

ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER R. LAKSHMI SYAMALA					CLASS : I MSc- I & II Semester : I				Paper : Descriptive Statistics				
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 <sup>st</sup>	6 hrs	Unit - I Introduction to Statistics: Importance of Statistics	-	-	-	-	-	-	-	-	-	-
			Scope of Statistics in different fields, Concepts of primary & Secondary data.										
	2 <sup>nd</sup>	7 hrs	Diagrammatic & graphical representation of data: Histogram, frequency polygon, ogives, Pie.	Diagrammatic and graphical representation.	Showing in PPT	1 hr	Yes	-	-	-	-	-	-
	3 <sup>rd</sup>	7 hrs	Measures of Central Tendency: Mean, Median, Mode, G.M & H.M.	-	-	-	-	-	-	-	-	-	-
	4 <sup>th</sup>	7 hrs	Median and mode Through graph.	-	-	-	-	-	-	Assignment allotted	1 hr	Yes	-
March	1 <sup>st</sup>	6 hrs	Unit - II Measures of Dispersion: Range, Quartile deviation,	-	-	-	-	-	-	-	-	-	-
	2 <sup>nd</sup>	7 hrs	Mean deviation and Standard deviation, Variance, central & Non-central moments and their interrelationship.	-	-	-	-	-	-	-	-	-	-
	3 <sup>rd</sup>	6 hrs	Sheppard's Correction for moments. Skewness & Kurtosis.	Kurtosis graphical representation	Showing in PPT	1 hr	Yes	-	-	-	-	-	-
	4 <sup>th</sup>	7 hrs	Unit - III Curve fitting: Bi-variate data, principle of least squares, fitting	-	-	-	-	-	-	-	-	-	-

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ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER					CLASS : I MScB - I & II Semester : 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	
	5 <sup>th</sup>	3 hrs	of degree polynomial. Fitting of straight line, fitting of Second degree	-	-	-	-	-	-	-	-	-	-
April	1 <sup>st</sup>	3 hrs	polynomial or parabola. Fitting of power Curve and exponential Curves.	-	-	-	-	-	-	-	-	-	-
	2 <sup>nd</sup>	7 hrs	Correlation : Meaning, Types of Correlation, Measures of Correlation:	Types of Correlation	Showing in PPT	1hr	Yes	-	-	-	-	-	-
	3 <sup>rd</sup>	5 hrs	Scattar diagram, Karl Pearson's coefficient of Correlation, Rank Correlation	-	-	-	-	-	-	-	-	-	-
	<del>3<sup>rd</sup></del>	<del>5 hrs</del>	Coefficient (with & without ties), Bi-variate frequency distribution, Correlation	-	-	-	-	-	-	-	-	-	-
	4 <sup>th</sup>	6 hrs	Coefficient for bi-variate data & simple problems. Concept of multiple and	-	-	-	-	-	-	-	-	-	-
			Partial Correlation Coefficients (three variables only) and properties.	-	-	-	-	-	Assignment allotted	1hr	Yes	-	-
	5 <sup>th</sup>	6 hrs	Unit-VI Regression : Concept of Regression, Linear Regression, Regression	-	-	-	-	-	-	-	-	-	-
			lines, Regression Coefficients, and its properties, Regression lines for bi-variate	-	-	-	-	-	-	-	-	-	-

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ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER R. LAKSHMI SYAMALA					CLASS : <u>TMscs - I &amp; II</u> Semester : <u>I</u>				Paper : <u>Descriptive Statistics</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	
			bi-variate data and simple problems. Correlation vs Regression.	-	-	-	-	-	-	-	-	-	-
May	1 <sup>st</sup>	2 hrs	Units - V <u>Attributes</u> : Notations, Class, order of class frequencies, Ultimate class frequencies, Consistency of data, Conditions for consistency of data for 2 & 3 attributes only.	-	-	-	-	-	-	-	-	-	-
			Independence of attributes Association of attributes and its measure, Relationship between association and colligation of attributes,	-	-	-	-	-	-	-	-	-	-
	2 <sup>nd</sup>	7 hrs	Contingency table : square Contingency, mean square Contingency, coefficient of mean square Contingency, Tschuprow's Coefficient of Contingency.	-	-	-	-	-	-	- assignment allotted	1hr	yes	-
				-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-

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ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER: R. LAKSHMI SYAMALA					CLASS: <u>II MScs - II</u> Semester: <u>III</u>				Paper: <u>Statistical methods</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	3 <sup>rd</sup>	3 hrs	Unit - I Correlation, Definition, Scatter diagram its Coefficient and its properties.	-	-	-	-	-	-	-	-	-	-
	4 <sup>th</sup>	6 hrs	Computation of Correlation Coefficient, problems for grouped & ungrouped data, Spearman's	-	-	-	-	-	-	-	-	-	-
	5 <sup>th</sup>	1 hr	rank Correlation coefficient, properties & problems.	-	-	-	-	-	-	-	-	-	-
Dec	1	6 hrs	Unit - II Regression: Simple linear regression	-	-	-	-	-	-	-	-	-	-
	2	7 hrs	properties of regression coefficient, Regression lines, Concept of	Regression lines	Showing in ppt	1 hr	yes	-	-	-	-	-	-
	3	6 hrs	Correlation Ratio, partial & multiple correlation coefficients	-	-	-	-	-	-	-	-	-	-
	4	5 hrs	Correlation VS Regression and their problems.	-	-	-	-	-	-	-	-	-	-
			Unit - III Curve fitting	-	-	-	-	-	-	Assignment Allotted	1 hr	yes	-

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ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER R.L.Syamala					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	
	5 <sup>th</sup>	4 hrs	method of least squares, fitting of	-	-	-	-	-	-	-	-	-	-
Jan	1 <sup>st</sup>	2hrs	a straight line, Quadratic (or) Second degree equations	-	-	-	-	-	-	-	-	-	-
	2 <sup>nd</sup>	6 hrs	and their problems. Exponential and	fitted second degree	Showing in PPT	1hr	yes	-	-	-	-	-	-
	4 <sup>th</sup>	7 hrs	power curves and their problems.	-	-	-	-	-	-	-	-	-	-
	5 <sup>th</sup>	6 hrs	Unit-IV Attributes Introduction, nature	-	-	-	-	-	-	-	-	-	-
Feb	1 <sup>st</sup>	7 hrs	& Consistency and mention its conditions.	-	-	-	-	-	-	-	-	-	-
Feb	2 <sup>nd</sup>	7 hrs	Independence & Association of attributes	-	-	-	-	-	-	-	-	-	-
	3 <sup>rd</sup>	7 hrs	Coefficient of association Coefficient of colligation.	-	-	-	-	-	-	-	-	-	-
	4 <sup>th</sup>	6 hrs	and their problems.	-	-	-	-	-	-	-	-	-	-

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ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER <u>R.L. SYAMALA</u>					CLASS :		Semester : <u>III</u>		Paper : <u>Statistical methods</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	
	4 <sup>th</sup>	6 hrs	Theorems and Problems.	-	-	-	-	-	-	-	-	-	-
			Unit-V Exact Sampling distributions	-	-	-	-	-	-	-	-	-	-
			Concept of population, Parameters, random	-	-	-	-	-	-	-	-	-	-
March	1 <sup>st</sup>	7 hrs	Sample, Statistic, sampling distribution.	-	-	-	-	-	-	-	-	-	-
			Standard error.	-	-	-	-	-	-	-	-	-	-
			$\chi^2$ - distribution definition and Conditions.	-	-	-	-	-	-	-	-	-	-
	2 <sup>nd</sup>	7 hrs	$\chi^2$ - distribution Applications,	-	-	-	-	-	-	Assignment allotted	1 hr	yes	-
			properties.	-	-	-	-	-	-	-	-	-	-
			t & F distributions,	-	-	-	-	-	-	-	-	-	-
			Applications, properties.	-	-	-	-	-	-	-	-	-	-

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**ANNUAL CURRICULAR**

**PLAN (Year)**

NAMR OF THE LECTURER **R.L.Syamala**

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	
			Inter relationships between $\chi^2$ , t & F distributions.	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-

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ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER: V. Prasanna					CLASS: III MScS <sub>1,2</sub> Semester: V-SEM				Sampling techniques & Paper: Design of Experiment				
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 <sup>rd</sup>	3hrs	UNIT-1: SAMPLING THEORY Principle steps in a sample survey	sample survey	showing in PPT	1hr	yes	-	-	-	-	-	-
	4 <sup>th</sup>	6hrs	Sampling & non sampling errors, types of sampling	-	-	-	-	-	-	-	-	-	-
			subjective, Probability and mixed sampling methods	-	-	-	-	-	-	-	-	-	-
Dec	1 <sup>st</sup>	5hrs	UNIT-2: SRS meaning of samples &	-	-	-	-	-	-	-	-	-	-
	2 <sup>nd</sup>	6hrs	the methods to draw estimation of the population mean, var.	-	-	-	-	-	-	-	-	-	-
	3 <sup>rd</sup>	6hrs	in SRSWR & SRSWOR advantages & Disadvantages	-	-	-	-	-	-	-	-	-	-
	4 <sup>th</sup>	5hrs	uses of these methods.	-	-	-	-	-	-	assignment allotted	1hr	yes	-
	5 <sup>th</sup>	4hrs	UNIT-3: STRS Proportional and optimum allocation.	-	-	-	-	-	-	-	-	-	-
Jan	1 <sup>st</sup>	2hrs	sample sizes in stratification	-	-	-	-	-	-	-	-	-	-

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ANNUAL CURRICULAR					PLAN (Year)							
NAME OF THE LECTURER : V. PRASANNA					CLASS : III M.B.Sc., 9 Semester : V-SEM							
					CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY			
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/TOPIC	Additional Input/Value Addition Provided/ Taught	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date
	3rd	6hrs	variances in these methods. systematic sampling	-	-	-	-	-	-	-	-	-
			systematic sampling when $n = nk$	-	-	-	-	-	-	-	-	-
	4th	6hrs	Comparison of their relative efficiencies.	-	-	-	-	-	-	-	-	-
			Advantages & Disadvantages of above methods.	-	-	-	-	-	Assignment allotted	1hr	yes	-
	5th	5hrs	UNIT-4: ANOVA Causes of variation.	-	-	-	-	-	-	-	-	-
			Statement of Cochran's theorem.	-	-	-	-	-	-	-	-	-
			one-way with equal & unequal classification	ANOVA	showing in PPT	1hr	yes	-	-	-	-	-
			Two-way classification ANOVA assumptions.	-	-	-	-	-	-	-	-	-
NOV	1st	6hrs	UNIT-5 Design of Experiments	-	-	-	-	-	-	-	-	-

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Sampling techniques &  
Paper : Respn. of Exptmen

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NAMR OF THE LECTURER V. PRASANNA

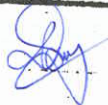
**PLAN (Year)**

CLASS : III MBS1, 2 Semester : V - SEM

Sampling techniques and  
 Paper : Design of Experiment

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	
	<u>2nd</u>	<u>3 hrs</u>	Principles of an experimentation in designs.	-	-	-	-	-	-	-	-	-	-
			Analysis of completely randomized design	-	-	-	-	-	-	-	-	-	-
	<u>3rd</u>	<u>4 hrs</u>	Randomized block design. &	-	-	-	-	-	-	-	-	-	-
			Latin square Design	-	-	-	-	-	-	-	-	-	-
			efficiency of these designs and concept of factorial experiment	-	-	-	-	-	<u>assignment allotted</u>	<u>1hr</u>	<u>yes</u>	-	-
				-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-

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ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER R. LAKSHMI SYAMALA					CLASS : III MSc & S-I & II Semester : V				Quality & Reliability Paper : V(B)				
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 <sup>rd</sup>	3hrs	Unit-I Importance of SPC in industry	-	-	-	-	-	-	-	-	-	-
	4 <sup>th</sup>	6hrs	Statistical basis of Schwartz Control charts.	-	-	-	-	-	-	-	-	-	-
			Uses of Control charts, Control limits, Natural tolerance limits and	Control charts	Showing in ppt	1hr	yes	-	-	-	-	-	-
Dec	1 <sup>st</sup>	5hrs	Specification limits. Concept of Six-σ and its importance.	-	-	-	-	-	-	-	-	-	-
	2 <sup>nd</sup>	6 hrs	Unit-II Variable Control charts.	-	-	-	-	-	-	-	-	-	-
	3 <sup>rd</sup>	6 hrs	Construction of $\bar{X}$ & R charts for variables.	-	-	-	-	-	-	-	-	-	-
			Construction of S.D chart & problems.	-	-	-	-	-	-	-	-	-	-
			Interpretation of Control charts, Attribute	-	-	-	-	-	-	Assignment Alloted	1hr	yes	-
				-	-	-	-	-	-	-	-	-	-

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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	
	4th	5 hrs	Control charts - np chart P-chart & C-chart.	-	-	-	-	-	-	-	-	-	-
	5th	4 hrs	Unit - III - Acceptance sampling plans	-	-	-	-	-	-	-	-	-	-
Jan	1st	2 hrs	Scope, producer's risk & Consumer's risk	-	-	-	-	-	-	-	-	-	-
	2nd	6 hrs	Concepts of AQL & LTPD.	-	-	-	-	-	-	-	-	-	-
			Practicals.	-	-	-	-	-	-	Assignment alloted	1hr	yes	-
	4th	6 hrs	Unit - IV Sampling plans.	-	-	-	-	-	-	-	-	-	-
			Single sampling plan OC & ASN function.	-	-	-	-	-	-	-	-	-	-
	5th	5 hrs	Double sampling plan.	-	-	-	-	-	-	-	-	-	-
			Single & double sampling plans for	-	-	-	-	-	-	-	-	-	-

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ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER R.L. SHAMALA					CLASS : III MSc (1) & (2) Semester : I				Paper : Quality & Reliability				
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	
			attributes using Binomial.	Acceptance Sampling plan	Showing in ppt	1hr	yes	-	-	-	-	-	-
			Problems based on double sampling plan	-	-	-	-	-	-	-	-	-	-
Feb	1 <sup>st</sup>	6 hrs	for attributes.	-	-	-	-	-	-	-	-	-	-
	2 <sup>nd</sup>	6 hrs	Using Binomial practicals.	-	-	-	-	-	-	-	-	-	-
			<u>Unit-V</u> Reliability	-	-	-	-	-	-	-	-	-	-
	3 <sup>rd</sup>	6 hrs	Introduction, failure states, Hazard	-	-	-	-	-	-	Assignment allotted	-	-	-
			function, Estimation of Reliability.	-	-	-	-	-	-	-	-	-	-
	4 <sup>th</sup>	6 hrs	Exponential distribution as life model.	-	-	-	-	-	-	-	-	-	-

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NAMR OF THE LECTURER R.L.Syamala					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	
			Exponential distribution memoryless property.	-	-	-	-	-	-	-	-	-	-
			Series & parallel system.	-	-	-	-	-	-	-	-	-	-
Mar	1st	6 hrs	Configuration kout of N systems Configuration	-	-	-	-	-	-	-	-	-	-
			Practicals.	-	-	-	-	-	-	-	-	-	-

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