

## **CCS NIAM Launched Online Certified Course in Research Methodology**

### **Course Objective**

- To equip students with the skills necessary to conduct scientific research effectively.

### **Course Overview**

- Understand how to design studies, collect and analyse data, interpret results, and draw meaningful conclusions.
- Teach ethical research practices and critical thinking skills, enabling students to scrutinise various sources and types of information.
- Cover fundamental concepts in research methodology, such as research design, data collection and analysis, ethical considerations, and writing and publication processes crucial for producing reliable and valid research findings

### **Course USPs**

Enrolled students will get a chance to:

- create research proposals, conduct pilot studies, or analyse case studies.
- utilise online forums or discussion boards to discuss topics, share ideas, and solve problems collaboratively.
- use online quizzes, peer reviews, and regular feedback to assess and enhance student learning.
- access multiple test series on different topics to understand contemporary research methodologies.
- avail revision classes.
- avail live doubt classes once a week to help aspirants clear their doubts.
- The course is mapped with AI and data science use to provide insights into advanced topics and current trends in research.
- Students will get access to live classes for the first time and then recorded content with practice tests attached to every lecture.
- CCS NIAM will conduct the final test for certification approval.

## Course Overview:

Day	Topic	Details
1	Introduction to Research	Overview of research; AI's impact.
2	Defining the Research Problem	Identifying questions; AI tools for problem identification.
3	Literature Review	Effective search strategies; AI-driven tools.
4	Research Design	Types of designs; AI's role.
5	Sampling Techniques	Methods; AI applications in sampling.
6	Data Collection Methods	Traditional vs. AI-enhanced methods.
7	Data Analysis - Quantitative	Statistical methods; AI algorithms.
8	Data Analysis - Qualitative	Thematic analysis; AI tools for data.
9	Research Ethics	Considerations in research; AI and ethics.
10	Writing Research Proposals	Proposal structure; AI writing tools.
11	AI in Research Simulation	Practical AI session; case study analysis.
12	Data Visualization	Techniques and tools; AI-enhanced visualization.
13	Publishing Research Findings	Selecting platforms; AI in manuscript preparation.
14	Peer Review and Feedback	The peer review process; AI for feedback.
15	Future Trends in AI-driven Research	Emerging technologies; preparing for AI advancements.

Click Here for online Registration- <https://www.class24.study/check-out/MTcyOTMyMDUxOXw1NDI>

About Research Methodology-Link The video