

**Research Methodology: Qualitative & Quantitative Methods in Science & Mathematics
Education Research**

Course Code: SCE102.2

Instructors: Dr. Durgaprasad Karnam and Prof. Aniket Sule

Credits: 4

Course Outcomes:

Sr. No.	On completing the course students will be able to
CO 1	Students will be able to appreciate the importance of a method in doing Scientific research
CO 2	Students will be able to identify the most appropriate methodology from a diverse set of methods for their research studies
CO 3	Students will be able to develop various tools and analysis approaches necessary for their research studies
CO 4	Students will be able to design studies incorporating the diverse considerations of rigour (reliability, validity, statistical significance, generalizability, ethical aspects, etc.)