



Sub Committee for Curriculum Development
QS& A Specialization

Course Name: Research Methodology

Course Code: T2225

(UG/PG): PG

Number of Credits: 02

Course No. QS&A P 12

Level: 04

Learning Objective(s):

1. To enable students comprehend research issues
2. To enable students to identify research questions and formulate research hypothesis
3. To equip students with various techniques of research design and data collection
4. To enable students to synthesize qualitative and quantitative data crunching techniques

Pedagogy:

1. Cases
2. Live Projects

Pre-learning:

Basic Statistics

Course Outline

S.No.	Topic	Hours
01	Introduction to Research <ul style="list-style-type: none">• Types of research• Research Process	04
02	Literature Review <ul style="list-style-type: none">• Traditional Literature review• Systematic Literature Review• Critical Literature review• Grouping variables through Literature review• Primary and Secondary data and exploration	04
03	Theoretical Framework and Hypothesis Formulation <ul style="list-style-type: none">• Direct Linkage Model• Indirect Linkage Model• Control Variable Treatment• Moderating Variables• Mediating Variables• Intervening Variables• Cofounding Variables• Exogenous and Endogenous variables• Formulation of Hypothesis and Research questions	06
04	Research Design <ul style="list-style-type: none">• Types of Research design• Instrument design, Scale formation• Sampling Design• Data Collection methods• Reliability test of Instrument• Validity test of Test of Data	06
05	Data Analysis & Interpretation <ul style="list-style-type: none">• Descriptive Analysis• Normality tests• Outlier tests• Data Reduction• Hypothesis testing	06
06	Referencing <ul style="list-style-type: none">• APA format• Harvard Style• IEEE format• MLA format	02
07	Report Writing	01
08	Ethical Practices in Research <ul style="list-style-type: none">• Plagiarism• Introduction to plagiarism software• Legal, Governmental and other norms	01
	Total	30

Books Recommended

1. Adler, Stier and Clark, How it's done: An Invitation to Social Research
2. Becker, Writing for Social Sciences: How to start and finish your thesis, book, or article
3. Cooper, Schindler, Social Sciences Research Methods:
4. Salkind, Exploring research

Suggested Evaluation Methods:

Projects and written exams

Parallel/Similar courses the existing curriculum:

S.No.	Name of the course	Institute where it was offered
01	Research Methodology	SITM, SIOM, SCMS-P, SSE

Name of Member	Prof. Sandeep Prabhu	Prof. Rameshwar Dubey	Prof. Vani Rajesh	Prof. Ishita Ghosh	
Designation	Assistant Professor				
Org. / Inst.	SITM	SIOM	SCMS (P)	SSE	
Signature					

Name of the Expert: Prof. Asmita Chitnis

Signature:

Date: