TEACHING PLAN
DEPARTMENT OF STATISTICS
JULY 2023 - JUNE 2024

গড়গাঁও মহাবিদ্যালয়
GARGAON COLLEGE
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Period of Semester	Semester	Tentative Date of University Exam (Notification of Dib. Univ.)	Name of the Faculty	Course Code: STAT-	Paper Name	Unit wise Title of the Topic	Number of Lectures (1 Hour per Lecture) Theory-TH Practical-P Seminar-S Group Discussion-GD Tutorial-TU Surprised Test-ST Home Assignment-HA	Tools used for teaching Black Board-BB ICT Online Class-OC Google Meet-GM Google Classroom-GC
July -2023-Dec,2023	FYUGP 1st Sem	6th December -20th December	Dr. Bornali Dutta	C1	Descriptive Statistics	Unit1- Statistical Methods	TH-08, S-1, TU-2,ST-1	BB, GM,GC,ICT
				MIN STS1	Basic Statistical Methods	Unit3-Bivariate Data	TH-10,TU-2,ST-2,S-1	BB, ICT, GC, OC,GM
				GEC STS1	Statistical Methods	Unit-4 Categorical Data	TH-5,TU-01,ST-1, P-1	BB,ICT,GC,OC,GM
				SEC STS1	Collection of Data and its Presentation	Unit-1 Introduction to Data Collection and Presentation	TH-5, TU-01,ST-1	BB, ICT, GC, OC,GM
						Unit-2 Different Data Collection Methods	TH-06,TU-1,ST-1	BB, ICT, GC, OC,GM
						Unit-3 Data collection Design and Execution	TH-07,TU-1,ST-1	BB, ICT, GC, OC,GM
						Unit-4 Introduction to statistical analysis techniques	TH-08,TU-1,ST-1	BB, ICT, GC, OC,GM
						Unit-5 Practical	TH-15,P-4,ST-1	ICT
July,2023- December,2023	SEM III	5th December-20th December	Dr. Bornali Dutta	C5	Sampling Distributions	Unit1-Limit Laws	TH-6,TU-1,S-1,ST-1	BB, ICT, GC, OC
						Unit2-Introduction to Sampling Distribution	TH-8,TU-1,S-1,ST-1,P-7	BB, ICT, GC, OC,GM
				C7	Mathematical Analysis	Unit-1 Real Analysis	TH-8,TU-1,ST-1	BB, ICT, GC, OC,GM
						Unit-2 Infinite Series	TH-8,TU-1,ST-1	BB, ICT, GC, OC
						Unit-3 Review of limit	TH-4,TU-1,ST-1	BB, ICT, GC, OC,GM

						Unit-4 Numerical Analysis	TH-6,TU-1,ST-1,S-1	BB, ICT, GC, OC,GM
						Practical	P-7,ST-1	ICT, Lab
July.23-December,2023	SEM V	11th November- 4th December	Dr. Bornali Dutta	C11	Stochastic Processes & Queuing Theory	Unit1- Probability Distribution	TH-5,TU-1,ST-1	BB, ICT, GC, OC,GM
						Unit2- Markov Chains	TH-9,TU-2,ST-2,S-1,P-5	BB, ICT, GC, OC,GM
						Unit3- Poisson Process	TH-6,TU-1,ST-1,S-1,P-3	BB, ICT, GC, OC,GM
						Unit4- Queuing System	TH-6,TU-1,ST-1,GD-1,P-2	BB, ICT, GC, OC,GM
			Dr. Bornali Dutta	C12	Statistical Computing using C++	Unit1-History and importance of C Operators and Expressions	TH-9,TU-2,ST-2,S-1	BB, ICT, GC, OC,GM
						Unit2-Decision making and branching	TH-6,TU-1,ST-1,P-2	BB, ICT, GC, OC,GM
						Unit3-User defined functions	TH-6,TU-1,ST-1,P-3	BB, ICT, GC, OC,GM
						Unit4-Pointers	TH-6,TU-1,ST-1,GD-1,P-3	BB, ICT, GC, OC,GM
				DSE-2	Operation Research	Unit-1 Basic Introduction to Operation Research	TH-8, TU-2, ST-1, GD-1,P-3	BB, ICT, GC, OC,GM
						Unit-2 Transportation Problem	TH-7,TU-2,ST-1,GD-1,P-3	BB, ICT, GC, OC,GM
						Unit-3 Game theory	TH-5,TU-1,ST-1,GD-1,P-3	BB, ICT, GC, OC,GM
						Unit-4 Inventory Management	TH-3,TU-1,ST-1,GD-1,P-1	BB, ICT, GC, OC,GM
January 2024-May 2024	FYUGP 2nd Sem	10th May-15th June,2024	Dr. Bornali Dutta	STSC 2	Probability Theory and Statistical Distribution	Unit-1 Introduction to Basic Probability Theory	TH-9, TU-01, ST-1,HA-1	BB, ICT, GC, OC,GM

Teaching Plan/ Lesson Plan
Department of Statistics, Gargaon College
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				MINS TS2	Basic Probability Theory and Distribution	Unit-1 Basic concept of Probability Theory	TH-8, TU-1,ST-1,P-1,HA-1	BB, ICT, GC, OC,GM
				GEC STS2	Basics of Statistical Distribution and Inference Course	Unit-1 Basic Introduction to Probability Theory	TH-07,TU-01,ST-01,HA-1	BB, ICT, GC, OC,GM
						Unit-2 Idea of Mathematical Expectation and generating function	TH-06,TU-01,ST-01,HA-01	BB, ICT, GC, OC,GM
				SECS TS2	Data Science using MS Excel	Unit-1 Layout of Excel Worksheet	TH-07,TU-02,P-09	ICT,GC,GM
						Unit-2 Simple Cell Functions	TH-07,TU-02,P-09	ICT,GC,GM
						Unit-3 Excel Function	TH-10,TU-02,P-12	ICT,GC,GM
						Unit-4 Excel add ins	TH-12,TU-03,P-15	ICT,GC,GM
						Unit-5 Reporting from Excel Output and Project Compilation	TH-10,T-05,P-15	ICT,GC,GM
January 24-May 24	4th Sem (Hon &GE)	10th May-15th June, 2024	Dr. Bornali Dutta	C-9	Linear Model	Unit-1 Gauss Marko Set-Up	TH-15, TU-2	BB, ICT, GC, OC
						Unit-2 Regression Analysis	TH-10, S-1, TU-1, ST-1	BB, ICT, GC, OC
						Unit-3 Analysis of Variance	TH-10, TU-1, S-1, ST-1	BB, ICT, GC, OC
						Unit-4 Model Checking	TH-15, P-12, TU-2	BB, ICT, GC, OC,GM
				GE-4	Basics of Statistical Inference	Unit-IV Analysis of Variance & Design of Experiments	TH-7,TU-2,ST-2,P-4	BB, ICT, GC, OC,GM
						Practicals		
January,2024 – May,2024	SEM VI	10th May-15th June,2024	Dr. Bornali Dutta	C13	Design of Experiments	Unit1-Experimental Designs & Basic designs	TH-7,TU-2,ST-1,P-6	BB, ICT, GC, OC,GM
						Unit2-Incomplete Block Designs	TH-4,TU-1,ST-1,P-1	BB, ICT, GC, OC
						Unit3-Factorial	TH-7,TU-2,ST-1,P-	BB, ICT, GC, OC

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				Experiments	2,S-1	
				Unit4-Fractional Factorial Experiments	TH-6,TU-2,P-4,ST-2	BB, ICT, GC, OC,GM
		Dr. Bornali Dutta	C14	Multivariate Analysis 7 Nonparametric Methods	Unit1-Bivariate Normal Distribution	TH-5,TU-1,ST-1,P-2	BB, ICT, GC, OC,GM
					Unit2-Multivariate Normal Distribution & its properties	TH-6,TU-2,ST-2,P-3	BB, ICT, GC, OC,GM
					Unit3-Application of Multivariate Analysis	TH-6,TU-2,P-3,S-1	BB, ICT, GC, OC,GM
					Unit4-Nonparametric tests	TH-6,TU-2,ST-2,P-4	BB, ICT, GC, OC,GM
		Dr. Bornali Dutta	DSE8	Project Work	Preparation of Questionnaire, Data Collection, Tabulation, Analysis using Statistical Software, Report Writing		ICT, Extensive Library Work, Computational Software, MS Word, MS Excel etc.

Dr. Bornali Dutta
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