

Lecture Plan							
Name of the college: GOVT. COLLEGE OF ARTS, SCIENCE & COMMERCE, SANQUELIM-GOA							
Name of Faculty: Akhil Gawas			Subject: Research Methodology - II				
Paper code: ECD 114			Program: TYBA			Division:	
Academic year: 2024 - 2025			Semester: VI			Total Lectures: 30	
Course Objectives:		equip students with the application of scientific methods of research					
Expected Course Outcome:							
Student Learning Outcome:		1. Explain the methods of collection, classification and presentation of data. 2. Calculate measures of central tendency and measures of dispersion. 3. Analyze the methods of correlation, regression and time series analysis. 4. Summarize the research report and write a review of the literature.					
Month	Lecture From	Lecture To	No. of lectures allotted	Topic, Subtopic to be covered	Exercise/ Assignment	ICT Tools	Reference books
December 2024	9/12/2024	14/12/2024	1	Mean,			Research Methodology by CR Kothari; Research Methodology by Kumar

December 2024	16/12/2024	21/12/2024	1	Median			Research Methodology by CR Kothari; Research Methodology by Kumar
December 2024	16/12/2024	21/12/2024	1	Mode;			Research Methodology by CR Kothari; Research Methodology by Kumar
January 2025	6/01/2025	11/01/2025	2	Mean Deviation; Variance;			Research Methodology by CR Kothari; Research Methodology by Kumar
January 2025	13/01/2025	18/01/2025	2	Standard Deviation;			Research Methodology by CR Kothari; Research Methodology by Kumar
January 2025	20/01/2025	25/01/2025	2	Skewness			Research Methodology by CR Kothari; Research Methodology by Kumar
January 2025 and February	27/01/2025	1/02/2025	2	Kurtosis.			Research Methodology by CR Kothari;

2025							Research Methodology by Kumar
February 2025	3/02/2025	8/02/2025	2	Simple Correlation and Regression - Scatter Diagrams			Research Methodology by CR Kothari; Research Methodology by Kumar
February 2025	10/02/2025	15/02/2025	2	Meaning and Types of Correlation based on degree,			Research Methodology by CR Kothari; Research Methodology by Kumar
February 2025	17/02/2025	22/02/2025	2	linear and non-linear, Simple, multiple and partial correlation			Research Methodology by CR Kothari; Research Methodology by Kumar
February 2025 and March 2025	24/02/2025	1/03/2025	2	Pearson's Coefficient of Correlation;			Research Methodology by CR Kothari; Research Methodology by Kumar
March 2025	3/03/2025	8/03/2025	2	Spearman's Rank Correlation;			Research Methodology by CR Kothari; Research Methodology by Kumar

March 2025	10/03/2025	15/03/2025	2	Coefficient of Regression; Curve Fitting			Research Methodology by CR Kothari; Research Methodology by Kumar
March 2025	17/03/2025	22/03/2025	2	Time Series Analysis: Smoothing by Moving Average Methods;			Research Methodology by CR Kothari; Research Methodology by Kumar
March 2025	24/03/2025	29/03/2025	2	Trend; Cyclical, Seasonal and Irregular Variations;			Research Methodology by CR Kothari; Research Methodology by Kumar
March 2025 and April 2025	31/03/2025	5/04/2025	2	Least Squares Method of Curve Fitting;			Research Methodology by CR Kothari; Research Methodology by Kumar
April 2025	7/04/2025	11/04/2025	1	Deseasonalising Time Series.			Research Methodology by CR Kothari; Research Methodology by Kumar

Assessment Rubrics

Component	Max Marks
ISA 1	10 Marks
ISA 2	10 Marks
Semester End Exam	80 Marks