DR MPS GROUP OF INSTITUIONS COLLEGE OF BUSINESS STUDIES, AGRA

INSTRUCTIONAL PLAN (MODIFICATION PROPOSED – SUBJECT TO STUDENTS PARTICIPATION AND INTERACTION)

ALLOCATED LECTURES ARE BASED ON STUDENT INTERACTION AND PARTICIPATION. SESSIONS REQUIRED MAY VARY, DEPENDING ON CLASS ATTENDANCE AND STUDENT INVOLVEMENT.

SESSION TOOK 50 LECTURE TO COMPLETE THE SYLLABUS.

Faculty Name: Hima Singh Jayas

Course No. _KMB104 ___ Course Title: __Business Statistics & Analytics

Textbook: (Book Bank – Given to Student)

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1. S.C. Gupta- Fundamentals of Statistics, Himalaya Publishing
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Other specific books: (Reference)

- 1. G.C. Beri- Business Statistics, 3rd edition, TATA Mc Graw HILL
- 2. J.K. Sharma- Business Statistics, Pearson Publication

Objectives of the subject:

1. Understand the different basic concept / fundamentals of business statistics.

2. Understand the practical application of various concepts.

3.Understand the importance of measures of Descriptive statistics which includes measures of central tendency, Measures of Dispersion, Time Series Analysis, Index Number, Correlation and Regression analysis and their implication on Business performance.

4. Understand the concept of Probability and its usage in various business applications.

5. Understanding Decision making environment and applying the Concept of Business Analytics.

Lecture	Topic	Assignment/	
No.		Task to be	•
Each		assigned to)
Lecture		students	
of min.			
45			
minutes			
duration			
1	Introduction to the subject and		
	need to study it		
2	UNIT 1: Descriptive Statistics		
	Meaning, scope, functions and		
	limitations of statistics		
8	Measures of central tendency-		
	Mean, median, mode, quartiles		
4	Measures of dispersion- Range,		
	inter quartile range, mean		
	deviation, standard deviation,		
	variance, coefficient of variance		

Detailed Plan for Lectures.

1	Skewness and kurtosis	
1	UNIT 2: Time series and index	
-	number	
	Time series analysis-	
	Concept additive and	
	multiplicative models component	
	of time series	
4	Least square method- linear and	
	non-linear equations applications	
	in husiness decision making	
1	Index numbers-meaning types	
1	uses	
3	construction of price quantity and	
5	volume indices fixed base and	
	chain has methods	
1	LINIT 3. CODDEL ATION AND	Δ α 2
4	DECRESSION	AS 2
	REGRESSION	
	Correlation analysis Dank	
	mathad and Karl Daarson mathad	
	of completion and properties of	
	of correlation and properties of	
2		
2	Regression Analysis- Fitting a	
	regression line and interpretation	
2	of results	
2	Properties of regression	
	coefficients and relationship	
	between regression and	
5	UNIT 4: PROBABILITY	
	THEORY AND	
	DISTRIBUTION	
	Probability: Theory of	
	probability, addition and	
	multiplication Law, Baye's	
	theorem	
5	Probability theoretical	
	distributions: concept and	
	application of binomial, poisson	
_	and normal distributions	
8	UNIT 5:	AS 1
	Decision making environment	
	Decision making under certainty,	
	uncertainty and risk situations,	
	decision tree approach and its	
	applications	
	Concept of business analytics	
	Meaning, types and application of	
	business analytics	

Details of Assignments Planned:

Assignment	Details	Nature of	Expected outcome
No.		Assignment	
1	Worksheet on numerical	calculative	To help the students to understand the analytical work
2	Data collection and application of statistical tools	Research based	To get an idea about how statistics is used in research