Semester	ONE						
Course	Multidisciplinary						
Paper Code	M1ST230111T						
Paper Title	Data: An Overview						
No. of Credits	3						
Theory / Practical /	Theory						
Composite							
Minimum No. of	3						
preparatory hours per week							
a student has to devote							
Number of Modules	1						
Syllabus	Unit 1: Source and nature of data: Population and Sample. Random and non- random sampling. Primary, secondary data. [6] Unit 2:						
	Collection of Data : Framing simple research questions and preparing well designed questionnaires. Collection of primary data using questionnaire. Compilation of data and data tidying. Data Scrutiny. [4]						
	Classification of data: Scales of measurement. Variables and attributes. [4]						
	Unit 3: Summarization of data: Graphical representation, Summary measures: Mean, Median, Mode, Range, Standard deviation, Index of qualitative variation (IQV), Quartile deviation (Concept and formula only). [13]						
	Report Writing, audio-visual presentations. [5]						
	Unit 4: Some Application Areas: Social science, Health Science, Biological Science, Astronomy, Economics, Genetics, Epidemiology, Meteorology, Marketing and Business. [7]						
Learning Outcomes	 At the end of this course a student should have a knowledge of Sources of data Collection of data Types of data in social and natural sciences Presentation of data Summarising data 						
Reading/Reference Lists	 Fundamentals of Statistics, Vol-I; A.M Gun, M.K Gupta, B. Dasgupta. Statistics: The Art And Science Of Learning From Data: Alan Agresti, Christine A. Franklin, Bernhard Klingenberg. 						

	3.	Statistics	Without	Tears:	А	Primer	for	Non-		
		Mathematicians: Derek Rowntree; Allyn and Bacon, A Simon &								
		Schuster Company.								
	4.	Writing and Identity: The Discoursal Construction of Identity in								
		Academic Writing: Ivanic, R. (1998), Amsterdam and								
		Philadelphia: Benjamins.								
	5.	5. Latex beginner's Guide: Stefan Kottwitz, 2011.								
	6.	6. Beyond Bullet points; Using Power points to tell a compelling								
		story that gets results; Cliff Atkinson; Pearson Education; Edition								
		4; 2020.								
Evaluation	Theory			P	Practical (Not applicable)					
	CIA:15			C	CA:					
	Semester Exam: 35			S	Semester Exam:					
Paper Structure for	5 Marks Questions				7 out of 10					
Theory Semester Exam										