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Course	Code		20	EC27	01A	Year	r		IV	S	emest	er		I	
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	Types of Research, Research Approaches. Research Ethics: Objectives, codes, policies, conventions of														
	publications, ethics for editors, reviewers and publishers, IPR.														
	Research Problem : What is a Research Problem? , Selecting the													01,	
	Problem, Necessity of Defining a problem.													202	
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3	Descriptive Statistics : Measures of Central Tendency, Measures						
	of Dispersion, Measures of Skewness, Kurtosis, Measures of						
	Relationship, Association in case of Attributes, Other Measures						
4	Sampling and Statistical Inference: Parametric vs Statistic,						
	Sampling and Non-Sampling errors, Sampling Distribution,						
	Degrees of Freedom, Standard Error.						
	Testing of Hypothesis: What is a Hypothesis, Basic Concepts						
	Concerning Testing of Hypothesis, Testing the Hypothesis, Test						
	Statistic and Critical Region, Critical Value and Decision Value,						
	Procedure for Hypothesis Testing.						
	Interpretation and Report Writing: Meaning of Interpretation,						
	Techniques of Interpretation, Precautions in Interpretation						
5	Significance of Report Writing, Different Steps in Writing Report,						
	Layout of a Research Paper, Types of Reports, Oral Presentation,						
	Mechanics of Writing a Research Report, Precautions for Writing						
	Research Reports.						
	Learning Resources						

Text Books

- 1. C.R.Kothari, Research Methodology: Methods and Techniques, 2nd Ed., New Age International Publishers,2014.
- 2. Garg, B.L., Karadia, R., Agarwal, F. and Agarwal, An introduction to Research Methodology, RBSA Publishers, U.K., 2002

Reference Books

- 1. Day, R.A., How to Write and Publish a Scientific Paper, Cambridge University Press,1992
- 2. Anthony, M., Graziano, A.M. and Raulin, M.L., Research Methods: A Process of Inquiry, Allyn and Bacon, 2009

e- Resources

- 1. https://www.youtube.com/watch?v=8iFfzYVuCuM
- 2. https://onlinecourses.nptel.ac.in/noc22_ge08
- 3. <u>https://www.youtube.com/watch?v=GSeeyJVD0JU</u>

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