

Summary

Capacity Building Programme on “Research Methodology”

Shivaji College, University of Delhi organized **the Capacity Building Programme on “Research Methodology” from August 26-29, 2021** under Vidya Vistar Scheme (V2 Scheme) of University of Delhi for the partner Colleges D.A.V. College, CCS University, Muzaffarnagar, UP; Sikkim Govt. College, Burtuk, Sikkim and Himalayan Degree College, Rajouri, J & K.

The programme included exhaustive sessions on introduction to research proposal, result analysis, plagiarism and financial support.

The event started with a welcome note to all the participants. The principal, Shivaji college, Professor Shiv Kumar Sahadev addressed the participants and encouraged the partner colleges to participate in this four day programme with full enthusiasm. The inaugural lecture, session on, titled **“Introduction to research proposal, selection of topic, and methodology for the project”** was introduced in a very lucid and simplified way by **Professor Rashmi Wardhan**. The students were mesmerized by her way of explaining. The second resource person of the day was **Dr. Richa Arora**, who explained about the use of Mendley Reference manager with hands on method. Her teaching method connected with participants immediately. After the end of day 1 session, the questionnaire was shared by goggle link with the participants which they were supposed to fill with in stipulated time.

The second day session was on **“Interpretation of Data and Result analysis”** which was covered by **Dr. Divya Mohanty and Dr. Neeti Goel**. The session was full of active discussion and very enriching in terms of information. After the end of second day also the questionnaire was shared.

The third day session entitled **“Ethical issues, plagiarism and IPR”** was taken up by **Dr. Gitarani Leisangthem and Dr. Prabuddh Kumar Mishra**. The participants were spell bound by speakers and they could not stop showering the compliments. It was an enlightening session for every participant as expressed by their comments in chat section. Also the questionnaire was shared.

The final session on day 4 was on the topic **“Financial support (Scholarships/ opportunities after UG/PG and funding agencies)”** delivered by **Dr. Sunita Singh and Dr. Shilpa Jain**. The session was well appreciated and complimented by participants.

Just after session 4, the valedictory function was conducted. The host of the event, Dr. Richa arora, played the video showing the evolution journey of Shivaji College till its Diamond jubilee year.

The feedback responses received via Google link were presented by power point presentation which was overwhelming. Thereafter participants from the partner colleges were invited to share their experience through virtual platform. The participants requested for organization of such workshops in future also and they will be eagerly waiting for it. They expressed their happiness about the content of the workshop which was well described and elaborated. Participants were too excited for each session as evident from their statements which caught their full attention throughout the four days. They were fully engrossed in each session in hunger of more even though it was organized during pandemic. They explained how it was worth attending and listening. Students also expressed their happiness by Allama Iqbal'a shayari

*aañkh jo kuchh dekhtī hai lab pe aa saktā nahīñ
mahv-e-hairat huuñ kī duniyā kyā se kyā ho jā.egī
tū shāhīñ hai parvāz hai kaam terā
tīre sāmne āsmāñ aur bhī haiñ
javānoñ ko mirī āh-e-sahar de
phir in shāhīñ bachoñ ko bāl-o-par de
ḵhudāyā aarzū merī yahī hai
mirā nūr-e-basīrat aam kar de*

It was formally concluded with Vote of Thanks by **Proferssor Rashmi Wardhan**.



Shivaji College

NAAC Accredited Grade "A"
(University of Delhi)

Under

Vidya Vistar Scheme

Organises

Capacity Building Programme on

RESEARCH METHODOLOGY

August 26-29, 2021



PATRON

Prof. Shiv Kumar Sahdev, Officiating Principal, Shivaji College

PARTNER COLLEGES

Dr. Iyatta M. Uprety, Principal, Sikkim Govt. College

Dr. Mohd. Ayoub, Principal, Himalayan Degree College, J & K

Dr. Shashi Sharma, Principal, DAV College, Muzaffarnagar

CONVENOR

Prof. Rashmi Wardhan
Shivaji College, DU

CO-CONVENOR

Dr. Sunita Singh
Shivaji College, DU

COORDINATOR

Dr. Garima Jain
D.A.V College, CCS Univ.

For any query, you may contact at Email ID: v2s@shivaji.du.ac.in



Capacity Building Programme on RESEARCH METHODOLOGY

SESSION SCHEDULE



Date	Session	Resource Persons
August 26, 2021	Introduction to Research Proposal, Selection of Topic and Methodology for the Project	Prof. Rashmi Wardhan Dr. Richa Arora Dr. Nidhi Tyagi
August 27, 2021	Interpretation of Data and Result Analysis	Dr. Divya Mohanty Dr. Neeti Goel
August 28, 2021	Ethical Issues, Plagiarism and IPR	Dr. Gitarani Leisangthem Dr. Prabuddh Kumar Mishra
August 29, 2021	Financial Support (Scholarships/Opportunities after UG/PG and Funding Agencies)	Dr. Sunita Singh Dr. Shilpa Jain

Day 1: 26th August 2021

The screenshot shows a Zoom meeting interface. At the top, it says "Zoom Meeting" and "You are viewing Dr. Nidhi Tyagi's screen". The main content is a presentation slide with the title "Vidya Vistar Scheme" and a photograph of a large, white, classical-style building with a central archway and a paved path leading to it. Below the photo, the text reads: "The Vidya Vistar Scheme is based on the principle of mutual respect, cooperation and sharing between two Colleges/Departments of both the universities as equal partners." To the right of the slide is a list of 112 participants, including Richa (Co-host), Principal, Shivaji College (Host), Dr. Nidhi Tyagi (Co-host), Dr. Divya Mohanty (Co-host), Prof. Rashmi War... (Co-host), Shivaji College Comm... (Co-host), Dr. Iyatta M. Uprety, Aakriti sharma, Aamir Sohail, Aayushi, Adeeba Rehbar, and Allied Lepcha. The bottom of the screen shows the Windows taskbar with the search bar, system tray, and the date 26-08-2021 at 11:01.



Zoom Meeting

Participants (110)

Find a participant

Waiting Room (4) Message Admit all

dipa sharma

lakhi doma bhutia

Palak

Pardeep

Joined (110)

Richa (Co-host, me)

Principal, Shivaji College (Host)

Dr. Divya Mohanty (Co-host)

Dr. Nidhi Tyagi (Co-host)

Prof. Rashmi Wardhan (Co-host)

Prof. Rashmi Wardhan (Co-host)

Shivaji College Comm... (Co-host)

Unmute Stop Video Security Participants Chat Share Screen Record Reactions More Leave

Type here to search

31°C

10:51 26-08-2021

You are viewing Prof. Rashmi Wardhan's screen

View Options

File Home Insert Design Transitions Animations Slide Show Review View Acrobat

Cut Copy Paste Format Painter New Slide Section Clipboard Slides

Font Paragraph Drawing

Shape Fill Shape Outline Shape Effects Find Replace Select

1 Research Methodology

2 Under vidya vistar

3 Research methodology is the scientific procedure of systematic and logical manner to collect and analyse information about a topic. Research helps establish meaningful practices.

4 Research steps

5 some steps in which research is used in various

6 Research methods

Research Methodology Introduction

Prof Rashmi Wardhan , Shivaji college, University of Delhi

Click to add notes

Slide 1 of 19 '23_ClassicWhite'

Unmute Start Video Security Participants Chat Share Screen Record Breakout Rooms Reactions More Leave

Gifty Sudan

Gifty Sudan

Dr.Kiran pal singh

28 SUP Piyush Garg(Rahul Tayal ji)

Dr Shashi Shar...

Zoom Meeting You are viewing Prof. Rashmi Wardhan's screen View Options

Prof. Rashmi W... Shilpa sharma Shivaji College Commi... 1yQqkWGOKx...

Prof. Rashmi Wardhan Shilpa sharma Shivaji College Commi... 1yQqkWGOKxMOX_3025...

Recording...

Research methods

- Experiments
- Surveys
- Questionnaires: Questionnaires typically contain multiple choice questions, attitude scales, closed questions and open-ended questions. The drawback for researchers is that they usually have a fairly low response rate and people do not always answer all the questions and/or do not answer them correctly.
- Interviews: The interviewer (which is not necessarily the researcher) could adopt a formal or informal approach, either letting the interviewee speak freely about a particular issue or asking specific pre-determined questions.
- Case studies
- Participant and non-participant observation
- Observational trials: Observational trials study health issues in large groups of people but in natural settings. **Longitudinal** approaches examine the behaviour of a group of people over a fairly lengthy period of time e.g. monitoring cognitive decline from mid to late life paying specific attention to diet and lifestyle factors.

Participants (124)

Find a participant

- Richa (Co-host, me)
- Principal, Shivaji Coll... (Host)
- Prof. Rashmi ... (Co-host)
- Dr. Divya Mohanty (Co-host)
- Dr. Nidhi Tyagi (Co-host)
- Shivaji College C... (Co-host)
- 1yQqkWGOKxMOX_3025AAAA...
- Nazia akhter
- Redmi
- 28 SUP Piyush Garg(Rahul Tayal ...)
- Aamir Sohail
- Aayushi

Unmute Start Video Security Participants 124 Chat Share Screen Reactions More Leave

Type here to search 31°C 11:35 26-08-2021



Day 2: 27th August 2021

Browser tabs: (no subject) - richaarora@shivaji | Meet - mgo-gwis-vuw | Sci-Hub | | 10.1021/jp308751x | S.S. Han, D.H. Jung, J. Heo, J. Phy

Address bar: https://meet.google.com/mgo-gwis-vuw

REC | Divya Mohanty is presenting

Data Interpretation and Result analysis

DR DIVYA MOHANTY
ASSISTANT PROFESSOR
DEPARTMENT OF BOTANY

3:59 PM | mgo-gwis-vuw

Windows taskbar: Type here to search | 35°C | 15:59 27-08-2021

Browser tabs: (no subject) - richaarora@shivaji | Meet - mgo-gwis-vuw | Sci-Hub: removing barriers in the | S.S. Han, D.H. Jung, J. Heo, J. Phy

Address bar: https://meet.google.com/mgo-gwis-vuw

REC | Divya Mohanty is presenting

Double or two-way A simple

Triple table:
Data relating to only 3 characteristics

Gender	Food habit			
	Vegetarians		Non Vegetarians	
	Age below 20 years	Age 20 & above years	Age below 20 years	Age 20 & above years
Boys	0	2	1	6
Girls	1	4	10	14

Multiple table:

Gender	Residing Area	Food habit				Age
		Vegetarians		Non Vegetarians		
		Age <20 years	Age >>20 years	Age <20 years	Age >>20 years	
Boys	Day scholars	0	0	1	4	
	Hostellers	0	2	0	2	
Girls	Day scholars	0	1	2	2	
	Hostellers	1	3	8	12	

4:11 PM | mgo-gwis-vuw

Windows taskbar: Type here to search | 35°C | 16:11 27-08-2021

Dr. neeti Goel is presenting

Some basic points

- Research
- Research methodology
- Clear vision of topic
- Knowledge of mathematical models or software's
- Systematic approach
- Precautions while taking measurements
- Interpretation of data

3:20 PM | mgo-gwis-vuw

People

Add people

Search for people

In call

- Richa Arora (You)
- Aayushi tyagi
- Akshika Tyagi
- amit goel
- Ananya Goliyan

76 others

You

34°C 15:20 27-08-2021

Dr. neeti Goel is presenting

- Sum of squared residuals: $S(b_0, b_1) = \sum_{i=1}^n e_i^2 = \sum_{i=1}^n (y_i - y_i')^2 = \sum_{i=1}^n (y_i - b_0 - b_1 x_i)^2$
- To minimize: Set $\frac{\partial S}{\partial b_0} = 0$ and $\frac{\partial S}{\partial b_1} = 0$
- This results in the **normal equations**:

$$b_0 n + b_1 \sum_{i=1}^n x_i = \sum_{i=1}^n y_i$$

$$b_0 \sum_{i=1}^n x_i + b_1 \sum_{i=1}^n x_i^2 = \sum_{i=1}^n x_i y_i$$
- Solve these equations to obtain expressions for b_0 and b_1 , the parameter estimates that give the best fit of the simulated and observed values.

3:40 PM | mgo-gwis-vuw

People

Dr. neeti Goel

KM RUTBA

Garima Jain

Manju Chauhan

Kashif Bhat

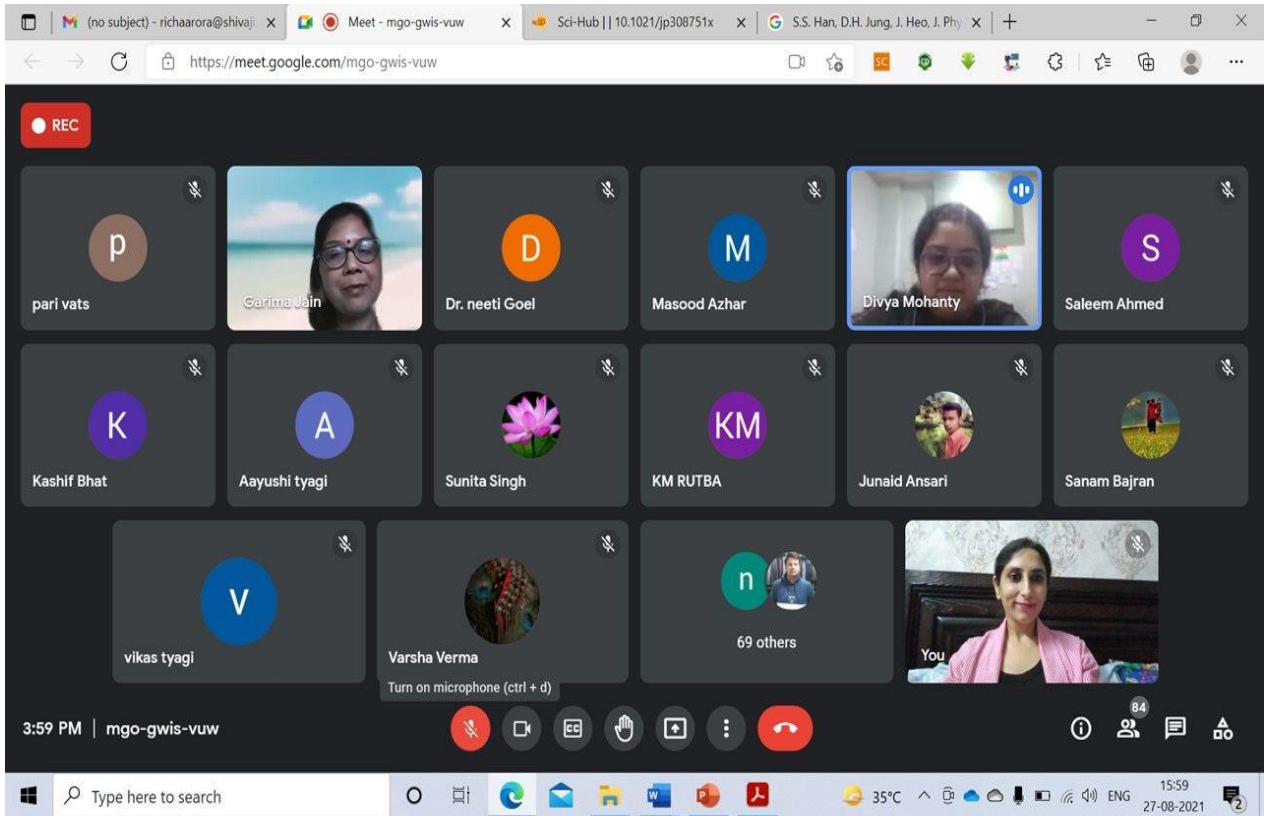
Aayushi tyagi

Sunita Singh

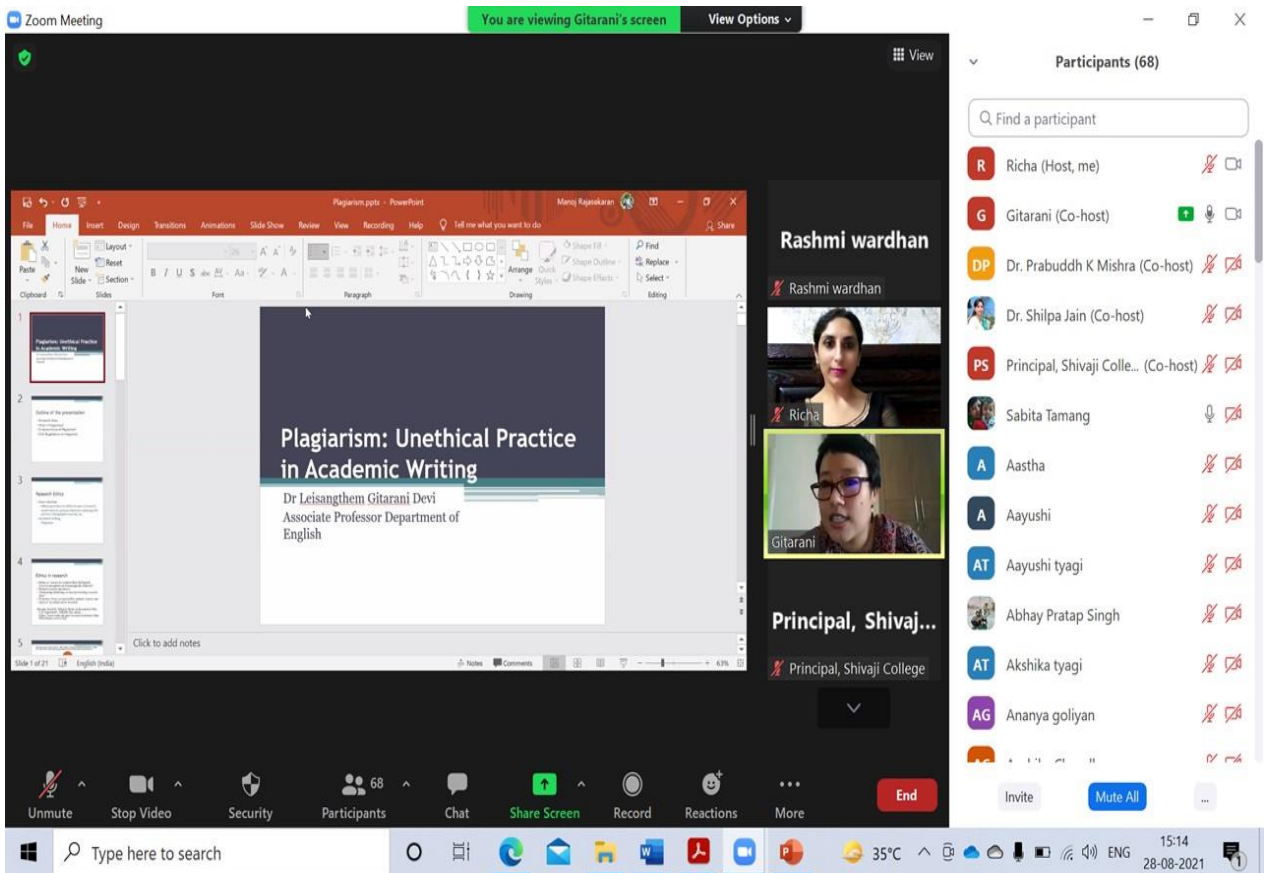
65 others

You

35°C 15:40 27-08-2021



Day 3: 28th August 2021



Recording

Participants (71)

Find a participant

Dr. Neeti Goel (Me)

Richa (Host)

Dr. Prabuddh K ... (Co-host)

Dr. Shilpa Jain (Co-host)

Gitarani (Co-host)

Invite Unmute Me

Chat

mam your lecture is very interesting and knowledgeable

From Varsha Verma to Everyone: 04:32 PM

bhej dijiye

Who can see your messages? Recording On

To: Everyone

Type message here...

Dr. Shilpa Jain

Dr. Neeti Goel

Ayushi sharma

Gitarani

Masood Azhar

Dr. Prabuddh K Mishra

Richa

Principal, Shivaj...

Sajid Mehmood

Avishi Choudhary

Suresh Tamang

Reena Pundir

Shweta Tyagi

Pranjali Garg

Rajni Pradhan

Sonakshi tyagi

Anshika Choudh...

Sangeeta Raj

Asad Chaudhary

Bandana Sarda

Ashutosh Saini

Kaden Lhamu B...

Dr Divya Mohanty

Recording

Participants (71)

Find a participant

Dr. Neeti Goel (Me)

Richa (Host)

Dr. Prabuddh... (Co-host)

Dr. Shilpa Jain (Co-host)

Gitarani (Co-host)

Principal, Shivaji C... (Co-host)

Aayushi tyagi

Akshika tyagi

Anshika Choudhary

Asad Chaudhary

Ashutosh Saini

Avishi Choudhary

Ayushi sharma

Bandana Sarda

Invite Unmute Me

Example-1

Students are required to prepare a research proposal during their undergraduate program.

XYZ developed the idea for his project and discussed with a friend. Several months later, he found that his idea had been submitted as a research proposal by his friend without his knowledge.

Dr. Prabuddh K Mishra

Day 4: 29th August 2021

Zoom Meeting | You are viewing Principal, Shivaji College's screen | View Options

Recording... | Unmute | Start Video | Security | Participants (58) | Chat | Share Screen | Reactions | More | End

Creative Commons is an American non-profit organization and international network devoted to educational access and expanding the range of creative works available for others to build upon legally and to share.
Founded: 15 January 2001
Headquarters: Mountain View, California, United States
Focus: Expansion of "reasonable" flexible copyright
Founders: Lawrence Lessig, James Boyle, Hal Abelson

Attribution

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- Attribution – No Derivatives
- Attribution – Non-Commercial
- Attribution – Non-Commercial – Share Alike
- Attribution – Non-Commercial – No Derivatives

<https://upload.wikimedia.org/wikipedia/commons/e/e7/Creative-commons-infographic.jpg>

Participants (58)

- Richa (Host, me)
- Principal, Shi... (Co-host)
- Dr Divya Mohanty (Co-host)
- Dr. Nidhi Tyagi (Co-host)
- Dr. Prabuddh K... (Co-host)
- Dr. Shilpa Jain (Co-host)
- Dr. Neeti Goel (Co-host)
- Prof. Rashmi War... (Co-host)
- Aayushi tyagi
- Abhay Pratap Singh
- Anshika Choudhary
- Asad Chaudhary

Zoom Meeting | You are viewing Dr. Shilpa Jain's screen | View Options

Recording... | Unmute | Start Video | Security | Participants (62) | Chat | Share Screen | Pause/Stop Recording | Reactions | More | Leave

International Agencies

1. World Bank (WB) (Website:www.worldbank.org)
2. International Monetary Fund (IMF) (Website:www.imf.org)
3. Asian Development Bank (ADB) (Website:www.adb.org), United Nations Conference on Trade and Development (UNCTAD) (Website:www.unctad.org)
4. United Nations Development Programme (UNDP) (Website:www.undp.org)
5. World Trade Organization (WTO) (Website:www.wto.org)
6. Ford Foundation (Website:www.fordfoundation.org)
7. United Nations Educational, Scientific and Cultural Organization (UNESCO) (Website:www.unesco.org)
8. International Food Policy Research Institute (IFPRI) (Website:www.ifpri.org)
9. Bill and Melinda Gates Foundation (Website:www.gatesfoundation.org)

Participants (61)

- Waiting Room (1)
- Dr. Amrita
- Joined (61)
- Dr. Neeti Goel (Co-host, me)
- Richa (Host)
- Dr. Shilpa Jain (Co-host)
- Dr Divya Mohanty (Co-host)
- Dr. Nidhi Tyagi (Co-host)
- Dr. Prabuddh K... (Co-host)
- Principal, Shivaji C... (Co-host)
- Prof. Rashmi War... (Co-host)
- Aayushi tyagi
- Akshika tyagi
- Anshika Choudhary

Valedictory

Zoom Meeting | You are viewing Richa's screen | View Options

Recording... | Security | Participants (64) | Chat | Share Screen | Reactions | More | Leave

Richa (Host) is speaking.

Dr Divya Moha...
Dr Divya Mohanty

Dr.Neeti Goel
Dr.Neeti Goel

Principal, Shivaj...
Principal, Shivaji College

Dr. Amrita
Dr. Amrita

Avishi Choudhary
Avishi Choudhary

Kashif Bhat
Kashif Bhat

Participants (64)

Find a participant

- Dr Divya Mo... (Co-host, me)
- Richa (Host)
- Dr.Neeti Goel (Co-host)
- Dr. Nidhi Tyagi (Co-host)
- Dr. Prabuddh K... (Co-host)
- Dr. Shilpa Jain (Co-host)
- Principal, Shivaji ... (Co-host)
- Prof. Rashmi War... (Co-host)
- Aayushi tyagi
- Akshika tyagi
- Anchal kalshaniya
- Anshika Choudhary

Invite | Mute All

Type here to search | 16:40 29-08-2021

Zoom Meeting | Richa is talking...

Recording... | Security | Participants (63) | Chat | Share Screen | Pause/Stop Recording | Breakout Rooms | Reactions | More | Leave

DR PURNIMA V...
DR PURNIMA VASHISHTHA

Suresh Tamang

Mohd Ashfaq

Payal Goel

Deepti Jain

Vijayata Bhamri

Anshika Choud...
Anshika Choudhary

Reena Pundir
Reena Pundir

Vishal sharma
Vishal sharma

Vasudev
Vasudev

Sonakshi Tyagi
Sonakshi Tyagi

Ashutosh Saini

Sobia Kouser

Shabnoor jahan
Shabnoor jahan

Sabita Tamang

Samuel Rai

Akshika tyagi
Akshika tyagi

Sabha Rashid k...
Sabha Rashid Khan

Tenzin Peggila
Tenzin Peggila

dechen ongmu

Prof. Rashmi W...
Prof. Rashmi Wardhan

Narayan Sharma
Narayan Sharma

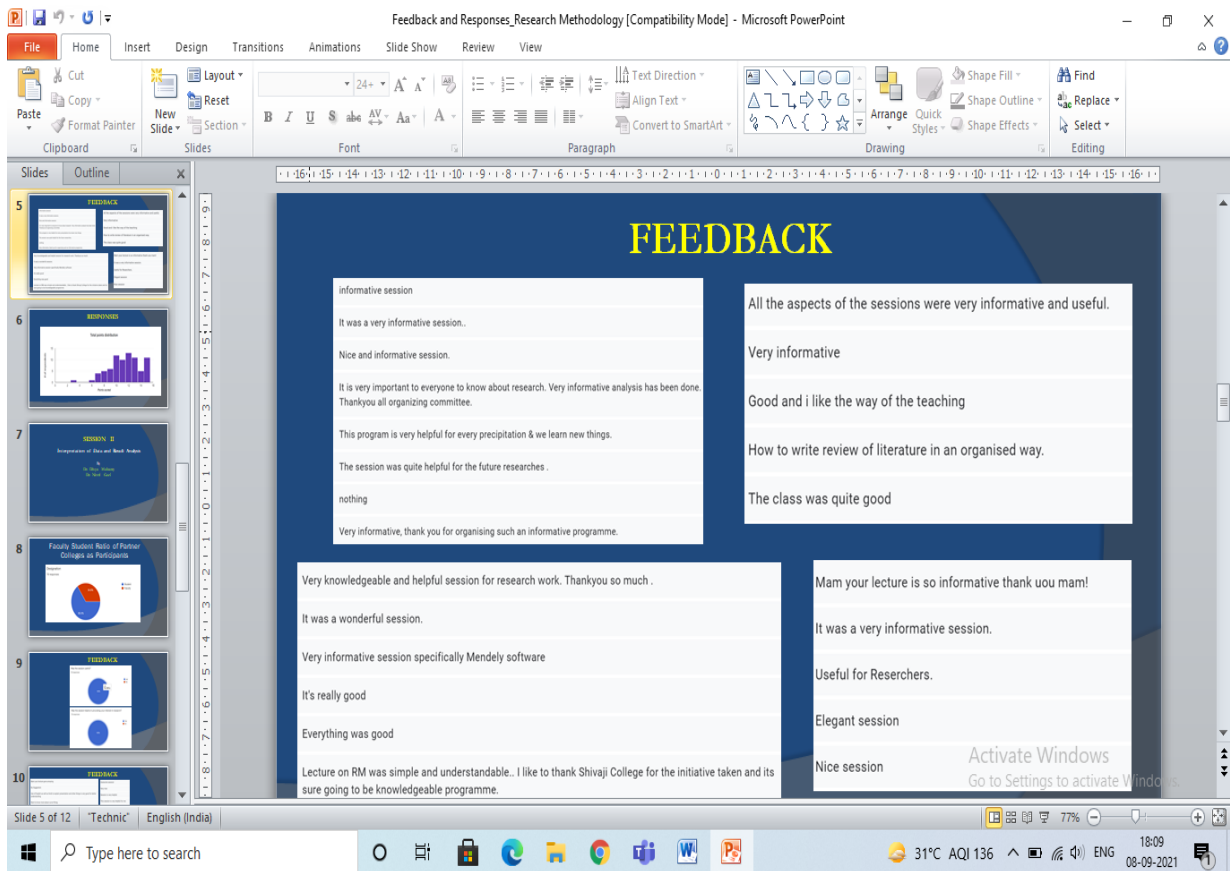
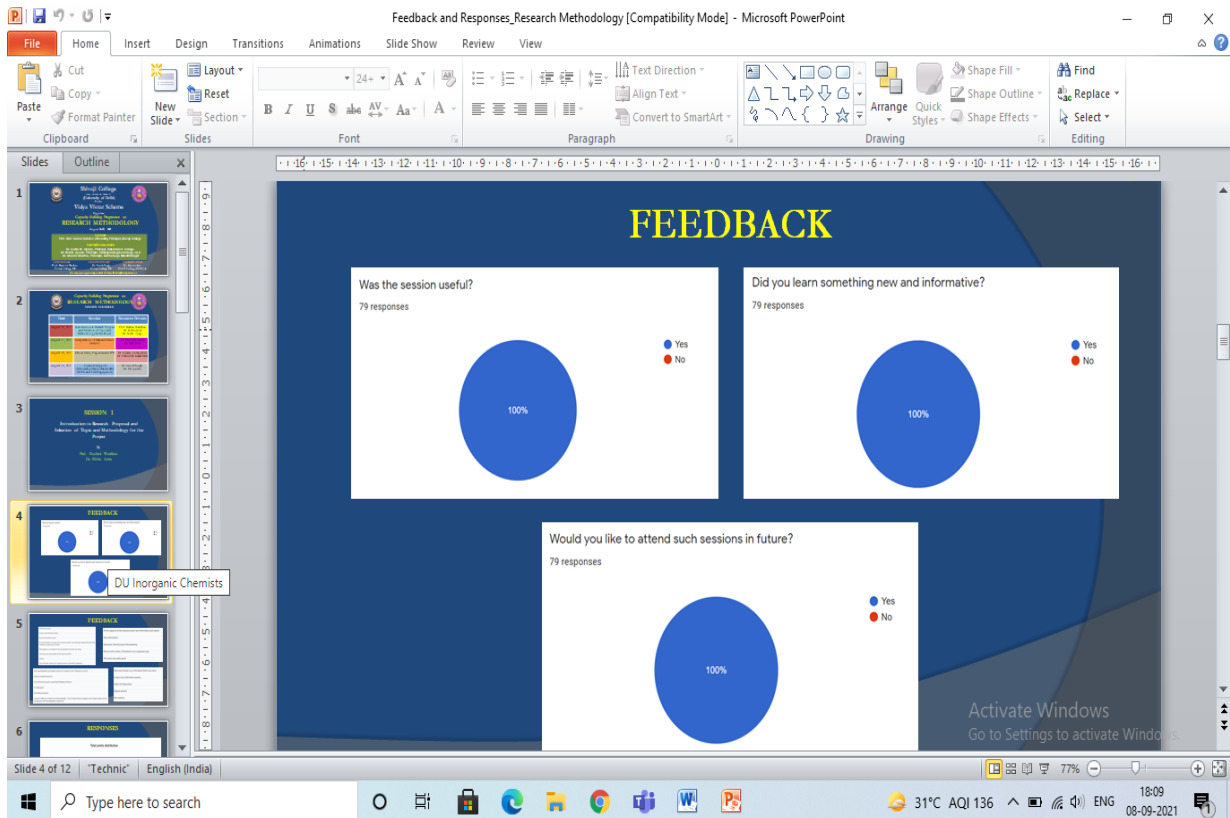
Uzma chowdhary
Uzma chowdhary

Vanshika sharma
Vanshika sharma

Masood Azhar
Masood Azhar

Type here to search | 16:42 29-08-2021

Feedback



Feedback and Responses_Research Methodology [Compatibility Mode] - Microsoft PowerPoint

File Home Insert Design Transitions Animations Slide Show Review View

Clipboard Font Paragraph Drawing Editing

Slides Outline

8 Faculty Student Ratio of Partner Colleges in Patlipatana

9 FEEDBACK

10 FEEDBACK

11 FEEDBACK

12 RESPONSES

FEEDBACK

Was the session useful?
78 responses

100%
yes 78 (100%)

● Yes
● No

Was the session helpful in provoking your interest in research?
78 responses

100%

● Yes
● No

Activate Windows
Go to Settings to activate Windows.

Slide 9 of 12 | 'Technic' | English (India) | 77% | 18:10 08-09-2021

From dechen ongmu to Everyone:

Hello.. this is Dechen Ongmu , faculty of Sikki Government College Burtuk.. got refreshed with vast knowledge of Research Methodology.. Thank you organising team and coordinator for enlightening me as well as students through different sessions.. truly acknowledge.. best wishes and God bless all of us..

From Sabita Tamang to Everyone:

This is Dr.Sabita Tamang from SGC, Burtuk.All the sessions was Useful for the students and Scholars. Yes, definately broke the language barrier this makes session more fruitful for Hindi medium participants. I am benefitted in the topic plagiarism, citations & funding. Organizing members are energetic. Overall workshop was systematic. Hope to attend another program. Many congratulations to organizing committe.

You tube links:

Session 1: <https://www.youtube.com/watch?v=IkJkeGWGPrk>

Session 2: https://www.youtube.com/watch?v=RigeC_sajjc

Session 3: <https://www.youtube.com/watch?v=ODNOjC6rHXc>

Session 4: <https://www.youtube.com/watch?v=3oKKYI6DnmE>