

ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER R. LAKSHMI SYAMALA					CLASS : I.M.S. (2) Semester : II - Sem Mathematical Expectation & Probability distributions Paper : Statistical Inference								
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO- CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
Nov	3 rd week	6 hrs	Unit-I Mathematical Expectation of a random and function of a random variable. Moments and Co-variance. Using M.E with examples.	-	-	-	-	-	-	-	-	-	-
			Addition & Multiplication Theorems on Expectation.	-	-	-	-	-	-	-	-	-	-
	4 th week	6hrs	Definition of Mgf, Cgf, Pgf & c.f its properties.	-	-	-	-	Assignment allotted	1hr	Yes	-	-	-
			Cauchy & chebyshev's inequalities.	-	-	-	-	-	-	-	-	-	-
Dec	1 st week	6 hrs	Binomial distribution Definition, first four Central & Non-central moments, Mgf, Cgf, Pgf & c.f, mean & variance, Additive property exists.	Bernoulli distribution	yes	1hr	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-
	2 nd week	6hrs	Poisson distribution- Definition, first four Central & Non-Central	-	-	-	-	-	-	-	-	-	-

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ANNUAL CURRICULAR					PLAN (Year) <i>Mathematical Expectation & Probability distributions.</i>								
NAMR OF THE LECTURER <i>R. LAKSHMI SYAMALA</i>					CLASS : <i>T.M.S.CS (2)</i>			Semester : <i>II - Sem</i>		Paper : <i>Statistical Inference</i>			
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO- CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
			<i>Moments, Mgf, cgf, pgf & cf, Mean & variance, Additive property exists</i>	-	-	-	-	-	-	-	-	-	-
			<i>Poisson approximate to Binomial distribution</i>	-	-	-	-	-	-	-	-	-	-
<i>Dec</i>	<i>3rd week</i>	<i>6hrs</i>	<i>Negative Binomial distn Definition, Mean, variance, Mgf, c.f, cgf, pgf,</i>	-	-	-	-	-	-	-	-	-	-
			<i>Reproductive property & Geometric distribution.</i>	<i>Lack of Memory Property</i>	<i>Yes</i>	<i>1hr</i>	-	-	-	-	-	-	-
	<i>4th week</i>	<i>5hrs</i>	<i>Hyper geometric distribution Definition, Mean & Variance.</i>	-	-	-	-	-	-	-	-	-	-
			<i>Limiting Cases Poisson to Hyper Geometric and</i>	-	-	-	-	-	-	<i>Assignment Alloted</i>	<i>1hr</i>	<i>Yes</i>	-
			<i>Poisson as a limiting Case of Negative Binomial</i>	-	-	-	-	-	-	-	-	-	-
			<i>Distribution & Practical's</i>	-	-	-	-	-	-	-	-	-	-

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ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER R. LAKSHMI SYAMALA					CLASS : <u>I.M.S.C(2)</u> Semester : <u>II</u> - Sem. <u>Mathematical Expectation & Probability distributions.</u> Paper :								
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO- CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
JAN	1 st week	4 hrs	Rectangular distribution Mean & Variance.	Mean deviation about mean	Yes	1 hr	-	-	-	-	-	-	-
			Exponential distribution Mean & Variance,	-	-	-	-	-	-	-	-	-	-
			Central & Non-central moments.	-	-	-	-	-	Assignment Alloted	1 hr	yes	-	-
	2 nd week	6 hrs	Exponential distribution- generating functions &	-	-	-	-	-	-	-	-	-	-
			Additive property. Gamma distribution of first kind Definition,	-	-	-	-	-	-	-	-	-	-
			Mean & Variance, Properties.	-	-	-	-	-	-	-	-	-	-
			Practicals	-	-	-	-	-	-	-	-	-	-
	3 rd week	-	-	-	-	-	-	-	-	-	-	-	-
	4 th week	6 hrs	Gamma distribution of Second kind Definition, Mean & Variance,	-	-	-	-	-	Assignment Alloted	1 hr	yes	-	-

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ANNUAL CURRICULAR					PLAN (Year) Mathematical Expectation & Probability distributions.								
NAMR OF THE LECTURER R. LAKSHMI SYAMALA					CLASS : I.M.S. (2) Semester : II - Sem Paper :								
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
			Properties. Beta dist ⁿ of first kind Definition, Mean & variance & Properties.	-	-	-	-	-	-	-	-	-	-
JAN	4 th week	5 hrs	Beta dist ⁿ of Second kind Definition Mean & variance and Properties.	-	-	-	-	-	-	-	-	-	-
feb	1 st week	5 hrs	Normal distribution- Definition, Importance and Properties	-	-	-	-	-	-	-	-	-	-
	2 nd week	6 hrs	Mgf, cf & cgf and Additive properties practicals	-	-	-	-	-	Assignment Alloted	1 hr	Yes	-	-
	3 rd week	5 hrs	Inter relation between Normal & Binomial and	-	-	-	-	-	-	-	-	-	-
			Normal & Poisson. Cauchy distribution - Mean & Variance	-	-	-	-	-	-	-	-	-	-
			Its Properties what ever exists. Limiting Cases.	-	-	-	-	-	-	-	-	-	-

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ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER R. LAKSHMI SYAMALA					CLASS : <u>II.M.S.CS (1)</u> Semester : <u>IV - Sem</u>				Paper : <u>Statistical Inference</u>				
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
Nov	1 st week	6 hrs	Unit-I Theory of Estimation Estimation of a parameter, Criteria of a good estimator, Unbiasedness, Consistency, efficiency & Sufficiency.	-	-	-	-	-	-	-	-	-	-
			Statement of Neyman's factorization theorem.	-	-	-	-	-	-	-	-	-	-
	2 nd week	6 hrs	Estimation of parameters by the method of moments and MLE, properties of MLE. Binomial, Poisson and Normal population	-	-	-	-	-	-	Assignment Alloted	1 hr	yes	-
			Parameters estimate by M.L method.	-	-	-	-	-	-	-	-	-	-
	3 rd week	6 hrs	Confidence Intervals of the parameters of Normal population.	-	-	-	-	-	-	-	-	-	-
	4 th week	6 hrs	Unit-II Concepts of Statistical hypothesis - null & Alternative hypothesis, Critical region, two types of errors, level of significance.	-	-	-	-	-	-	-	-	-	-

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ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER: R. LAKSHMI SYAMALA					CLASS: II M.S. (1) Semester: IV - Sem				Paper: Statistical Inference				
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO- CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
			Power of a test. one-tailed, two-tailed tests. Neymann pearsons lemma.	-	-	-	-	-	-	-	-	-	-
Dec	1 st week	6 hrs	Examples of Binomial, Poisson and Normal distribution.	-	-	-	-	-	-	-	-	-	-
	2 nd week	6 hrs	Unit - III Large Sample tests Large sample tests for Single mean, Two means, Single proportion.	-	-	-	-	Assignment Alloted	1hr	yes	-	-	-
	3 rd week	6 hrs	Two proportions, S.D of single & double samples and fisher's z-transformation.	-	-	-	-	-	-	-	-	-	-
	4 th week	5 hrs	Unit - IV Small sample tests Test of significance based on χ^2 , t & F	χ^2 -test for goodness of fit	yes	1hr	-	-	-	-	-	-	-
JAN	1 st week	4 hrs	χ^2 -test for Independence of attributes.	-	-	-	-	-	-	-	-	-	-
	2 nd week	6 hrs	t-test for single, double and paired tests.	-	-	-	-	-	-	-	-	-	-

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ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER <u>R. LAKSHMI SYAMALA</u>					CLASS : <u>II.M.S. CS (1)</u> Semester : <u>IV - Sem</u>				Paper : <u>Statistical Inference</u>				
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO- CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
JAN	3 rd week	—	—	—	—	—	—	—	—	—	—	—	—
	4 th week	6hrs	Variance ratio test.	Difference between Large & Small sample theory.	—	—	—	—	—	—	—	—	—
	5 th week	5hrs	Practicals.	—	—	—	—	—	—	—	—	—	—
Feb	1 st week	3hrs	Unit-2 Non parametric tests.	—	—	—	—	—	—	—	—	—	—
			Advantages & disadvantages Two sample sum test.	Difference between Parametric & Non-Parametric	yes	1hr	—	—	—	—	—	—	—
	2 nd week	6hrs	Two sample median test and two sample sign test.	—	—	—	—	—	Assignment Alloted	1hr	yes	—	—

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ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER R. LAKSHMI SYAMALA					CLASS III M.S.C (I) & (2) Semester: VI - Sem				Elective: Optimization Techniques				
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO- CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
Nov	4 th week	6 hrs	Unit-I Operations research Origin & development of O.R, Nature and features of O.R, Scientific methods and Modeling in O.R, Advantages and limitations of models, General solution method for O.R models.	-	-	-	-	-	-	-	-	-	-
					-	-	-	-	-	-	-	-	-
					-	-	-	-	-	-	-	-	-
					-	-	-	-	-	-	-	-	-
					-	-	-	-	-	-	-	-	-
					-	-	-	-	-	-	-	-	-
Dec	1 st week	6 hrs	Unit-II L.P.P Definition, Components, basic assumptions, Mathematical formulation of the problem, illustrations on mathematical formulation of L.P.P	-	-	-	-	-	-	-	-	-	-
					-	-	-	-	-	-	-	-	-
					-	-	-	-	-	-	-	-	-
					-	-	-	-	-	-	-	-	-
					-	-	-	-	-	-	-	-	-
	2 nd week	6hrs	LPP Graphical solution method, Some exceptional cases in graphical method - Alternative optima, unbounded solution & infeasible solution.	-	-	-	-	-	-	-	-	-	-
					-	-	-	-	-	-	-	-	-

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ANNUAL CURRICULAR					PLAN (Year) Elective: optimization Techniques								
NAMR OF THE LECTURER R. LAKSHMI SYAMALA					CLASS : III M.S. CS (1 & 2)				Semester : VI - Sem		Paper :		
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
Dec	3 rd week	6 hrs	Unit-III LPP Simplex method-I General LPP, objective function, Constraints, Non-negative restrictions, solution of LPP, feasible solution and optimum solution, Canonical and Standard forms of LPP, basic solution	-	-	-	-	-	-	-	-	-	-
			definition, degenerated solution, basic feasible solution, Associated Cost Vector.	-	-	-	-	-	-	-	-	-	-
	4 th week	4 hrs	Improved basic feasible solution, optimum basic feasible solution and net evaluation, fundamental theorem of LPP. the Computational procedure.	-	-	-	-	-	-	Assignment Alloted	1hr	yes	-
			Simplex algorithm, Simple linear programming problems	-	-	-	-	-	-	-	-	-	-
JAN	1 st week	4 hrs		-	-	-	-	-	-	-	-	-	-

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ANNUAL CURRICULAR					PLAN (Year) <i>Elective: Optimization Techniques</i>								
NAME OF THE LECTURER <i>R. LAKSHMI SYAMALA</i>					CLASS <i>III M.S.C (in I.T)</i> Semester: <i>VI-Sem</i>				Paper: <i>Optimization Techniques</i>				
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
JAN	2 nd week	6 hrs	Unit-IV LPP Simplex method-II Artificial Variable technique the Big-M method (a1)	-	-	-	-	-	-	-	-	-	-
			Penalties, degeneracy, Alternative optima,	-	-	-	-	-	-	-	-	-	-
			Unbounded solutions;	Two-phase method.	yes	1hr	-	-	-	-	-	-	-
	3 rd week	-	-	-	-	-	-	-	-	-	-	-	-
	4 th week	6 hrs	Non-existing (a1) Infeasible solutions.	-	-	-	-	-	-	-	-	-	-
	5 th week	5 hrs	Practicals	-	-	-	-	-	-	-	-	-	-
Feb	1 st week	6 hrs	Unit-V Duality in LPP General Primal-dual pair, formulating a dual problem.	-	-	-	-	-	-	-	-	-	-
			Primal-dual pair in matrix form,	-	-	-	-	-	-	-	-	-	-
	2 nd week	6 hrs		-	-	-	-	-	-	-	-	-	-

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ANNUAL CURRICULAR					PLAN (Year)							
NAMR OF THE LECTURER					CLASS :		Semester :		Paper :			
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO- CURRICULAR ACTIVITY			
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date
Feb	2 nd week	6 hrs.	Duality.	-	-	-	-	-	Assignment Alloted	1hr	yes	-

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CURRICULUM LECTURER WISE 2019 - 2020

ANNUAL CURRICULAR					PLAN (Year)									
NAMR OF THE LECTURER: R. LAKSHMI SYAMALA					CLASS: III M.S.C.P (1) & (2)				Semester: VI		Paper: STATISTICS CLUSTER PROJECT			
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO- CURRICULAR ACTIVITY					
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date		
Nov	4 th	3 hrs +3=6hrs	Guide lines for project of the cluster	-	-	-	-	-	-	-	-	-	-	
Dec	1 st	6 hrs	Evaluation patterns of project work	-	-	-	-	-	-	-	-	-	-	
			Discuss about 3 Internal Seminars	-	-	-	-	-	-	-	-	-	-	
Dec	2 nd	6 hrs	Introduction Selection of the topic, AIM & objective	-	-	-	-	-	-	-	-	-	-	
			preparing question -aire	-	-	-	-	-	-	-	-	-	-	
Dec	3 rd	6 hrs	Review of Information	-	-	-	-	-	-	-	-	-	-	

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CURRICULUM LECTURER WISE 2019 - 2020

ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER : <u>R. LAKSHMI SYAMALA</u>					CLASS : <u>III M.S. (S in & 2)</u>		Semester : <u>VI</u>		Paper : <u>STATISTICS CLUSTER PROJECT</u>				
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO- CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
Dec	4 th	5 hrs	Survey of the project	—	—	—	—	—	—	—	—	—	—
JAN	1 st	4 hrs	Survey of the project	—	—	—	—	—	—	—	—	—	—
JAN	2 nd	5 hrs	Survey of the project	—	—	—	—	—	—	—	—	—	—
JAN	3 rd	—	—	—	—	—	—	—	—	—	—	—	—
JAN	4 th	6 hrs	Coding of the project Survey	—	—	—	—	—	—	—	—	—	—
JAN	5 th	5 hrs	Enter the data in SPSS	—	—	—	—	—	—	—	—	—	—

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CURRICULUM LECTURER WISE 2019 - 2020

ANNUAL CURRICULAR					PLAN (Year)									
NAMR OF THE LECTURER R. LAKSHMI SYAMALA					CLASS : III M.S.C (1) & (2)				Semester : VI		Paper : STATISTICS CLUSTER PROJECT			
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO- CURRICULAR ACTIVITY					
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date		
FEB	1 st	6 hrs	Methodology	←	←	←	←	←	←	←	←	←		
	2 nd	6 hrs	Analysis & Discussion Suggestions.	←	←	←	←	←	←	←	←	←		
			Conclusion.											

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ANNUAL CURRICULAR					PLAN (Year) Statistics - cluster - I Operations Research - I								
NAMR OF THE LECTURER Y. V. SALINI RATHA					CLASS : III M.S.CS (U&C) Semester : VI - Sem				Paper :				
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO- CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
Nov	4 th	6	Unit - I Revised Simplex method - Algorithm Simple problems (2 & 3 variables)	-	-	-	-	-	-	-	-	-	-
			Simplex method vs Revised simplex method	-	-	-	-	-	-	-	-	-	-
Dec	1 st	6	Bounded variables - Computation procedure, Simple problems.	-	-	-	-	-	-	-	-	-	-
			Unit - II L.P - formulation of Transportation problem tabular representation.	-	-	-	-	-	-	Assignment Alloted	1 hr	yes	-
	2 nd	6	IBFS to Transportation problem using North-west Corner rule	-	-	-	-	-	-	-	-	-	-
			IBFS to Transportation problem using Least-Cost method.	-	-	-	-	-	-	-	-	-	-
	3 rd	6	IBFS to Transportation problem using Vogel's approximation method.	-	-	-	-	-	-	-	-	-	-
			Unit - III Optimality test Transportation problem Algorithm - MODI	-	-	-	-	-	-	Assignment Alloted	1 hr	yes	-
	4 th	5	Degeneracy in Transportation problem	-	-	-	-	-	-	-	-	-	-

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ANNUAL CURRICULAR					PLAN (Year) Statistics - Cluster - I Operations Research - I								
NAMR OF THE LECTURER Y. VISALINI RATHA					CLASS : III M.Sc (1) & (2)			Semester : VI - Sem		Paper :			
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO- CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
JAN	1 st	4	Unit - IV Mathematical formulation of the problem Hungarian method procedure	-	-	-	-	-	-	-	-	-	-
	2 nd	6	Hungarian method for Assignment problem. Special Cases in Assignment Problem - Unbalanced, Maximization Case.	-	-	-	-	-	-	Assignment allotted	1hr	yes	-
	3 rd	-	-	-	-	-	-	-	-	-	-	-	-
	4 th	6	Travelling Salesman Problem. Practicals	-	-	-	-	-	-	-	-	-	-
	5 th	5	Unit - V Problem of sequencing, principal assumptions.	-	-	-	-	-	-	-	-	-	-
Feb	1 st	6	Processing n jobs through 2 machines & 3 machines Johnson's optimal sequence algorithm.	-	-	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	Assignment allotted	1hr	yes	-
Feb	2 nd	6	Processing n- Jobs through K machines - algorithm, Problems.	-	-	-	-	-	-	-	-	-	-

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ANNUAL CURRICULAR					PLAN (Year) <u>Statistics - Cluster - II</u> <u>Operations Research - II</u>								
NAMR OF THE LECTURER <u>Y. VISALINI RATNA</u>					CLASS : <u>III M.S.CS (1)&(2) Semester : VI - Sem</u> Paper :								
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO- CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
Nov	4 th	6	Unit-I Introduction, two-person zero sum games, Some basic terms, Maxima- Minima principle. Games without saddle point - Mixed Strategies.	-	-	-	-	-	-	-	-	-	-
Dec	1 st	6	Graphical solutions of 2xn and mx2 games Dominance Property	-	-	-	-	-	-	-	-	-	-
	2 nd	6	Unit-II Basic Concepts of Inventory problem. Types of Inventories & Cost-Associated with inventories, factors affecting inventory control.	-	-	-	-	-	-	Assignment Allotted	1 hr	yes	-
	3 rd	6	Concept of EOQ, deterministic inventory problems.	-	-	-	-	-	-	-	-	-	-
JAN	1 st	4	Price breaks, problems of EOQ with one price break	-	-	-	-	-	-	-	-	-	-
	2 nd	6	Problems of EOQ with more than one price break Simple problems. Probabilistic inventory models, Instantaneous demand.	-	-	-	-	-	-	Assignment Allotted	1 hr	yes	-
	3 rd	-		-	-	-	-	-	-	-	-	-	-

Y. Visalini Ratna
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R. Lalitha
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ANNUAL CURRICULAR					PLAN (Year) <i>Statistics - cluster - II</i> <i>Operations Research - II</i>								
NAMR OF THE LECTURER <i>Y. VISALINI RATNA</i>					CLASS: <i>III M.S-C8 (1)&(2)</i> Semester: <i>VI-Sem</i> Paper: <i>II</i>								
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
JAN	4 th	6	No Setup cost model, Discrete Case & Continuous Case, News paper boy problem.	-	-	-	-	-	-	-	-	-	-
			Unit-IV Basic steps in PERT/CPM techniques.	-	-	-	-	-	-	-	-	-	-
	5 th	5	Basic Components, logical sequencing errors drawing networks, Rules for	-	-	-	-	-	-	-	-	-	-
			Network Constructions CPM, forward Pass, backward Pass methods.	-	-	-	-	-	-	-	-	-	-
Feb	1 st	6	Determination of floats and slack times.	-	-	-	-	-	-	Assignment Alloted	1hr	yes	-
			Unit-V probability Consideration PERT, difference b/w CPM & PERT	-	-	-	-	-	-	-	-	-	-
	2 nd	6	Application of Network techniques, limitations & difficulties in using	-	-	-	-	-	-	-	-	-	-
			Network, Project cost, Time cost,	-	-	-	-	-	-	-	-	-	-
			Optimization algorithm	-	-	-	-	-	-	Assignment alloted	1hr	yes	-

Y. Visalini Ratna
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ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER <i>D. Madhavi</i>					CLASS : <i>II (B.com) V&V</i> Semester : <i>IV Sem</i> Paper : <i>Business Analytics</i>								
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO- CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
Nov	I st	03	<i>Unit-II Tabulation & Cross Tabulation of data.</i>	-	-	-	-	-	-	-	-	-	-
	2 nd	03	<i>Univariate, bivariate of analysis.</i>	-	-	-	-	-	-	-	-	-	-
	3 rd	03	<i>Multivariate Analysis of data.</i>	-	-	-	-	-	-	-	-	-	-
	4 th	03	<i>MANOVA</i>	-	-	-	-	-	-	<i>Assignment Allotted</i>	<i>1hr</i>	<i>Yes</i>	-
Dec	I st	03	<i>Unit-III Typed & Typed Errors and T-test</i>	-	-	-	-	-	-	-	-	-	-
	II nd	03	<i>ANOVA & chi- Square test.</i>	-	-	-	-	-	-	-	-	-	-
	3 rd	03	<i>Correlation.</i>	-	-	-	-	-	-	-	-	-	-
	4 th	03	<i>Linear Regression Analysis</i>	-	-	-	-	-	-	-	-	-	-

D. Madhavi
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ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER <i>D. Madhavi</i>					CLASS : <i>IInd B.Com(Y&Y)</i> Semester : <i>IV</i>				Paper :				
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO- CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
<i>Jan.</i>	<i>1st</i>	<i>03</i>	<i>Logestic Regression.</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
	<i>2nd</i>	<i>03</i>	<i>Cluster-Analysis</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
	<i>3rd</i>	<i>←—————→</i>		<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
	<i>4th</i>	<i>03</i>	<i>Market- Basket -Analysis.</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>Assignment Alloted</i>	<i>1 hr</i>	<i>yes</i>	<i>-</i>
	<i>5th</i>	<i>03</i>	<i>Unit-<u>II</u> -Applications &</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
			<i>Case Studies of SPSS.</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
<i>Feb</i>	<i>1st</i>	<i>04</i>	<i>Master data Management data · warehousing & kinds of architecture · Data</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
			<i>Extraction transformation & uploading of data</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>Assignment -Alloted</i>	<i>1 hr</i>	<i>yes</i>	<i>-</i>
	<i>2nd</i>	<i>04</i>	<i>Data Mining- Metadata-data Marts - Creating data Marts. Data integration OLTP&OLAP</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>

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