



Event Name: Webinar on Research Methodology & Report Writing

Event Date: 7th May, 2022

Number of Participants in such activities: 75

Event Venue/ Time: 11:00 am onwards through online platform (Google meet).

Organizing unit/ agency/ collaborating agency: Department of Physical Sciences

Name of the scheme: Under the aegis of IQAC, SBBSU

Activity Report

➤ With the heavenly blessings of Revered Sant Baba Dlawar Singh Ji (Brahm Ji), the benign endorsement of Chancellor, SBBSU, Sant Baba Sarwan Singh Ji, under the able guidance of Hon'ble Vice-Chancellor, SBBSU, Prof. (Dr.) Dharmjit Singh Parmar, Department of Physical Sciences under the aegis of IQAC have successfully conducted a webinar on "**Research Methodology & Report Writing**", on : 7th May, 2022.

- Dr Honey Sharma, Assistant Professor Physics, SBBSU was the resource person for the webinar.
- More than 70 participants of different streams of masters and PhD scholars have attended the webinar. The entire lecture was very interactive and informative for the participants.
- Webinar commenced with the welcome address by Dr Nisha Sharma and Dr Mithu Maiti Jana, Conveners of the webinar.
 - There were more than 70 participants registered/attended this webinar.
 - MAINLY RESEARCH SCHOLARS AND PG students of different disciplines have registered and participated in this event.
 - Webinar expert has provide a concrete description such as: Objectives of research, Criteria of good research, research process and parts of research design and effective report writing and many more.
- The webinar was highly informative and motivational for students and Faculty.
- Webinar was concluded with Vote of thanks by Dr Mithu Maiti Jana, Conveners of the Webinar.
- There is no registration fee for the webinar. e-Certificates have been issued to all the participants on the successful participation and submission of Feedback form of the Webinar (Feedback form provided at the end of the online session).



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Registration link for Webinar:

<https://forms.gle/CZpVyNJ67koAtASf9>

Feedback link for webinar

https://docs.google.com/forms/d/e/1FAIpQLSeUldvy5RdiF2xZoP_Ds3KEOVtfnTTV1h9ObjlUzYlpw32p-Q/viewform?usp=pp_url

Google meet Link for webinar

<http://meet.google.com/uwr-iiff-cmu>

Glimpse of the activity:



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With Heavenly blessings of
Sant Baba Dlawar Singh (Brahm ji)



Chief Patron
Sant Sarwan Singh Ji
Hon'ble Chancellor, SBBSU



Patron
Dr. Dharmjit Singh Parmar
Vice Chancellor, SBBSU

ONE DAY WEBINAR ON

“RESEARCH METHODOLOGY & REPORT WRITING”

ORGANIZED BY

Department of Physical Sciences
(Under the aegis of IQAC, SBBSU)

07th May 2022

Timing:- 11:00-12:30 pm



Resource Person

Dr. Honey Sharma

Assistant Professor Physics, SBBSU

DESIGNED BY: MULTIMEDIA DEPARTMENT

Convener

Dr Nisha Sharma
(Head, Physical Science)

Dr. Mithu Maiti Jana
(Co-Coordinator, Physical Science)

Organizing Committee
Faculty of Physical Sciences

Registration link: <https://forms.gle/EuXutqBgjLnp9s4i7>

Google meet link: meet.google.com/uwr-iiff-cmu

CONTACT US AT

physicalsciencessbbsu@gmail.com

(+91) 9592517070, 7018632993

WWW.SBBSUNIVERSITY.AC.IN

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11:03 AM | uwr-iiff-cmu

Participants: Mithu Maiti, Amarpreet Kaur, Sharma Puneet, Meena Simi, Preeti Kainth, shailika kanwar, Ifrah Rathore, Anjana Verma, Pratiksha, Suman Beetan, Vikas Sood, Arshpreet Kaur, Sukhwinder Kaur, Ravinder Dogra, Parvinder Kaur, Bindu Sharma, Ritu Bala, Honey Sharma, jyoti saini, Prabh Caur, Umesh Lath, Muskan mahey, 19 others.

Windows taskbar: WhatsApp Image...jpeg, LECTURE SCHED...docx, MG Research pa...docx, HYGINE.xlsx

Browser: meet.google.com/uwr-iiff-cmu

System tray: 29°C, 11:03, 07-05-2022

Honey Sharma is presenting

11:07 AM | uwr-iiff-cmu

Participants: Honey Sharma, Mithu Maiti, Parshotam Tyagi, Amarpreet Kaur Sab..., Umesh Lath, Vikas Sood, Bindu Sharma, 43 others, You.

TABLE OF CONTENT

- Meaning of Research
- Objectives of Research
- Criteria of Good Research
- Research Process
- Report Writing
- Significance of Report Writing
- Different Steps in Writing a Research Report
- Layout of Research report
- Types of Research report
- Precautions for Writing a Research Report



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Honey Sharma is presenting

OBJECTIVES OF RESEARCH

The purpose of research is to discover answers to questions through the application of scientific procedures. The main aim of research is to find out truth which is hidden and which has not been discovered yet. Though each research study has its own specific purpose, So, some general objectives of research are mentioned below.

- To gain familiarity with a phenomenon or to achieve new insights into it.
- To portray accurately the characteristics of a particular individual, situation or a groups.
- To determine the frequency with which something occurs or with which it is associated with something else.
- To test a hypothesis of a causal relationship between variables.

11:11 AM | uwr-iiff-cmu

Participants: Honey Sharma, Parshotam Tyagi, Mithu Maiti, Amarpreet Kaur Sab..., Umesh Lath, Vikas Sood, Bindu Sharma, 50 others

Honey Sharma is presenting

CRITERIA OF GOOD RESEARCH

- The analysis of data should be sufficiently adequate to reveal its significance and the methods of analysis used should be appropriate. The validity and reliability of the data should be checked carefully.
- Conclusions should be confined to those justified by the data of the research and limited to those for which the data provide an adequate basis.
- Greater confidence in research is warranted if the researcher is experienced, has a good reputation in research and is person of integrity.

Manpreet Kaur has left the meeting

11:16 AM | uwr-iiff-cmu

Participants: Honey Sharma, Parshotam Tyagi, Mithu Maiti, Amarpreet Kaur Sab..., Umesh Lath, Vikas Sood, shailika kanwar, 48 others

Honey Sharma is presenting

In other words, we can state the qualities of a good research as under:

- Good research is systematic
- Good research is logical
- Good research is empirical
- Good research is replicable

Ifrah Rathore has left the meeting

11:18 AM | uwr-iiff-cmu

Participants: Honey Sharma, Parshotam Tyagi, Mithu Maiti, Amarpreet Kaur Sab..., Umesh Lath, Vikas Sood, shailika kanwar, 46 others, You



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Honey Sharma is presenting

11:19 AM | uwr-iiff-cmu

Participants: Honey Sharma, Parshtam Tyagi, Mithu Maiti, Amarpreet Kaur Sab..., Umesh Lath, Vikas Sood, shallika kanwar, 49 others, You

Honey Sharma is presenting

11:20 AM | uwr-iiff-cmu

Participants: Honey Sharma, Bindu Sharma, Mithu Maiti, Amarpreet Kaur Sab..., Umesh Lath, Vikas Sood, shallika kanwar, 45 others, You

Honey Sharma is presenting

11:25 AM | uwr-iiff-cmu

Participants: Honey Sharma, Bindu Sharma, Mithu Maiti, Amarpreet Kaur Sab..., Umesh Lath, Vikas Sood, shallika kanwar, 48 others, You



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FORMULATE HYPOTHESIS

- 1 A solid question
- 2 Background research
- 3 Making sure it's testable

4 Independent and dependent variables

11:28 AM | uwr-iiff-cmu

Participants: Honey Sharma, Bindu Sharma, Mithu Maiti, Amarpreet Kaur Sab..., Umesh Lath, Vikas Sood, Ritu Bala, 42 others, You.

Honey Sharma is presenting

Parts of Research Design

- Sampling Design**: Which deals with the methods of selecting items to be observed for the study.
- Observational design**: Which relates to the condition under which the observation are to be create.
- Statistical Design**: Which concern the question of the of How the information and data gathered are to be analysed ?
- Operational design**: Which deals with techniques by which the procedures satisfied in sampling.

11:33 AM | uwr-iiff-cmu

Participants: Honey Sharma, Bindu Sharma, Mithu Maiti, Amarpreet Kaur Sab..., Umesh Lath, Vikas Sood, Ritu Bala, 42 others, You.

Honey Sharma is presenting

Analysing Data

- Qualitative data analysis techniques
 - Inductive analysis
 - Using computer software
 - Guidelines for reporting the results of qualitative data analysis
- Quantitative data analysis techniques
 - Descriptive statistics
 - Inferential statistics
 - Using computer software
 - Guidelines for reporting the results of quantitative data analysis

11:44 AM | uwr-iiff-cmu

Participants: Honey Sharma, Bindu Sharma, Mithu Maiti, Amarpreet Kaur Sab..., Umesh Lath, Vikas Sood, Pratiksha, 38 others, You.



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H Honey Sharma is presenting

DIFFERENT STEPS IN WRITING REPORT

- Logical analysis of subject matter.
- Preparation of final outline.
- Preparation of rough draft.
- Rewriting and polishing of rough draft.
- Preparation of final bibliography.

(a) For books and Pamphlets the order may be as under:
Name of author, last name first.
Title, underline to italics.
Publisher, place and date of publication.
Number of Volumes
For example: *Quantitative Techniques*, Vikas
Mgmt. Pvt. Ltd., New Delhi, 1978

Ifrah Rathore has left the meeting

11:51 AM | uwr-iiff-cmu

Participants: Honey Sharma, Amarpreet Kaur Sab..., Umesh Lath, Mithu Maiti, Vikas Sood, Bindu Sharma, Pratiksha, 37 others, You.

H Honey Sharma is presenting

Types of Research Report

- Technical Report outline
 - Results Summary
 - Nature of Study
 - Methods Used
 - Data
 - Presenting Findings
 - Conclusions
 - Bibliography
 - Technical Appendices
 - Index
- Popular Report outline
 - Findings and Their Implications
 - Recommendations for Action
 - Objectives of Study
 - Technical Appendices
 - Technique Used
 - Results

11:58 AM | uwr-iiff-cmu

Participants: Honey Sharma, Amarpreet Kaur Sab..., Umesh Lath, Mithu Maiti, Vikas Sood, Bindu Sharma, Pratiksha, 35 others, You.

Dr. Nisha Sharma
(Head, Physical Sciences)