

I – Academic Planner

A. Teaching Plan (Year: 2018, Semester: ODD-JULY to NOV.)

Teacher's Name **DR. VANDANA SARIN WALIA** Department **STATISTICS**

S. No.	UPC	Paper Name	Core/AECC/GE/SEC	Topic/Unit	Start Date	End Date
1.	32377905	Time Series Analysis	STAT-DSE – 1 (A)	Introduction to times series data, application of time series from various fields, Components of a times series, Decomposition of time series.	22 nd July, 2018	25 th July, 2018
				Estimation of trend by free hand curve method, method of semi averages, fitting mathematical curve and growth curves. Practical work.	29 th July, 2018	1 st Aug. 2018
				Estimation of trend by method of moving averages. Detrending: Effect of elimination of trend on other components of a time series. Practical work.	6 th Aug., 2018	19 th Aug., 2018
				Estimation of seasonal component by the methods of: Simple averages, Ratio to Trend, Ratio to Moving Averages and Link Relative method. Deseasonalization. Practical work.	20 th Aug., 2018	26 th Aug. 2018
				Harmonic Analysis. Variate difference method. Practical work.	27 th Aug., 2018	4 th Sep., 2018
				Stationary Time series, Weak stationarity, autocorrelation function and the correlogram. Some Special Processes: Moving-average (MA) process and Autoregressive (AR) processes. Estimation of the parameters of AR (1) and AR (2). Introduction to ARMA and ARIMA models. Practical work.	9 th Sep., 2018	24 th Sep., 2018
				Forecasting a time series. Exponential smoothing. Practical work.	25 th Sep., 2018	3 rd Oct. 2018
				Short-term forecasting methods: Brown's discounted regression, Box-Jenkins method, Bayesian forecasting. Practical Work.	21 st Oct., 2018	4 th Nov., 2018
				Group Project Presentations	6 th Nov., 2018	8 th Nov. 2018
				2.	32375301	Basics of Statistical Inference
Basic principles of design of experiments, treatment, plot and block. Analysis of CRD, RBD, Bioassay. Practical Work.	22 nd Aug., 2018	6 th Sep., 2018				
Tests for the significance of correlation coefficient, Sign test for median, Sign test for symmetry, Wilcoxon two sample test. Practical Work. Revision work	13 th Sep., 2018 1 st Nov., 2018	31 st Oct. 2018 7 th Nov., 2018				
3.	32371101	Descriptive Statistics	STAT-C-101	Practical 1	2 nd Aug. 2018	9 th Aug. 2018
				Practical 2	16 th Aug. 2018	16 th Aug. 2018
				Practical 3	23 rd Aug. 2018	30 th Aug. 2018
				Practical 4	6 th Sep. 2018	6 th Sep. 2018
				Practical 5 and 6	20 th Sep. 2018	20 th Sep. 2018
				Practical 7, 8 and 9	27 th Sep. 2018	27 th Sep. 2018
				Practical 10 and 11	4 th Oct. 2018	4 th Oct. 2018
				Practical 12 and 13	18 th Oct., 2018	18 th Oct., 2018
				Practical 14	25 th Oct., 2018	25 th Oct., 2018
				Practical 15	1 st Nov. 2018	1 st Nov. 2018

B. Internal Assessment: House Exam (Test/Presentation etc.) & Assignment*

Course Code	Course Name	Unique Paper Code	Topic Name	Day and Date	Date/s of Exhibiting the Assessment Sheet to students, Discussing the marks, Returning/Retaining
568	Statistics	32377905	UNIT I & IV (Test)	Monday, 17 th Aug., 2018	Monday, 17 th Aug., 2018 (Returning)
568	Statistics	32377905	UNIT I-IV (Project)	First week of Nov	
568	Statistics	32375301	UNIT III-IV (Test)	First week of Nov	Second week of Nov
568	Statistics	32371101	UNITS I-IV	First week of Nov	Second week of Nov

*Marks of the Internal Assessment to be submitted to the College 15 days before the last working day of every semester