

COLLEGE OF ENGINEERING & TECHNOLOGY
(AUTONOMOUS)

Accredited by National Board of Accreditation, AICTE, New Delhi, Accredited by
NAAC with "A" Grade – 3.32 CGPA, Recognized under 2(f) & 12(B) of UGC Act 1956,
Approved by AICTE, New Delhi, Permanent Affiliation to JNTUK, Kakinada
Seetharampuram, W.G.DT., Narsapur-534280, (Andhra Pradesh)

### DEPARTMENT OF S & H TEACHING PLAN

Cours	SUSPIAL DE	Course Title	Semester	Branches	Contact Periods /Week	100000000000000000000000000000000000000	demic 'ear	Date of commencem ent of Semester	
24MB1T04		Quantitative Analysis For Business Decisions	I	МВА	5	202	24-25	04-09-24	
COURS	E OU	TCOMES: Studen	s are able	to					
COI	8	Basic importance a	nd applica	ations of quantitative t	echniques.(k	(2)	-		
CO2	2			and applicability of			to the		
CO3	3	Justify the several	decisions i	n decision theory.(K3	)	THE			
CO4	4	Use and understand	d the differ	rent sampling distribu	tion techniqu	ues.(K3)			
COS	5	Test the hypothesis	for choos	ing best conclusion a	nd inference.	.(K3)			
UNIT		Out Comes / Bloom's Level	Topic No.	Topics/Activ	ifv	Text Book/ Refere nce	Contact Hour	Delivery Method	
			Quantitative Techniques						
			1.1	Introduction To Quantitative Tech	niques	T <sub>1</sub> &T <sub>2</sub>	1		
			1.2	Meaning and Defi	inition	$T_1&T_2$	1	Chalk &	
	co	COI		1.3 Classification of Quantitative Techniques	A Secretary	$T_1\&T_2$	í	Talk,	
	Students are able to Basic importance and				and the second	T1&T2	1	Active	
I			1.4		CACALLE CALLEGE CONTROL CONTRO	$T_1&T_2$	1	Learning,	
		applications of		and other disciplin	les l	T1&T2	1	PPT &	
	app				103		and the second	m	
	app	ntitations of online of the original of the or	1.5	Application of		T <sub>1</sub> &T <sub>2</sub>	1	Tutorial	
	app	ntitative	1.5		niques	$T_1&T_2$ $T_1&T_2$		Tutorial	
	app	ntitative		Application of Quantitative Tech in business	niques –		1	Tutorial	
	app	ntitative	1.5	Application of Quantitative Tech	niques	T <sub>1</sub> &T <sub>2</sub>	1	Tutorial	



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		Mea	sure of Central Tendency an	d Dispersi	ions	241
		2.1	Arithmetic Mean and Geometric Mean	T <sub>1</sub> & T <sub>2</sub>	1	
	The Declaration and the	2.2	Harmonic Mean, Median	T <sub>1</sub> &T <sub>2</sub>	1	
			and Mode	T1&T2	1	1
		2.3	Standard Deviation and	T <sub>1</sub> &T <sub>2</sub>	1	
			Simple correlation	T1&T2	1	
	CO2 Students are able to	2.4	Karl Pearson's Coefficient of correlation and Rank	T <sub>1</sub> &T <sub>2</sub>	i.	Chalk &
11	Study the various measures and		correlation	T1&T2	1	Talk, Active
	applicability of	2.5	.Simple Regression	T <sub>1</sub> &T <sub>2</sub>	1	Learning
	probability related to the statistics.(K3).	a secondary	Analysis and Concept of Probability	T1&T2	1	PPT & Tutorial
		2.6	Probability Rules, Joint and Marginal probability,	T <sub>1</sub> &T <sub>2</sub>	1	
			Baye's Theorem	T1&T2	1	
		2.7	Binominal and Poisson	T <sub>1</sub> &T <sub>2</sub>	1	
			distributions	T1&T2	1	
	AND SERVED SERVED	2.8	Normal & Exponential	$T_1\&T_2$	1	and the second
N-YE			Probability Distributions	T1&T2	Î	
	- capabata aa	and the		Total	15	
		2.	Decision T	heory		
		3.1	Introduction of Decision Theory: Steps involved in decision making	T <sub>1</sub> &T <sub>2</sub>	1	
ш	CO3 Students are able to Justify the several	3.2 Different environments in	T <sub>1</sub> &T <sub>2</sub>	1		
			which decisions are made	T1&T2	1	Chalk &
		3.3	Criteria for decision making	T <sub>1</sub> &T <sub>2</sub>	_1_	Talk, Active
				T1&T2	1	Learning
	decisions in decision theory.		3.4 Decision making under	T <sub>1</sub> &T <sub>2</sub>	1	PPT & Tutorial
	(K3)		uncertainty	T1&T2	. 1	
			Decision making under conditions of Risk and	T <sub>1</sub> &T <sub>2</sub>	ı	
		3.5	Utility as adecision	T <sub>1</sub> &T <sub>2</sub>	1-	



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			Decision trees, Graphic	T <sub>1</sub> &T <sub>2</sub>	1	
		3.6	displays of the decision- making process	T <sub>1</sub> &T <sub>2</sub>	1	
		37	Decision making with an	T <sub>1</sub> &T <sub>2</sub>	1	
			active opponent	T <sub>1</sub> &T <sub>2</sub>		
-		****	6	Total	13	
		7.	Concept of Estimation	Control of the Contro	Sampling	
		4.1	Inferential Analysis, Point Estimates and Interval Estimates of Averages	T₁&T₂ T1&T2	1	
		4.2	Proportions of small and large samples	T <sub>1</sub> &T <sub>2</sub>	1	
	-	4.3	Proportions of small and large samples	Т1&Т2	1	Chalk &
		4,4	Sampling Meaning, Steps in	T <sub>1</sub> &T <sub>2</sub>	1	Talk,
			Sampling Process and Sample Size	T1&T2	1	Active
IV	CO4 Students are able to Use and understand the different sampling distribution techniques (K3)	4.5	Probability and non- probabilitysampling techniques	T <sub>1</sub> &T <sub>2</sub>	1	Learning PPT & Tutorial
lander.		4.6	Errors in sampling, Tests of significance, Types of Hypothesis	T <sub>1</sub> &T <sub>2</sub>	1	
P.		4.7	Hypothesis testing and Confidence Intervals	T <sub>1</sub> &T <sub>2</sub>	1	
		4.8	Parametric Tests for means	T <sub>1</sub> &T <sub>2</sub>	1	
		4,9	Proportions, Variance and	T <sub>1</sub> &T <sub>2</sub>	1	
			Paired Observations	T <sub>1</sub> &T <sub>2</sub>	_1_	1
				T <sub>1</sub> &T <sub>2</sub>	1	
				Total	13	
		-	Analysis of Varia		Company of the Party of the Par	
	CO5 Students are able to	5.1	One-way ANOVA	T <sub>1</sub> &T <sub>2</sub>	T i	
		3.1	One-way Alto th	and the same of th	1	Chalk & Talk,
		5.2	Two Way ANOVA	T1&T2		
V	Test the hypothesis for choosing best			T <sub>1</sub> &T <sub>2</sub>	1	Active
	conclusion and	5.3	Non Parametrictests	T1&T2	1	Learning
	inference.(K3).	5.4	Chi-Square-Test of	T1&T2	11	PPT &
	micrence.(K3).		Independence	T1&T2	1	Tutorial



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			5.5	Chi-Square- Test of Goodness of Fit	T <sub>1</sub> &T <sub>2</sub>	1		
					T <sub>1</sub> &T <sub>2</sub>	1		
					Total	9		
				Cumulative Propo	sed Periods	60		
Tex	t Books:	1504 A. L.						
S.N	0.	AUTHORS, BO	OK TITL	E, EDITION, PUBLISHER,	YEAR OF	PUBLICATION		
T1		Anand Sharma "Quantitative Techniques for Business decision Making Himalaya Publishers, New Delhi, 2012.						
T2		N.D. Vohra "Quantitative Techniques in Management", Tata- McGraw Hill Private Limited, New Delhi, 2011.						
Ref	erence B							
S.N	0.	AUTHORS, BO	OK TITL	E, EDITION, PUBLISHER,	YEAR OF	PUBLICATION		
R1 Gupta S.P "Statis		istical Me	tical Methods", S. Chand and Sons, New Delhi					
R2		Anderson "Quant	itative Me	thods for Business", Cengage	Learning, Ne	w Delhi, 2013.		
				Name		Signature with Date		
i.	Faculty		М	r. P.V.Narayana		P.V. Nasayan		
ii.	ii. Course Coordinator		M	Mr. P.V.Narayana		P.V. Narayan		
iii.	Module	Coordinator	M	r. M.Ravindra Babu	7 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1	I Kawin brazel		
iv.	n	nme Coordinator	D	.V. Swaminadham		111		