and Science College Saoli, Chandrapur, Maharashtra

Feedback Form For Day-6 Date: 05/03/2022

Email *

Valid email

This form is collecting emails. [Change settings](#)

Full Name *

Short answer text

Name of the Institute *

Short answer text

Sample copy of feedback form

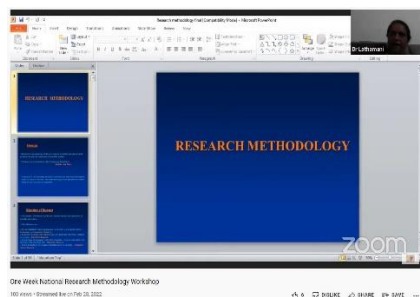
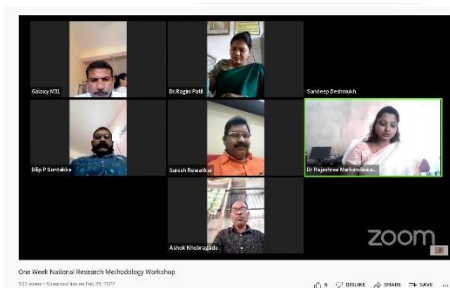
Number of Participants Registered

Total 265 participants registered

Sr No.	Name of the State	Participants
1	Maharashtra	238
2	Telangana	21
3	Rajasthan	01
4.	West Bengal	01
5	Madhya Pradesh	04

Glimpses of workshop

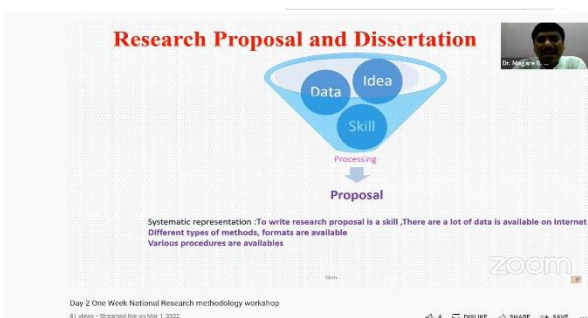
Day-1



Day-2

Science and Technology

Field	Branch	Area	Department	Final Outcome
Life Sciences (Living)	Botany	Mfn & Plant	Food & Nutritional Sciences	Genetic Engineering, Genomics, Proteomics
	Zoology	Human	Medical & Health Sciences	Therapies, IVE, Vaccines, Drug, Disease Diagnosis
	Animals	Cattle & Wild Life (Veterinary Science)	Milk and Meat	
Physical Sciences (Non-Living)	Physics	Birds	Poultry Science	Meat
	Chemistry	Biophysics, Geophysics,	Bioreactors To Detect COVID-19 Virus?	
	Chemical Properties	Forensic Science	DNA Fingerprinting	
Mathematical Science (Abstract)	Mathematics	Algorithms	Statistics	Models and Fractals
	Computer Science	Binary System	Robotics	Biostatistics, Molecular Docking Studies, AI
	Engineering	Scientific principles & Mathematics	All branches of Engineering	Aeroplane, Hanging Fan, Smart Switch, Electric, and Pesticidal Gadgets, Metal Alloy, PC, etc.



Day-3

What is Peer Review Process?

- 1 Author Submits the Paper to Journal
- 2 Article is Forwarded to the Journal Editor for Screening
- 3 On Acceptance, Article sent for Peer Review
- 4 Editor Assesses the Reviews & Update Author about them
- 5 Author incorporates the Changes and Resubmits

Submit → Accept

Day 3 One week national research methodology workshop
79 views · Streamed live on Mar 2, 2022

Research Steps

- Identification of a research problem/Topic.
- Review of Related Literature.
- Setting research questions, objectives, and hypotheses.
- Preparation of Research Design.
- Actual experimentation.
- Results and Discussion.
- Formulation of Conclusions and Recommendations.

Day 3 One week national research methodology workshop
79 views · Streamed live on Mar 2, 2022

Day-4

Collecting data

This means that “ the process of gathering and measuring information on variable of interest”.

Ways to come up with:

- Surveys
- Observations
- Experiments
- Simulations
- Derived
- Online tracking

Day-4 One Week National Research Methodology Workshop
43 views · Streamed live on Mar 3, 2022

eLink

Research often involves going through hundreds of links and articles and compiling them in one safe space for future reference or publishing them for your audience.

This is why many researchers use bookmarking and curation tools like eLink to quickly save their links under one roof and share them with their peers. eLink makes it easy for researchers to save content from around the web. They can save article links, videos, cloud files, social media posts, and much more!

Day-4 One Week National Research Methodology Workshop
48 views · Streamed live on Mar 3, 2022

Day-5

Review of Literature:

Review of Literature is a search and evaluation of the available literature in your given subject or chosen topic area. It documents the state of the art with respect to the subject or topic you are writing about. It is a collective summary of particular research from published data which is related to the current study carried out by a researcher. It helps to find out what research studies carried out or already known about the research problem and what more has to be done.

“A journey through literature”

Day-5 One Week National Research Methodology Workshop
46 views · Streamed live on Mar 4, 2022

Primary Data

- Qualitative data
Non numerical data
- Quantitative data
Numerical in nature

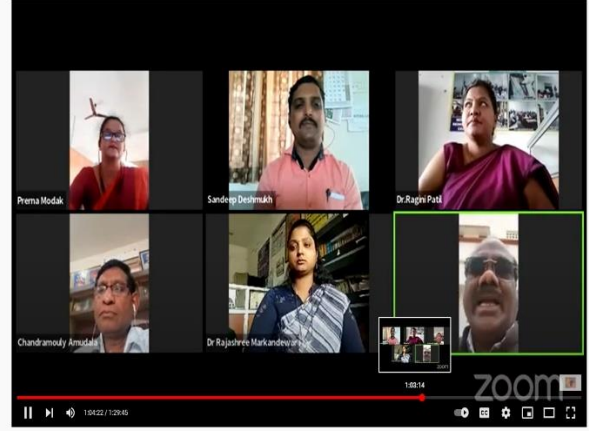
Primary data is collected by researcher himself using quantitative and qualitative methods.

Day 5 One Week National Research Methodology Workshop
46 views · Streamed live on Mar 4, 2022

Day-6



Day-6 One Week National Research Methodology Workshop
55 views - Streamed live on Mar 5, 2022



Day-6 One Week National Research Methodology Workshop
55 views - Streamed live on Mar 5, 2022

News published in News Paper

लोकमत

महात्मा गांधी महाविद्यालयात राष्ट्रीय कार्यशाळा

सावली : स्थानिक राष्ट्रपिता महात्मा गांधी कला वाणिज्य व विज्ञान महाविद्यालय सावली येथे रसायनशास्त्र विभाग, भौतिकशास्त्र विभाग व आयक्यूएसी यांच्या संयुक्त विद्यमाने आभासी राष्ट्रीय संशोधन कार्यशाळेचा समारोप करण्यात आला. कार्यशाळेचे उद्घाटन गौडवाना विद्यापीठ गडचिरोलीचे विज्ञान व तंत्रज्ञान विभागाचे अधिष्ठाता डॉ. सुरेश रेवतकर यांच्या हस्ते करण्यात आले. समारोपीय कार्यक्रमाच्या अध्यक्षस्थानी प्राचार्य डॉ. ए. चंद्रमौली तर प्रमुख पाहुणे म्हणून नेवजाभाई हितकारिणी महाविद्यालय ब्रह्मपुरीचे प्राचार्य डॉ. एन. एस. कोकोडे उपस्थित होते. यावेळी डॉ. कोकोडे यांनी पीएचडी संशोधक विद्यार्थ्यांना यूजीसीच्या नवीन नियमावलीबद्दल माहिती दिली. प्राचार्य डॉ. चंद्रमौली यांनी कार्यशाळेची भूमिका विषय केली. कार्यशाळेला राज्यातील व राज्याबाहेरील जवळपास १२ मान्यवरांनी आभासी पद्धतीने मार्गदर्शन केले. कार्यशाळेला देशभरातून जवळपास २०० जणांनी सहभाग नोंदवला. संस्थाध्यक्ष संदीप गड्डमवार, विद्यमान सचिव राजाबाळ पाटील, संगीडवार तसेच सर्व सदस्यांनी कार्यशाळेसाठी लागणाऱ्या सुविधा उपलब्ध करून दिल्या. रसायनशास्त्र विभाग प्रमुख संदीप देशमुख यांनी कार्यशाळेचा वृत्तांत वाचून दाखविला. भौतिकशास्त्र विभागाच्या प्रमुख व आयोजक डॉ. प्रेरणा मोडक यांनी पाहुण्यांचा परिचय करून दिला. कार्यशाळा यशस्वीतेसाठी प्रा. डॉ. राजश्री मार्कडेवार, डॉ. रागिणी पाटील, प्रा. मुकेश निखाडे, प्रा. आशिष शेंडे, प्रा. संगानंद बागडे यांनी प्रयत्न केले. प्रा. संदीप देशमुख यांनी आभार मानले.