

	P.R. Government College (Autonomous) Kakinada	Program & Semester II B.COM III SEM			
Course Code	BUSINESS STATISTICS				
Teaching	Hours Allocated: 75 (60+15)	L	T	P	C
Pre-requisites:		4	0	-	4

Course Outcomes:

- Understand the importance of Statistics in real life
- Formulate complete, concise, and correct mathematical proofs.
- Frame problems using multiple mathematical and statistical tools, measuring relationships by using standard techniques.
- Build and assess data-based models.
- Learn and apply the statistical tools in day life.
- Create quantitative models to solve real world problems in appropriate contexts.

Course Outcomes:

On Completion of the course, the students will be able to-		Cognitive Domain
CO1	Understand the importance of Statistics in real life	Understanding
CO2	Formulate complete, concise, and correct mathematical proofs.	Application
CO3	Frame problems using multiple mathematical and statistical tools, measuring relationships by using standard techniques.	Analyzing
CO4	Build and assess data-based models.	Application
CO5	Learn and apply the statistical tools in day life and Create quantitative models to solve real world problems in appropriate contexts.	Application

Course with focus on employability / entrepreneurship / Skill Development modules

Skill Development		Employability		Entrepreneurship	
P.R. GOVT.COLLEGE (AUTONOMOUS), KAKINADA					
B.COM – II YEAR – (TM, EM & CA) w.e.f.2020 -21					
Subject		<u>3B: BUSINESS STATISTICS</u>			
III– SEM		TIME: 21/2 Hours		Max marks: 50 Credits: 4	
Hours: 5 Hrs. (4 Lectures + 1Tutorials)					
MODULE I		Introduction to Statistics: Definition- Importance, Characteristics and Limitations of Statistics - Classification and Tabulation .Frequency Distribution Table -Diagrams and Graphic Presentation of Data (including problems)			
MODULE II		Measures of Central Tendency: Types of Averages – Qualities of Good Average. Mean, Median, Mode, and Median based Averages-Geometric Mean – Harmonic Mean(including problems)			
MODULE III		Measures of Dispersion: Meaning and Properties of Dispersion – Absolute and Relative Measures - Types of Dispersion-Range. Quartile Deviation (Semi – Inter Quartile Range) -Mean Deviation - Standard Deviation - Coefficient of Variation. (including problems)			
MODULE IV		Skewness and Kurtosis: Measures of Skewness: Absolute and Relative Measures- Co-efficient of Skewness: Karl Pearson's, Bowley's and Kelly's - Kurtosis: Meso kurtosis, Platy kurtosis and Leptokurtosis (including problems)			
MODULE – V		Measures of Relation: Meaning and use of Correlation – Types of Correlation Karlpearson's Correlation Coefficient - Probable Error-Spearman's Rank-Correlation (including problems)			