

RESEARCH METHODOLOGY			
Course Code	20MBA23	CIE Marks	40
Teaching Hours/Week (L:T:P)	3:0:2	SEE Marks	60
Credits	04	Exam Hours	03
Course Objectives: 1. To understand the basic components of research design. 2. To Gain an insight into the applications of research methods. 3. To equip students with various research analytical tools used in business research. 4. To equip students with necessary critical thinking skills using excel.			
Module-1 Business Research		9 hours	
Business Research: Meaning, types, process of research- management problem, defining the research problem, formulating the research Hypothesis, developing the research proposals, research design formulation, sampling design, planning and collecting the data for research, data analysis and interpretation. Research Application in business decisions, Features of good research study.			
Module -2 Business Research Design		9 hours	
Meaning, types and significance of research design. Exploratory and Conclusive Research Design. Exploratory Research: Meaning, purpose, methods- Literature search, experience survey, focus groups and comprehensive case methods. Conclusive Research Design - Descriptive Research - Meaning, Types – Cross sectional studies and longitudinal studies. Experimental Research Design – Meaning and classification of experimental designs- formal and informal, Pre experimental design, Quasi-experimental design, True experimental design, statistical experimental design.			
Module -3 Sampling		7 hours	
Sampling: Concepts- Types of Sampling - Probability Sampling – simple random sampling, systematic sampling, stratified random sampling, cluster sampling -Non Probability Sampling –convenience sampling-judgemental sampling, snowball sampling- quota sampling - Errors in sampling.			
Module -4 Data Collection		9 hours	
Meaning of Primary and Secondary data, Primary data collection methods - observations, survey, interview and Questionnaire, Qualitative Techniques of data collection, Questionnaire design – Meaning - process of designing questionnaire. Secondary data -Sources – advantages and disadvantages. Measurement and Scaling Techniques: Basic measurement scales-Nominal scale, Ordinal scale, Interval scale, Ratio scale. Attitude measurement scale - Likert's Scale, Semantic Differential Scale, Thurstone scale, Multi-Dimensional Scaling. Case Study as per the chapter needs.			
Module -5		7 hours	
Data Analysis and Report Writing: Editing, Coding, Classification, Tabulation, Validation Analysis and Interpretation- Report writing and presentation of results: Importance of report writing, types of research report, report structure, guidelines for effective documentation.			
Module – 6		9 hours	
Advanced Excel and real time application: V Look Up, H Look up, Sort and filter, concatenate, Conditional Formatting., Pivot Table, If statement, Nested If, Charts. Statistical tests and how to interpret statistical outputs.			
Course outcomes: At the end of the course the student will be able to: 1. Understand various research approaches, techniques and strategies in the appropriate in business. 2. Apply a range of quantitative / qualitative research techniques to business and day to day management problems. 3. Demonstrate knowledge and understanding of data analysis, interpretation and report writing. 4. Develop necessary critical thinking skills in order to evaluate different research approaches in Business using excel in particular			
Practical components: • To identify research problem and collect relevant literatures for data analysis. • To write the research design by using Exploratory and Descriptive Research methods. • To conduct Market survey and to investigate consumer perception towards any FMCG and to conduct the data analysis using excel and need to submit a small report.			

- To demonstrate Report writing and Presentation methods.

CO-PO MAPPING

CO	PO				
	PO1	PO2	PO3	PO4	PO5
CO1	X			X	
CO2	X			X	
CO3	X	X	X		X
CO4	X		X	X	X

Question paper pattern:

The SEE question paper will be set for 100 marks and the marks scored will be proportionately reduced to 60.

- The question paper will have 8 full questions carrying equal marks.
- Each full question is for 20 marks.
- Each full question will have sub question covering all the topics under a Module.
- The students will have to answer five full questions; selecting four full question from question number one to seven and question number eight is compulsory.
- 100 percent theory in the SEE.

Textbook/ Textbooks

Sl No	Title of the book	Name of the Author/s	Publisher Name	Edition and year
1	Research Methodology	C R Kothari	Viswa Prakasam Publication	2014
2	Business Research Methods	S. N. Murthy & U. Bhojanna	Excel Books	3e, 2016
3	Research Methods	M MMunshi & K Gayathri Reddy	HPH	2015

Reference Books

1	Research Methodology	Ranjit Kumar	Sage Publications	
2	Excel for dummies	Harvey .G	John Wiley & Sons	2016
3	Research Methodology	Deepak Chawla and Neena Sondhi	Vikas Publications	2014