RESEARCH METHODOLOGY

Course Outline

Session	Topic
	Fundamentals of Research
	- Objective of Research
	- Characteristics of Research
	- Types of Research
	- Descriptive Vs Analytical
	- Applied Vs Fundamental
	- Quantitative Vs Qualitative
	- Conceptual vs. Empirical
	Steps Involved in Research Process
	- Identifying the Research Problem
	- Literature Survey
	- Research Hypothesis
Session 1	- Research Design
(2 Hours)	- Data Collection
	- Data Analysis
	 Hypothesis testing / Model building
	- Generalization, Interpretation and Report
	Research Methodology for Data Science
	Organization of Journal / Thesis
	- ABSTRACT writing
	- Introducing the scope of the Research
	- Documenting Literature Survey
	- Materials and Methods
	- Results and Discussion
	- Conclusion
	- Appendix
	- Reference
	Choice of Journal
	- Types of Journals
	- Journal Metrics
	- Journal Citation
	- Peer review journal
	Conference Vs Journal Publication
	Publication Ethics
	- Plagiarism
	- Self-Plagiarism
	- Reference
	- Projecting correct numbers
Session 2	
(2 hours)	Discussion on Assignment solution and feedback