SV ARTS COLLEGE :: TTD :: TIRUPATI

DEPARTMENT OF STATISTICS

Result of **2016-17**

S.No.	Course	Subject	Year	Sem	Appeared	Passed	Pass Percentage
I	B.Sc	Statistics	1	I	45	40	88.88
				II	45	42	93.33
			2	III	42	38	90.47
				IV	42	36	85.71
			3	**Year Wise**			
				Paper – III	41	36	87.80
				Paper - IV	41	38	92.68
II	B.A	Statistics	1	I	16	12	75
				II	16	13	81.25
			2	III	23	20	86.95
				IV	23	19	82.60
			3	**Year Wise**			
				Paper – III	15	10	66.67
				Paper - IV	15	11	73.33

Course Outcome

1st Year : Descriptive Statistics and Probability Distributions

The Students will acquire

1) Knowledge of Statistics and its scope and importance in various areas such as Medical, Engineering, Agricultural and Social Sciences etc.
2) Knowledge of various types of data, their organization and evaluation of summary measures such as measures of central tendency and dispersion etc.
3) Knowledge of other types of data reflecting quality characteristics including concepts of independence and association between two attributes,
4) Insights into preliminary exploration of different types of data.

5) Knowledge of correlation, regression analysis, regression diagnostics, partial and multiple correlations.
6) Ability to distinguish between random and non-random experiments,
7) Knowledge to conceptualize the probabilities of events including frequentist and axiomatic approach. Simultaneously, they will learn the notion of conditional probability including the concept of Bayes' Theorem.
8) Knowledge related to concept of discrete and continuous random variables and their probability distributions including expectation and moments,
9) Knowledge of important discrete and continuous distributions such as Binomial, Poisson, Geometric, Negative Binomial and Hyper-geometric, normal, uniform, exponential, beta and gamma distributions.
10) To apply standard discrete and continuous probability distributions to different situations.
11) Knowledge related to concept of discrete and continuous random variables and their probability distributions including expectation and moments,

2nd Year : Statistical Methods and Inference

The students will acquire

1) The situation where there is uncertainty and how to measure that uncertainty by defining the probability, random variable and mathematical expectation which are essential in all research areas.
2) An idea of using various standard theoretical distributions, their chief characteristics and applications in analyzing any data.
3) The measures of dispersion throw light on reliability of average and control of variability
4) The concept of Correlation and Linear Regression deals with studying the linear relationship between two or more variables, which is needed to analyze the real life problems.
5) The attributes gives an idea that how to deal with qualitative data.
6) Concept of law large numbers and their uses
7) Concept of central limit theorem and its uses in statistics
8) Concept of random sample from a distribution, sampling distribution of a statistic, standard error of important estimates such as mean and proportions
9) Knowledge about important inferential aspects such as point estimation, test of hypotheses and associated concepts
10) Knowledge about inferences from Binomial, Poisson and Normal distributions as illustrations
11) Concept about non-parametric method and some important non-parametric tests.

3rd Year: Applied Statistics

The students shall get

1) Introduced to various statistical sampling schemes such as simple, stratified and systematic sampling.
2) An idea of conducting the sample surveys and selecting appropriate sampling techniques,
3) Knowledge about comparing various sampling techniques.
4) Carry out one way and two way Analysis of Variance,
5) Understand the basic terms used in design of experiments,
6) Use appropriate experimental designs to analyze the experimental data.
5) Time series data, its applications to various fields and components of time series,
6) Fitting and plotting of various growth curves such as modified exponential, Gompertz and logistic curve
7) Fitting of trend by Moving Average method,
8) Measurement of Seasonal Indices by Ratio-to-Trend , Ratio-to-Moving Average and Link Relative methods,
9) Applications to real data by means of laboratory assignments.
10) Interpret and use a range of index numbers commonly used in the business sector
11) Perform calculations involving simple and weighted index numbers
12) Understand the basic structure of the consumer price index and perform calculations involving its use
13) Various data collection methods enabling to have a better insight in policy making, planning and systematic implementation,
14) Construction and implementation of life tables
15) Population growth curves, population estimates and projections,
16) Real data implementation of various demographic concepts as outlined above through practical assignments.

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DEPARTMENT OF STATISTICS

Result of 2017-18

S.No.	Course	Subject	Year	Sem	Appeared	Passed	Pass Percentage
I	B.Sc	Statistics	1	I	46	43	93.47
				II	46	41	89.1
			2	III	45	40	88.89
				IV	45	41	91.10
			3	**V SEM**			
				Paper- V	42	38	90.47
				Paper – VI	42	40	95.23
				V I SEM			
				Paper- VII	42	38	90.50
II	B.A	Statistics	1	I	42	41	97.61
				II	42	37	88.1
			2	III	15	14	93.33
				IV	15	13	86.67
			3	**V SEM**			
				Paper- V	22	20	90.90
				Paper – VI	22	21	95.45
				VI SEM			
				Paper- VII	22	20	90.9

Course Outcome

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2nd Year : Statistical Methods and Inference

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DEPARTMENT OF STATISTICS

Result of 2018-19

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I	B.Sc	Statistics	1	I	48	45	93.75
				II	48	44	91.67
			2	III	46	40	86.95
				IV	46	39	84.78
			3	**V SEM**			
				Paper- V	45	41	91.11
				Paper – VI	45	40	88.89
				VI SEM			
				Paper- VII	45	39	86.67
II	B.A	Statistics	1	I	42	38	90.48
				II	42	39	92.86
			2	III	40	35	87.5
				IV	40	37	92.5
			3	**V SEM**			
				Paper- V	15	13	86.67
				Paper – VI	15	12	80.0
				VI SEM			
				Paper- VII	15	13	86.67

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				II			
			2	III	47	41	87.23
				IV			
			3	**V SEM**			
				Paper- V	46	43	93.47
				Paper – VI	45	42	93.33
				VI SEM			
				Paper- VII	47	46	97.87
				Cluster - A	19	18	94.73
				Cluster – B	19	19	100
				Cluster - C	19	19	100
II	B.A	Statistics	1	I	36	30	83.33
				II			
			2	III	37	33	89.18
				IV			
			3	**V SEM**			
				Paper- V	36	30	83.33
				Paper – VI	36	33	91.67
				VI SEM			
				Paper- VII	39	39	100
				Cluster - A	15	15	100
				Cluster – B	15	15	100
				Cluster - C	15	15	100

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