

Research Methodology: Qualitative Methods in Science & Mathematics Education Research

Course Code: SCE111.2

Instructor: Dr. Meena Kharatmal

Credits: 2

Course Outcome:

Sr. No.	On completing the course students will be able to
CO 1	Understand: Core concepts of qualitative methodology, paradigms, theoretical frameworks
CO 2	Practice: Administer interviews/observations and manage artifacts using instruments
CO 3	Analyze: Code data, build a codebook, and generate themes
CO 4	Interpret: Connect themes to framework, research questions, articulate implications for teaching and learning
CO5	Create: Write a qualitative study report based on proto-research and present it
CO6	Apply tools: Use of software and AI responsibly with data-safety protocols