



**Institution's Innovation Council  
Saurashtra University Rajkot**

## **RESEARCH METHODOLOGY**

11<sup>th</sup> February 2025

At

Seminar Room, Department of Pharmacy  
Saurashtra University, Rajkot

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## Saurashtra University – IIC

The university is dedicated to instruction, research, and extending knowledge to the public (public service). Ministry of Education (MoE), Govt. of India has established 'MoE's Innovation Cell (MIC)' to systematically foster the culture of Innovation among all Higher Education Institutions (HEIs). The primary mandate of MIC is to encourage, inspire and nurture young students by supporting them to work with new ideas and transform them into prototypes while they are informative years. Saurashtra University is one the Organization that have constituted the IIC to foster the vision of MoE and be a part for the promotion and development of innovation ecosystem.

### Event Schedule

<b>3:00</b>	<b>Registration Time</b>
<b>3:05</b>	Welcome
<b>3:10</b>	Awareness session on Research Methodology by Dr. Jyoti Ka. Patel
<b>4:55</b>	Programme Feedback - Conclusion
<b>5:00</b>	Closing Ceremony

### Event Registration Link

[bit.ly/SUSEC-RM25](https://bit.ly/SUSEC-RM25)

## Brief about Event

The Department of Social Work in collaboration with IIC Saurashtra University organized a seminar on "Research Methodology" on Tuesday, 11 February 2025 from 3:00 pm to 5:00 pm.

The awareness session on Research Methodology explained by Dr. Jyoti Ka. Patel Madam referred to the systematic process used by researchers to collect, analyze and interpret data to answer research questions or solve problems. It includes the principles, tools, techniques and approaches used during the research process, which ensures reliability, validity and ethical integrity. A well-defined methodology is essential to produce reliable and accurate results.

Referenced a research blueprint, which outlines the approach, methods, and procedures for data collection and analysis. Focused on understanding meaning, experiences, and patterns (e.g., interviews, case studies). Involved numerical data and statistical analysis to test hypotheses or explore relationships (e.g., surveys, experiments).

Aims to describe the characteristics of a phenomenon or a population. Used when little is known about the subject, and the goal is to explore potential relationships or variables. Involves manipulating one or more variables to observe effects, often used to determine cause and effect.

In-depth, often one-on-one discussions to explore perceptions and experiences. Recording behaviors or events as they naturally occur. Controlled studies to test hypotheses through manipulation of variables. Ensures every member of the population has an equal chance of being selected. Divides the population into subgroups and samples from each subgroup. Selecting participants based on ease of access or availability. Involves thematic coding, content analysis, or narrative analysis to interpret non-numeric data.

Uses statistical techniques like regression, correlation, and hypothesis testing to analyze numeric data. Ensuring participants are aware of the research and consent to participate. Safeguarding participant data to protect privacy. Ensuring the research process is objective and fair. Acknowledge any limitations in the methodology, such as sample size, time constraints, or potential biases that could affect results.

This methodology serves as the blueprint for how the research will be conducted and ensures that the findings are reliable, valid, and replicable.

## Key Points

During the session, below mentioned points were discussed:

- Introduction to Research Methodology
- Types of Research
- Research Design
- Literature Review
- Formulating Hypotheses

- Sampling Methods
- Data Collection Methods
- Data Analysis Techniques
- Ethical Considerations
- Reliability and Validity
- Report Writing and Presentation
- Limitations of the Study

## Outcome

Students were well-prepared to undertake their own independent research projects, whether in academic, professional, or entrepreneurial settings, as they applied the methodologies and techniques learned in the course.

The outcomes of the Research Methodology course were vital for students not just for academic purposes but also for real-world problem-solving. With a solid foundation in research methods, students were equipped to contribute meaningfully to their fields, make informed decisions, and engage in continuous learning and improvement throughout their careers. The research process itself was a key skill that fostered intellectual curiosity, critical thinking, and the ability to adapt to evolving questions and challenges.

## About the Speaker/Chief Guest



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Dr. Jyoti Ka. Patel

Assitant Professor and Chairman,

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BOS Social Work Department  
The Cvm University, V.V.Nagar



# Research Methodology

Department of Social Work, in collaboration with IIC Saurashtra University organizes an insightful seminar on

## “Research Methodology”

on Tuesday, 11th February 2025



### Seminar room

Department of social Work  
Saurashtra University  
Rajkot

**Dr. Jyoti Ka. Patel**  
Assistant Professor and  
Chairman, BOS  
Social Work Department  
The CVM University  
V. V. Nagar



### Tuesday

11th February, 2025



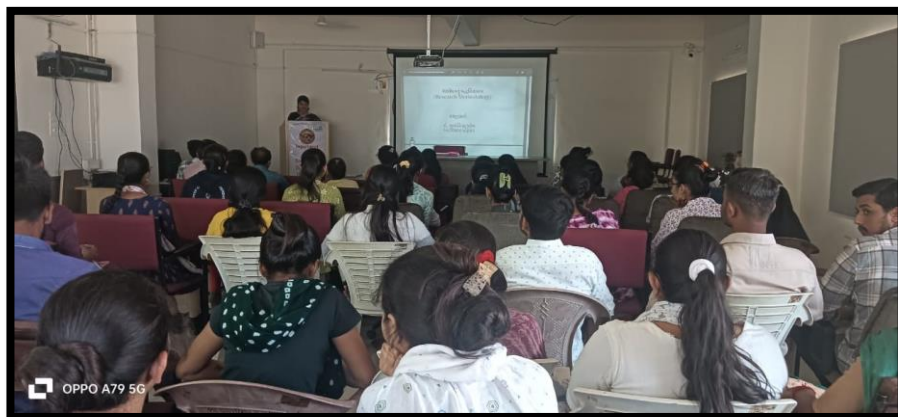
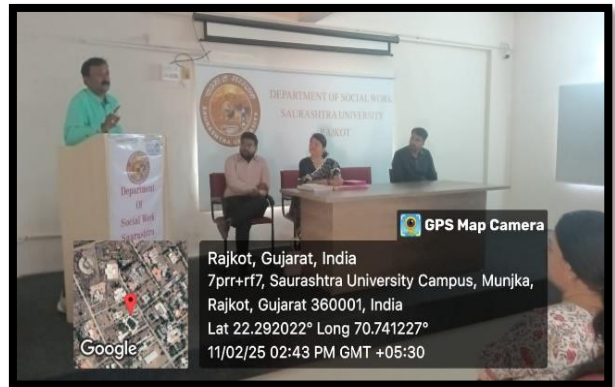
### Time

02:30 PM TO 04:30PM

**JOIN NOW**



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