REPORT

on

One Week Online Faculty Development Program

on

"Enhancing Research Quality: Qualitative Data Analysis and Insight in Social Science and Multidisciplinary Approaches"

(24th Feb 2025 - 01st March 2025)

K.R. MANGALAM UNIVERSITY, GURUGRAM

INTRODUCTION

One Week Faculty Development Program on "**Enhancing Research Quality: Qualitative Data Analysis and Insight in Social Science and Multidisciplinary Approaches**", Jointly Organized by School of Humanities, IQAC, K.R. Mangalam University, Gurugram, Haryana in association with RSP Research Hub, Coimbatore, Tamil Nadu, India., held successfully on **24th Feb - 01st Mar 2025**. No. of registered Participants, 106 in 18 States, from 22 reputed universities and 45 colleges, participated in this FDP. The objective of this Faculty Development Program (FDP) is to Enhancing research quality in social sciences and multidisciplinary studies requires a robust approach to qualitative data analysis. This involves systematic coding, thematic analysis, and interpretation to uncover meaningful insights from complex data. Researchers employ various techniques such as content analysis, discourse analysis, and narrative analysis to examine diverse sources, including interviews, focus groups, and textual documents. Advanced software tools like NVivo, Atlas.ti, and MAXQDA facilitate efficient data organization and analysis. Triangulation, which integrates multiple data collection methods, strengthens the credibility of findings. Reflexivity is essential to ensure objectivity and acknowledge researcher biases. Grounded theory helps in developing theories based on real-world observations, while ethnographic methods offer deep, contextual insights into human behavior.

During the FDP, Resource Persons Were Dr. S. Aarif Ahamed, Assistant Professor Senior Scale, Presidency University, Bengaluru, Dr. Amitava Choudhury, Assistant Professor, Department of Computer Science and Engineering, Pandit Deendayal Energy University, Gandhinagar, India.

Dr. Sudhanshu Maheshwari, Assistant Professor at SPJIMR, Mumbai., Dr. R. Sujithra, Assistant Professor, School of Computer Science and Engineering, VIT Chennai, India, Dr. Ananth Ananthapadmanabhan, Assistant Professor, Indian Institute of Information Technology Kottayam.

The session Topics are **Day 01:** Introduction to Qualitative Research & Data Collection Methods, **Day 02:** Data Organization, Coding, and Thematic Analysis, **Day 03:** Qualitative Data Interpretation & Software Tools (NVivo, ATLAS.ti), **Day 04:** Case Study Research & Grounded Theory Approach, and **Day 05:** Writing & Presenting Qualitative Research Findings.

05 oral sessions were successfully conducted through a online mode, thanks to the joint efforts of the resource persons and committee members. Several recent trending topics were discussed during these sessions. The test has been conducted for all participants on Day 6 (01.03.25). The top 10 participants were selected based on the highest scores in the quiz related to the one-week sessions. Finally, we would like to thank the RSP Research Hub. We strongly believe that the participants of the FDP on Enhancing Research Quality: Qualitative Data Analysis and Insight in Social Science and Multidisciplinary Approaches - 2025, had a wonderful and fruitful experience during the FDP.

Day-wise Report of the Sessions Conducted

Day 1 (24-02-2025)

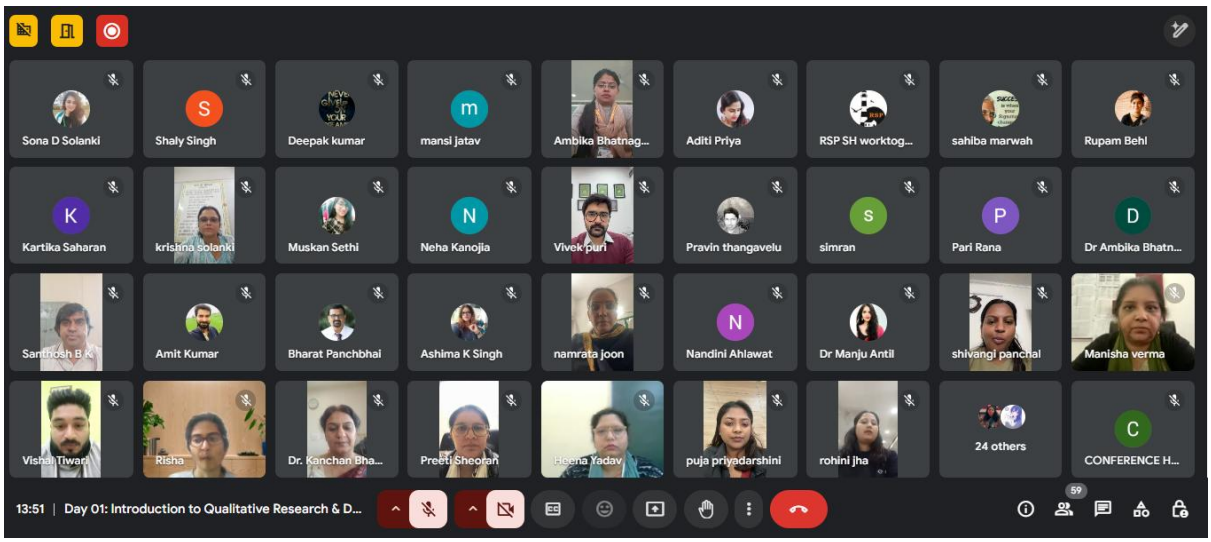
i) Inaugural Session:

The **Faculty Development Programme (FDP)** on **"Enhancing Research Quality: Qualitative Data Analysis and Insight in Social Sciences and Multidisciplinary Approaches"** commenced on **February 24, 2025**, with a prestigious **inaugural session** led by the **Honourable Vice Chancellor, K R Mangalam University, Prof. (Dr.) Raghuvir Singh.**

In his address, **He** highlighted the **significance of qualitative research** in understanding complex social phenomena and its growing role in interdisciplinary studies. He encouraged faculty members to adopt **rigorous research methodologies** and leverage qualitative approaches to enhance academic contributions.



Photo 1: Prof. Raghuvir Singh during his Inaugural Speech in the FDP on **Enhancing Research Quality: Qualitative Data Analysis and Insight in Social Sciences and Multidisciplinary Approaches**



Group Photograph of Inaugural Session



ii) Technical Session



Speaker: Dr. S. Aarif Ahamed
Assistant Professor Senior Scale, Presidency University, Bengaluru, India
Topic: Introduction to Qualitative Research & Data Collection Methods

The first session of the FDP was conducted by **Dr. S. Aarif Ahamed, Ph.D., NIT Puducherry, Assistant Professor Senior Scale, Presidency University, Bengaluru.** Dr. Ahamed provided an insightful introduction to **qualitative research**, explaining its **philosophical underpinnings, methodological approaches, and practical applications.** Qualitative research is a systematic approach used to explore and understand human experiences, behaviors, and social phenomena. It focuses on non-numerical data, such as interviews, observations, and textual analysis, to gain in-depth insights. Unlike quantitative research, which emphasizes numerical measurement and statistical analysis, qualitative research seeks to uncover underlying meanings, patterns, and perspectives. Data collection methods in qualitative research include in-depth interviews, focus group discussions, participant observations, and document analysis. These methods enable researchers to capture rich, descriptive data that reflect participants' lived experiences. Additionally, tools like open-ended surveys, case studies, and ethnographic research help in understanding cultural and social contexts. Ensuring credibility in qualitative research requires techniques such as triangulation, reflexivity, and member checking. Overall, qualitative research provides a flexible and holistic approach to studying complex social issues, making it a valuable methodology across various disciplines.

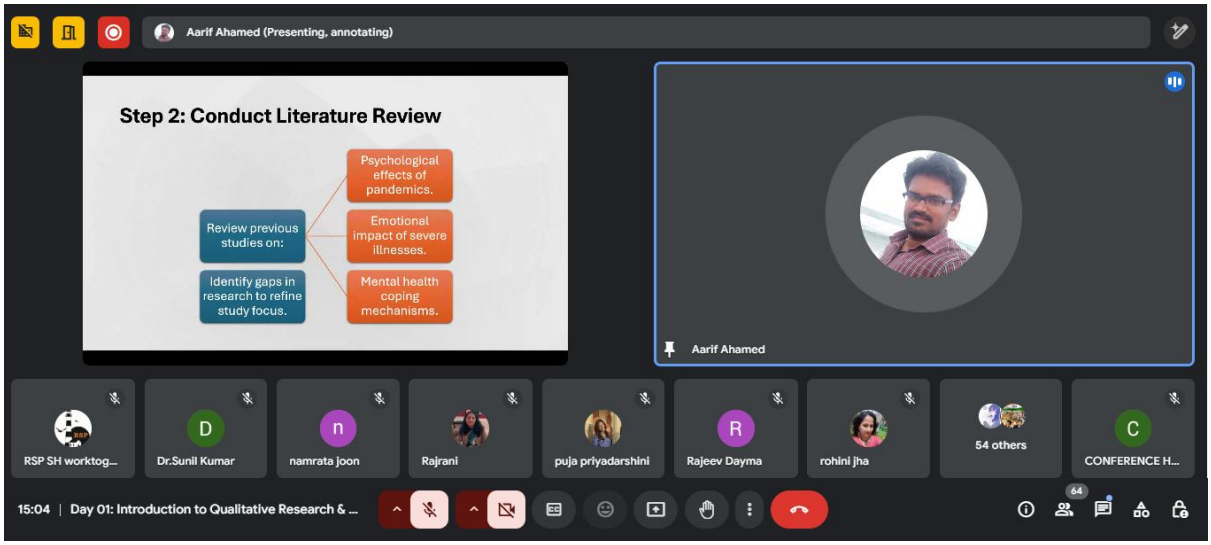
This session offers insights into
• Fundamentals of Qualitative Research – Understanding its significance, principles, and applications across disciplines.
• Qualitative Data Collection Methods – Exploring interviews, focus groups, observations, and document analysis.
• Data Analysis Techniques – Learning thematic analysis, coding, and interpretation strategies.
• Ensuring Research Credibility – Applying triangulation, reflexivity, and validation techniques.

• Practical Tools & Software – Utilizing NVivo, Atlas.ti, and MAXQDA for efficient qualitative data management.





Dr. S. Aarif Ahamed (Resource Person) taking his session during the technical session of first Day



Participants posing

for the photograph after the inaugural session

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Day 2, (25-02-2025)



Dr. Amitava Choudhury

Assistant Professor, Department of Computer Science and Engineering,
Pandit Deendayal Energy University, Gandhinagar, India.

Topic: **Data Organization, Coding, and Thematic Analysis**

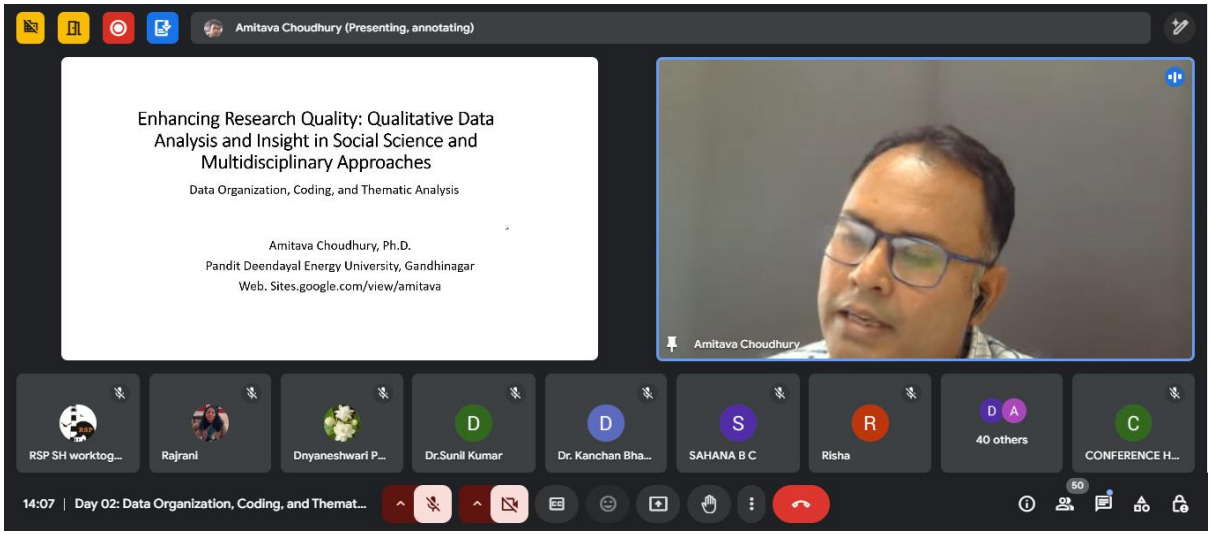
On the second day of the Faculty Development Programme, the session titled "Data Organisation, Coding and Thematic Analysis" provided an in-depth exploration into the systematic handling of qualitative data, proving to be a pivotal learning experience for the participants. The session, led by Dr. Amitava Choudhury, Assistant Professor at the Department of Computer Science and Engineering, Pandit Deendayal Energy University, Gandhinagar, commenced with a detailed overview of data organisation techniques that are essential for ensuring accuracy and reproducibility in research. Effective data organization, coding, and thematic analysis are essential steps in qualitative research to derive meaningful insights. Data organization begins with systematically managing raw data, such as interview transcripts, field notes, and documents, ensuring easy retrieval and reference. Coding involves labelling key segments of data with descriptive tags to identify patterns and recurring themes. Researchers use open coding to generate initial categories, axial coding to establish relationships between categories, and selective coding to refine themes into a coherent narrative. Thematic analysis further refines these codes by identifying overarching themes that provide a deeper understanding of the research question. Using qualitative data analysis software like NVivo, Atlas.ti, or MAXQDA can streamline the coding process and enhance accuracy. Maintaining consistency and reflexivity throughout the analysis ensures the reliability and validity of findings. Ultimately, a well-structured approach to data organization, coding, and thematic analysis helps researchers uncover rich, context-driven insights for impactful conclusions.

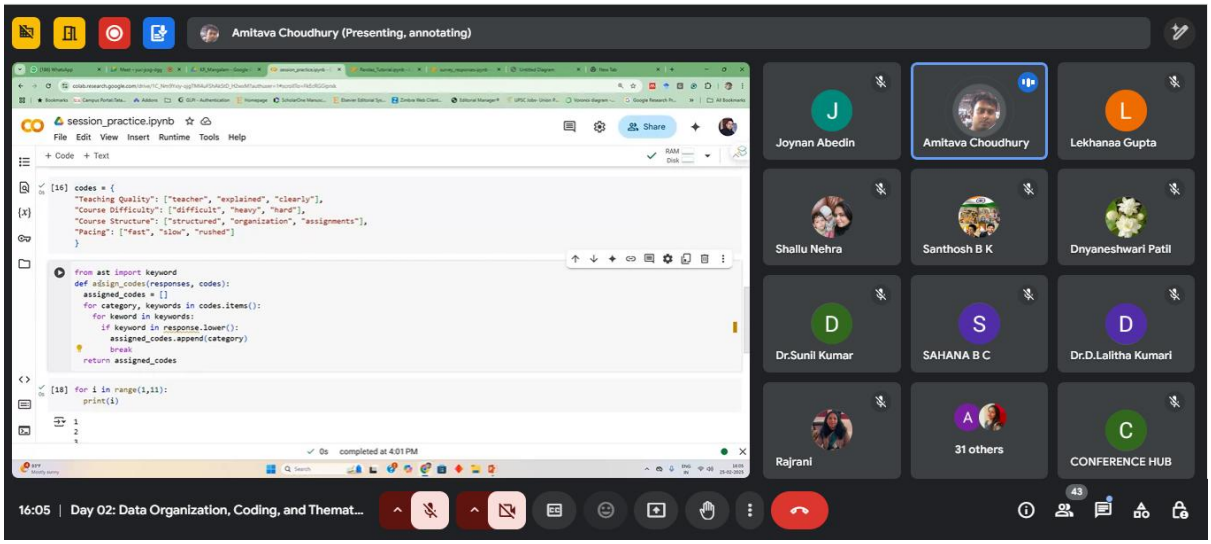
This session offers insights into

- Effective Data Organization – Strategies for systematically managing qualitative data for easy access and analysis.
- Qualitative Coding Techniques – Understanding open, axial, and selective coding to identify key patterns.
- Thematic Analysis Methods – Learning how to extract meaningful themes from qualitative data.
- Using Software Tools – Exploring NVivo, Atlas.ti, and MAXQDA for efficient data

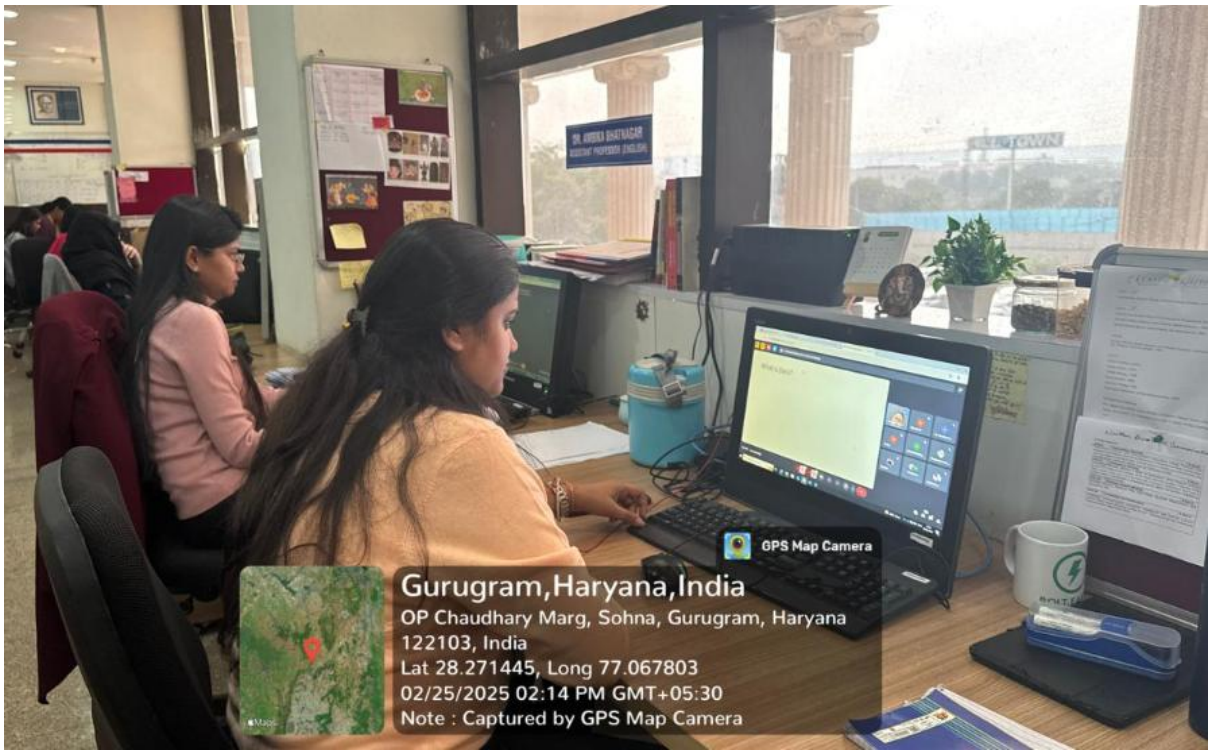
coding and analysis.

- Ensuring Research Rigor – Applying validation techniques like triangulation and reflexivity for credible results.

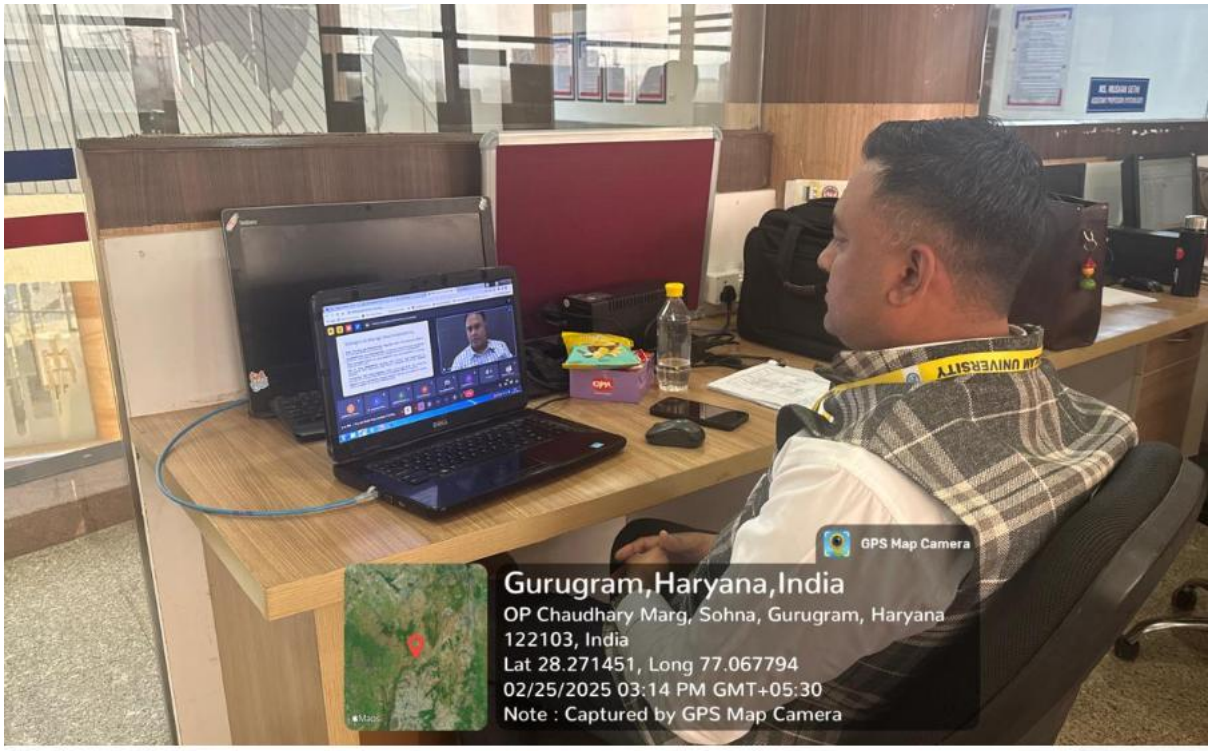




Dr. Amitava Choudhury taking his session on Day two of the FDP



Faculty of SOHS attending the FDP online on 25th Feb 2025



Dr. Salim Ahmad, Assistant Professor, SOHS attending the FDP online mode.

DAY 03 (26.02.2025)



Speaker Dr. Sudhanshu Maheshwari

Assistant Professor at SPJIMR, Mumbai

Topic: Qualitative Data Interpretation & Software Tools (NVivo, ATLAS.ti)

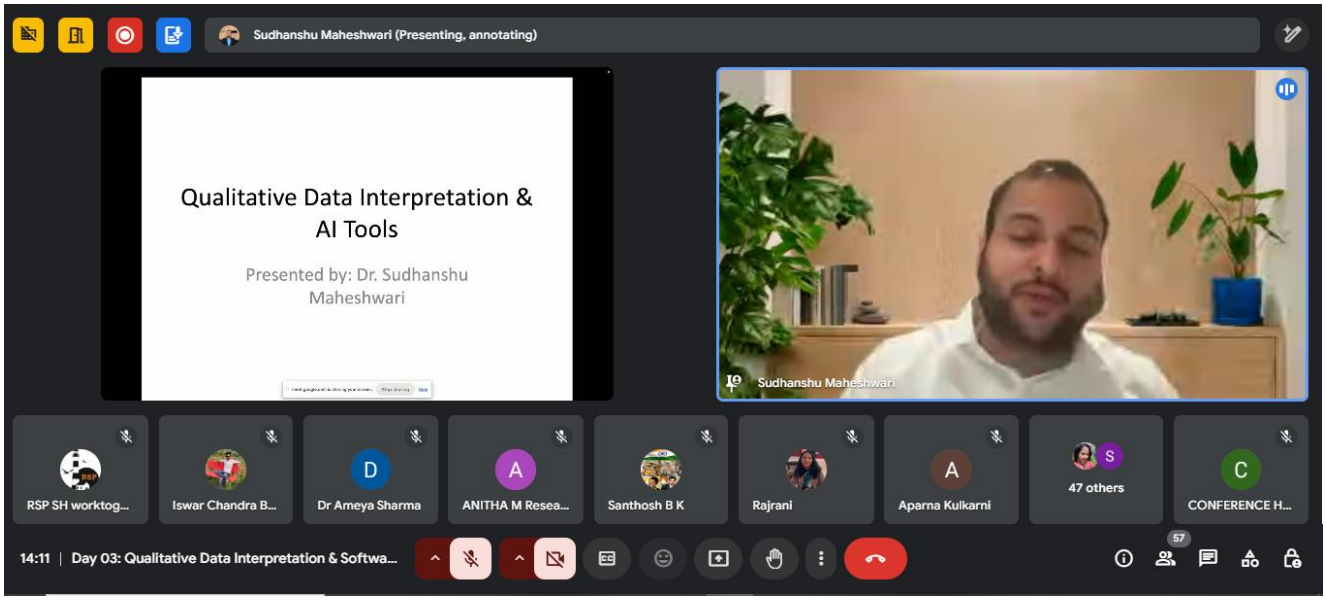
The third day of the Faculty Development Programme focused on **"Qualitative Data Interpretation using AI Tools,"** featuring an insightful session by **Dr. Sudhanshu Maheshwari, Assistant Professor at SPJIMR, Mumbai.** A Ph.D. graduate from IIM Ahmedabad and a SHRM Senior Certified Professional, Dr. Maheshwari provided a comprehensive understanding of the evolving role of **AI-driven tools in qualitative research.**

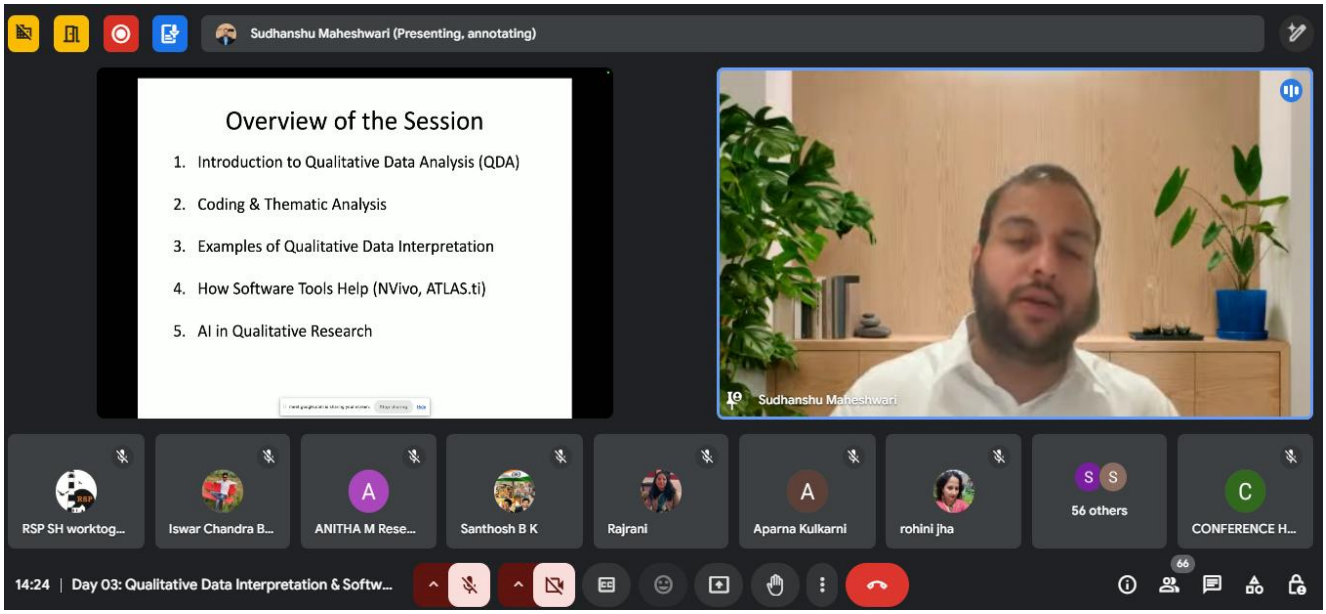
The session began with an overview of **qualitative data interpretation**, emphasizing how AI-powered tools enhance research efficiency, accuracy, and scalability. Dr. Maheshwari introduced various AI-based tools such as **NVivo, ATLAS.ti, and MAXQDA**, demonstrating their capabilities in **data coding, theme identification, sentiment analysis, and text mining.** He explained how these tools streamline the analysis of large textual datasets, enabling researchers to identify patterns and correlations with greater precision.

Qualitative data interpretation involves analyzing patterns, themes, and meanings within collected data to generate meaningful insights. It requires a systematic approach to identifying relationships, drawing conclusions, and ensuring credibility through techniques like triangulation and reflexivity. Researchers often use qualitative data analysis software such as NVivo and ATLAS.ti to streamline this process. These tools help in organizing large datasets, coding textual and multimedia data, visualizing connections, and generating reports efficiently. NVivo supports advanced queries, sentiment analysis, and data integration, making it useful for complex research projects. ATLAS.ti offers intuitive features like network visualizations, AI-driven coding assistance, and collaborative analysis, enhancing the interpretative process. By leveraging these tools, researchers can improve the accuracy, efficiency, and depth of qualitative research, ensuring reliable and impactful findings.

This session offers insights into

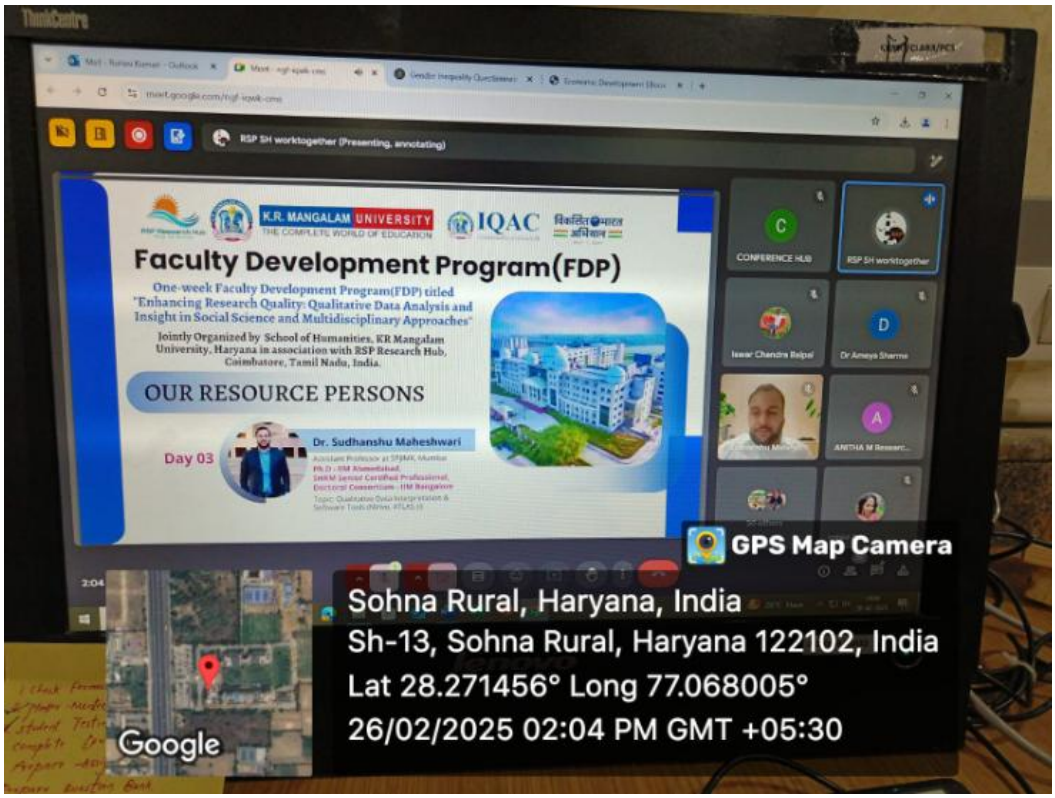
- Principles of Qualitative Data Interpretation – Understanding patterns, themes, and meaning extraction.
- Techniques for Data Analysis – Applying coding, thematic analysis, and triangulation for deeper insights.
- Introduction to NVivo and ATLAS.ti – Exploring features and functionalities for qualitative research.
- Practical Application of Software Tools – Learning how to organize, code, and visualize data efficiently.
- Enhancing Research Rigor – Using digital tools to improve accuracy, reliability, and collaboration in qualitative analysis.
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Screenshots of the day three session taken by **Dr. Sudhanshu Maheshwari, Assistant Professor at SPJIMR, Mumbai**





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Faculty of SOHS

attending the FDP online on 26th Feb 2025

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DAY 04

(27.03.2025)



Speaker: Dr. R. Sujithra

Assistant Professor School of Computer Science and Engineering, VIT Chennai, India

Topic: Case Study Research & Grounded Theory Approach

The fourth day of the **Faculty Development Programme (FDP)** focused on **"Case Study Research & Grounded Theory Approach,"** led by **Dr. R. Sujithra, Assistant Professor, School of Computer Science and Engineering, VIT Chennai.** The session provided an in-depth understanding of these qualitative research methodologies, emphasizing their application in multidisciplinary studies.

Dr. Sujithra began by explaining the **fundamentals of case study research**, discussing its significance in **real-world problem analysis, contextual understanding, and theory development.** She elaborated on different types of case studies—**exploratory, explanatory, and descriptive**—and their relevance across various research domains. The session then transitioned into the **Grounded Theory Approach**, highlighting how it allows researchers to develop theories directly from data rather than relying on pre-existing models.

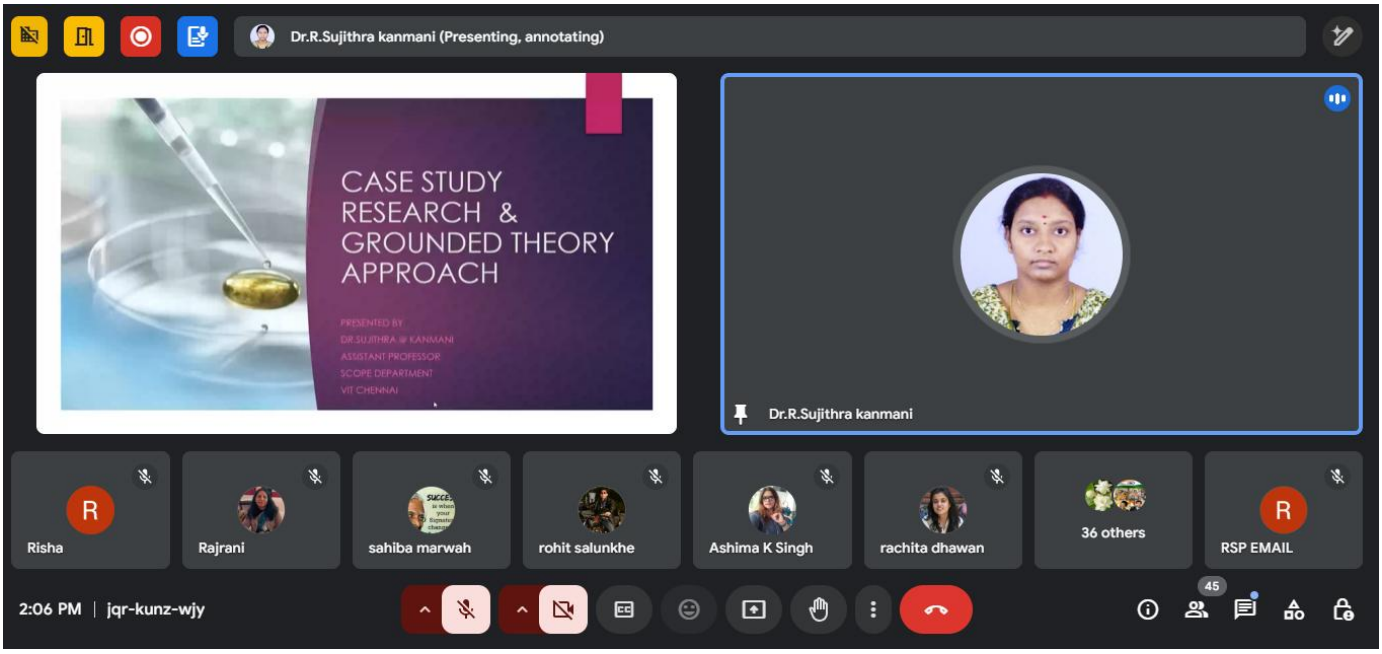
Case study research and the grounded theory approach are two essential methodologies in qualitative research, each serving distinct purposes. **Case study research** involves an in-depth examination of a specific case, event, organization, or individual to explore complex issues in real-world contexts. It employs multiple data collection methods, such as interviews, observations, and document analysis, to develop a holistic understanding. Case studies can be exploratory, explanatory, or descriptive, making them valuable across disciplines like social sciences, business, and healthcare.On the other hand, the **grounded theory approach** is a systematic methodology used to develop theories based on real-world data rather than existing hypotheses.

This session offers insights into

- Understanding Case Study Research – Exploring its purpose, types, and real-world applications.
- Data Collection in Case Studies – Utilizing interviews, observations, and document analysis for in-depth exploration.
- Grounded Theory Approach – Learning how to develop theories from real-world qualitative data.
- Coding and Analysis Techniques – Applying open, axial, and selective coding for

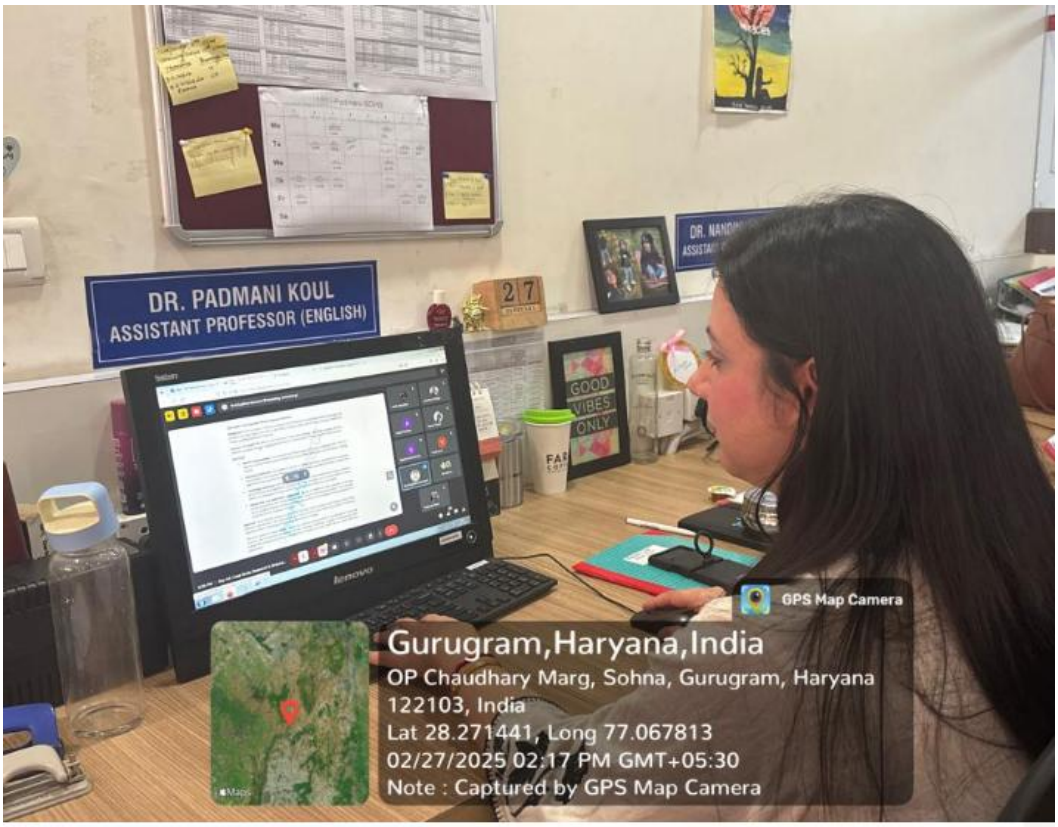
data-driven insights.

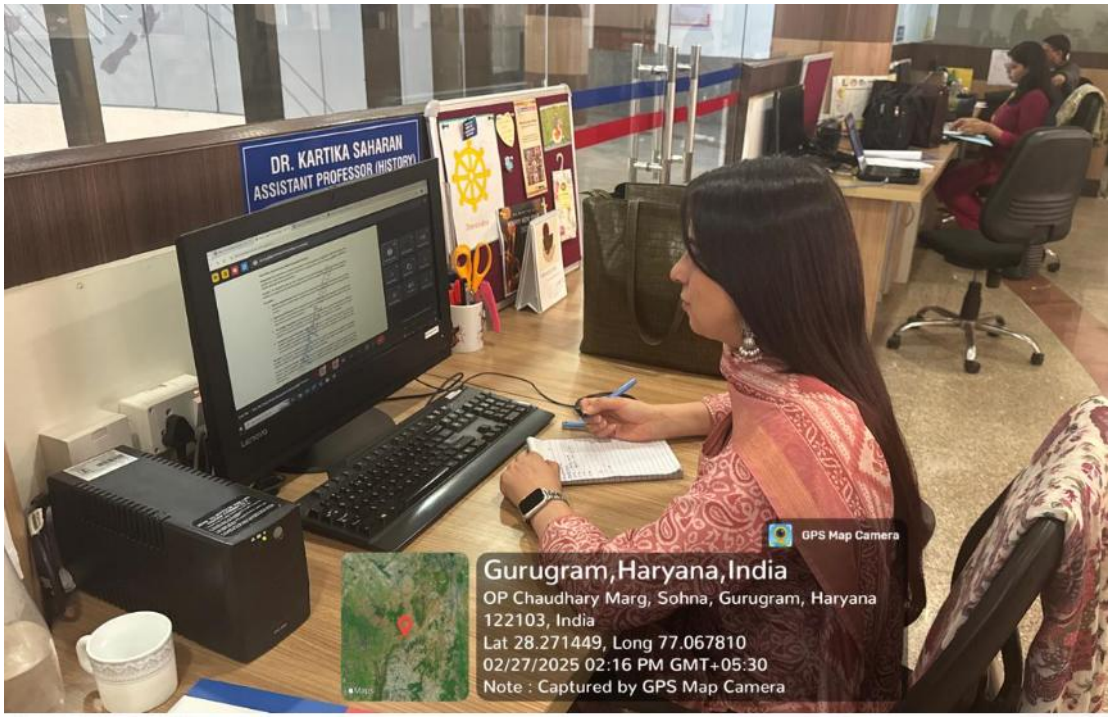
- Enhancing Research Validity – Using systematic methodologies to ensure credibility and rigor in qualitative research.





Screenshots of Day 4 Technical Session held on 27th Feb 2025


DR. PADMANI KOUL
ASSISTANT PROFESSOR (ENGLISH)
GOOD VIBES ONLY
GPS Map Camera
Gurugram,Haryana,India
OP Chaudhary Marg, Sohna, Gurugram, Haryana 122103, India
Lat 28.271441, Long 77.067813
02/27/2025 02:17 PM GMT+05:30
Note : Captured by GPS Map Camera



Faculties attending the Session on 4th Day FDP online

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DAY 05

(28.02.2025)



Speaker: Dr. Ananth Ananthapadmanabhan

Assistant Professor at Indian Institute of Information Technology Kottayam

Topic: Writing & Presenting Qualitative Research Findings

The fifth day of the **Faculty Development Programme (FDP)** featured a session on **"Writing & Presenting Qualitative Research Findings,"** conducted by **Dr. Ananth Ananthapadmanabhan, Assistant Professor at IIIT Kottayam.** The session aimed to equip participants with skills to effectively communicate qualitative research findings while ensuring academic integrity. Effectively writing and presenting qualitative research findings is crucial for conveying insights in a clear and impactful manner. The process involves structuring the research report with key components such as an introduction, methodology, findings, discussion, and conclusion. Researchers should focus on **storytelling techniques**, integrating direct quotes, themes, and real-world examples to illustrate their findings vividly. A balance between descriptive narratives and analytical interpretation is essential to provide depth and context. When presenting qualitative research, using **visual aids** like thematic maps, word clouds, and coding frameworks enhances clarity. Tools such as **NVivo, ATLAS.ti, and MAXQDA** help organize data for better visualization and reporting. Researchers must also ensure transparency in their analysis by discussing limitations and maintaining reflexivity. Whether in academic papers, reports, or conferences, a well-structured presentation of qualitative findings strengthens the credibility and impact of the research.

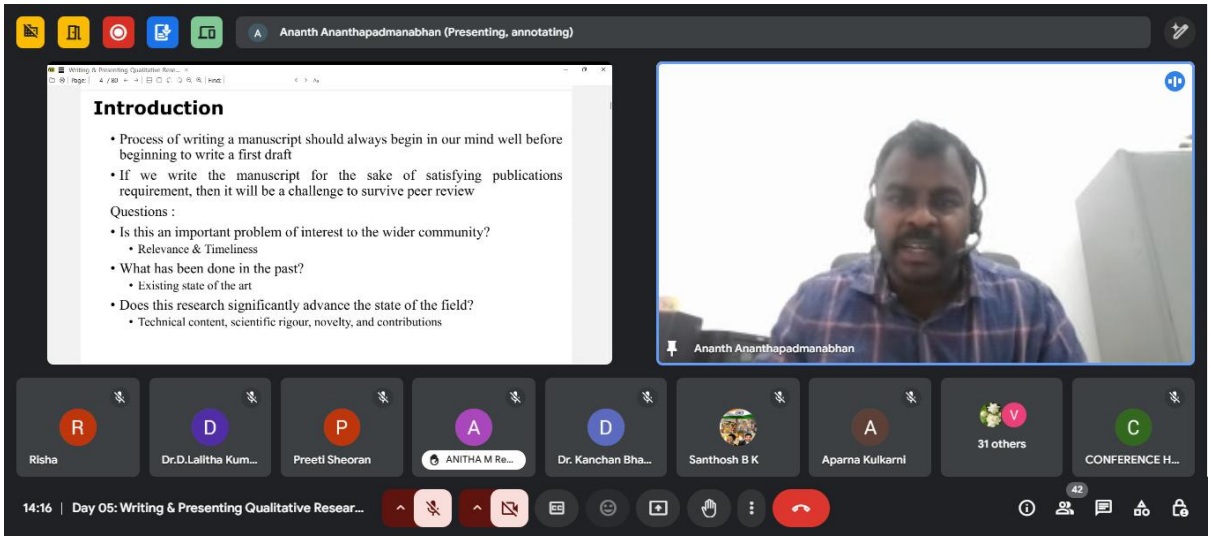
This session offers insights into

- Structuring a Qualitative Research Report – Organizing key sections like introduction, methodology, findings, and discussion.
- Effective Storytelling Techniques – Presenting qualitative data with narratives, direct quotes, and thematic descriptions.
- Using Visual Aids – Enhancing presentations with thematic maps, word clouds, and coding frameworks.
- Tools for Data Presentation – Leveraging NVivo, ATLAS.ti, and MAXQDA for organizing and visualizing qualitative data.
- Ensuring Research Transparency – Addressing limitations, maintaining reflexivity,

and

enhancing credibility in reporting findings.





Speaker **Dr. Ananth Ananthapadmanabhan, Assistant Professor at IIIT Kottayam taking his session on 5th Day of the FDP online.**

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Day-06 (01.03.2025)

Valedictory Ceremony

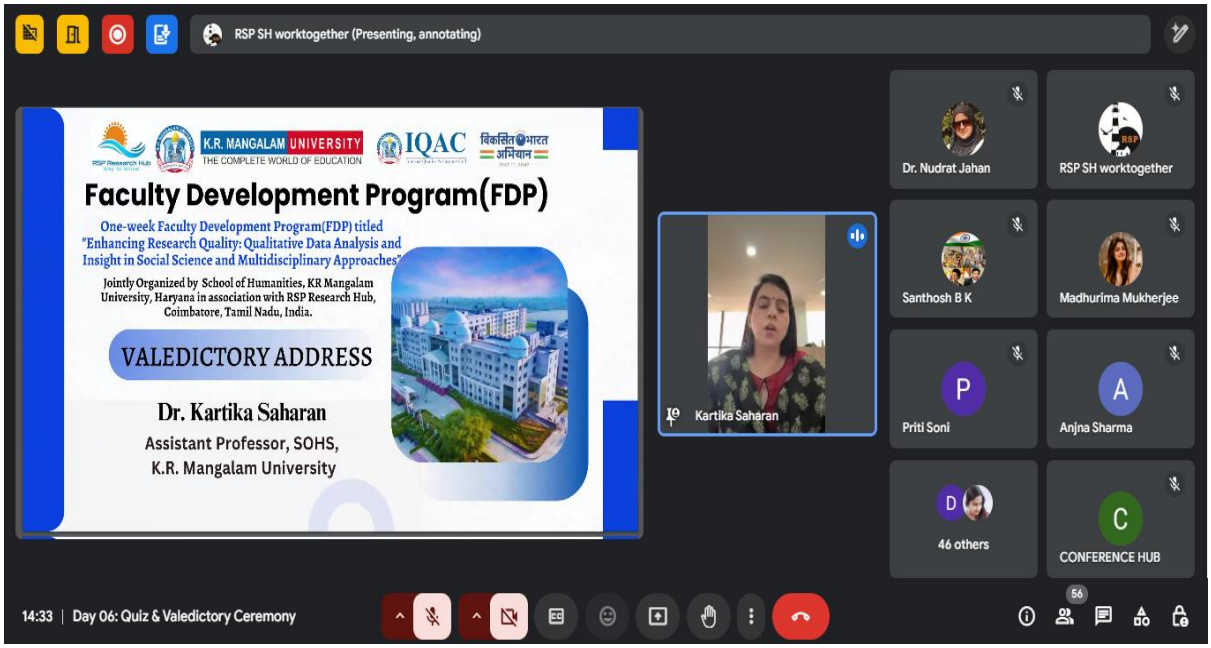
The final day of the **Faculty Development Programme (FDP)**, organized by the **School of Humanities**, marked a successful conclusion to an enriching week of learning. The day featured a **quiz competition**, engaging participants in an interactive assessment of their understanding of qualitative research methodologies covered throughout the programme. The **top 10 quiz winners** were announced during the session, recognizing their excellence and active participation.

The **valedictory session** was delivered by **Dr. Kartika Saharan, Assistant Professor, School of Humanities**, who highlighted the key takeaways from the FDP, emphasizing the importance of qualitative research skills and interdisciplinary approaches in academia. She commended the participants for their enthusiasm and commitment to enhancing research quality.

Following this, **Dr. Nudrat Jahan, Associate Professor and Coordinator, School of Humanities**, delivered the **vote of thanks**, expressing gratitude to the **distinguished speakers, organizing committee, and participants** for their valuable contributions. She acknowledged the unwavering **support and guidance of Honorable Vice Chancellor, Prof. Raghubir Singh,** whose vision for academic excellence played a crucial role in the programme's success. She also extended heartfelt appreciation to **Prof. Dr. Tania Gupta, Dean, School of Humanities & Director, IQAC**, for her leadership and continuous encouragement in fostering research-driven initiatives.

The six-day FDP successfully provided faculty members with advanced knowledge and practical skills in **qualitative research, data interpretation, ethical considerations, and publication strategies.** With insightful discussions, hands-on sessions, and expert guidance, the programme empowered participants to enhance their research capabilities and contribute meaningfully to academia.

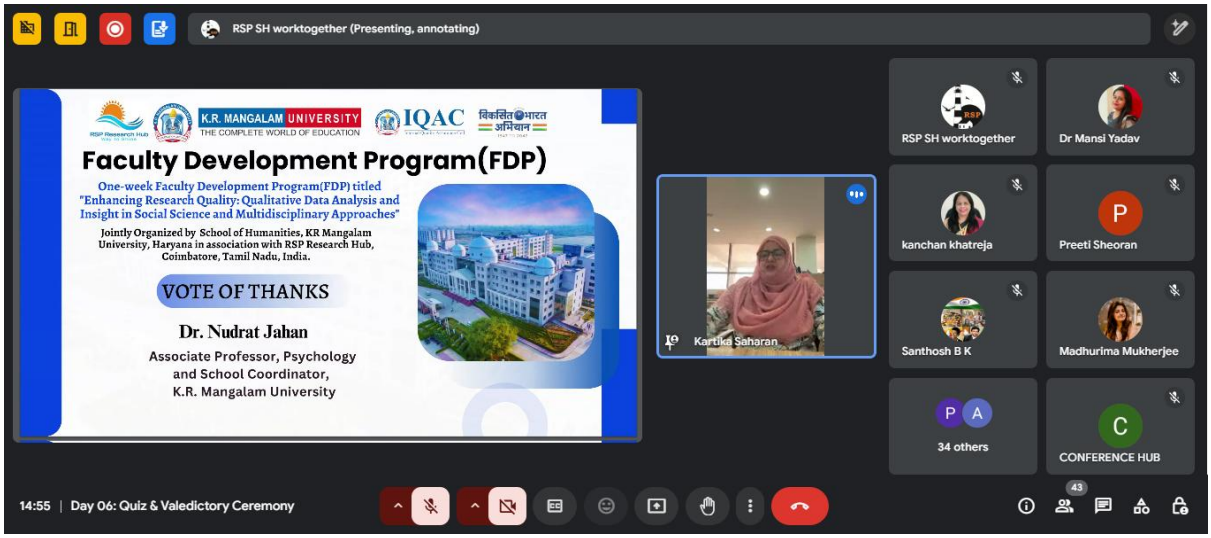

RSP SH worktogether (Presenting, annotating)
K.R. MANGALAM UNIVERSITY
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Faculty Development Program(FDP)
One-week Faculty Development Program(FDP) titled "Enhancing Research Quality: Qualitative Data Analysis and Insight in Social Science and Multidisciplinary Approaches"
Jointly Organized by School of Humanities, KR Mangalam University, Haryana in association with RSP Research Hub, Coimbatore, Tamil Nadu, India.
WELCOME
VALEDICTORY CEREMONY
Date : 01st March, 2025
Dr. Nudrat Jahan
Santhosh B K
RSP SH worktogeth...
Kartika Saharan
Madhurima Mukher...
Priti Soni
Anjna Sharma
Dr.D.Lalitha Kumari
Aditi Priya
rohini jha
Sanjaya kumar Sahu
Submitted
14:32 | Day 06: Quiz & Valedictory Ceremony



Dr. Kartika Saharan, Assistant Professor, SOHS giving valedictory speech during the final day of FDP.



Faculty of SOHS attending the Valedictory Session of the FDP



Dr. Nudrat Jahan, School Coordinator, SOHS during the Vote of Thanks Ceremony of the FDP


RSP SH worktogether (Presenting, annotating)
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FEEDBACK RATINGS
Dr. S. Aarif Ahamed 4.5
Dr. Amitava Choudhury 4.5
Dr. Sudhanshu Maheshwari 4.6
Dr. R. Sujithra 4.5
Dr. Ananth Ananthapadmanabhan 4.7
KR Mangalam University & RSP Research Hub 4.7
RSP SH worktogeth...
Kartika Saharan
Dr. Nudrat Jahan
Santhosh B K
rohini jha
Madhurima Mukhe...
Priti Soni
Anjna Sharma
Dr.D.Lalitha Kumari
Aditi Priya
41 others
CONFERENCE HUB
14:45 | Day 06: Quiz & Valedictory Ceremony


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TOP 10 QUIZ WINNERS THE FDP TEST
• Dr Mansi Yadav
• Preeti Nara
• Tejas H
• Santhosh B K
• Shraddha Mehta
• Rajrani
• Virendrakumar M. Thakkar
• Dr. Madhurima Mukherjee
• Puja Priyadarshini
• Bhanudas Suresh Panchbhai
RSP SH worktogeth...
kanchan khatreja
Kartika Saharan
Dr. Nudrat Jahan
Santhosh B K
Swatti Chauhaan
pooja singh
Madhurima Mukher...
40 others
CONFERENCE HUB
14:49 | Day 06: Quiz & Valedictory Ceremony