DEPARTMENT OF UG STATISTICS (AIDED)

B.Sc. STATISTICS

CHOICE BASED CREDIT SYSTEM(CBCS)

&

LEARNING OUTCOMES BASED CURRICULUM FRAMEWORK (LOCF)

2022-2025 Batch

![Shrimathi Devkunvar Nanalal Bhatt Vaishnav College for Women (Autonomous)]

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Chrompet Chennai-600044

B.Sc. STATISTICS

CURRICULUM FRAMEWORK 2022–2025 Batch

PART	COURSE	TITLE OF THE PAPER	CODE	L	T	H	C
SEMESTER-I							
Part-I	Language	Tamil-I/Hindi-I/Sanskrit-I	20ULTFC1001 20ULHFC1001 20ULSFC1001			6	3
Part-II	English	General English-I	20UGEFC1001			6	3
Part-III	Core Theory - I	Descriptive Statistics	20USTCT1001	4	-	6	3
	Core Theory -II	Probability and Random Variables	20USTCT1002	5	-	6	4
	Core Practical-I (Calculator based)	Core Practical-I	20USTCP2001		3	-	2
	Allied Theory -I	Allied Mathematics-I	20USTAT1001			6	5
Part-IV	Soft Skill	Essentials of Language and Communication Skills	20USSLC1001			-	3
	Value Education	Environmental Studies	20UESVE1001			-	2
						30	23
SEMESTER-II							
PART	COURSE	TITLE OF THE PAPER	CODE	L	T	H	C
Part-I	Language	Tamil-II/Hindi- II /Sanskrit-II	20ULTFC2002 20ULHFC2002 20ULSFC2002			6	3
Part-II	English	General English-II	20UGEFC2002			6	3
	Core Theory -III	Distribution Theory-I	20USTCT2003	5	-	6	4
	Core Theory -IV	Matrix Algebra	20USTCT2004	4	-	6	3

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57 YEARS

Part-III	Core Practical-I (Calculator based)	Core Practical-I	20USTCP2001		3	-	2
	Allied Theory -II	Allied Mathematics-II	20USTAT2002			6	5
Part-IV	Soft Skill	Essentials of Spoken and Presentation Skills	20USSST2002			-	3
	Value Education	Yoga and Wellness	20UESVE2001	-	-	-	2
						30	25

SEMESTER-III							
PART	**COURSE**	**TITLE OF THE PAPER**	**CODE**	**L**	**T**	**H**	**C**
Part-I	Language	Tamil-III/Hindi-III /Sanskrit-III	20ULTFC3003 20ULHFC3003 20ULSFC3003			6	3
Part-II	English	General English-III	20UGEFC3003			6	3
Part-III	Core Theory -V	Distribution Theory-II	20USTCT3005	4	-	5	3
	Core Theory -VI	Applied Statistics	20USTCT3006	3	-	5	3
	Core Practical-II (Calculator based)	Core Practical-II	20USTCP4002		3	-	2
	Allied Theory -III	Programming in C++	20USTAT3003	4	-	6	3
	Allied Practical-I (Lab based)	Programming in C++	20USTAP3001		2	-	2
Part-IV	NME	Data Analysis	20USTND3001			2	2
						30	19
SEMESTER-IV							
PART	**COURSE**	**TITLE OF THE PAPER**	**CODE**	**L**	**T**	**H**	**C**
Part-I	Language	Tamil-IV/Hindi- IV /Sanskrit-IV	20ULTFC4004 20ULHFC4004 20ULSFC4004			6	3

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Part-II	English	General English-IV	20UGEFC4004			6	3
Part-III	Core Theory -VII	Statistical Inference-I	20USTCT4007	3	-	5	3
	Core Theory - VIII	Operations Research	20USTCT4008	4	-	5	4
	Core Practical-II (Calculator based)	Core Practical-II	20USTCP4002		3	-	2
	Allied Theory -IV	Numerical Methods	20USTAT4004	4	2	6	5
Part-IV	NME	Data Analysis	20USTND4002			2	2
						30	22

SEMESTER-V

PART	COURSE	TITLE OF THE PAPER	CODE	L	T	H	C
Part-III	Core Theory -IX	Statistical Inference-II	20USTCT5009	5	-	6	4
	Core Theory -X	Design of Experiments	20USTCT5010	4	-	6	4
	Core Theory -XI	Regression Analysis	20USTCT5011	5	-	6	4
	Core Theory -XII	Stochastic Processes	20USTCT5012	6	-	6	4
	Core Elective-I (Lab based practical) **(OR)** Core Elective-I (NPTEL)	Data Analysis using R Python for data science	24USTEP5A01 24USTEP5B01		6	6	5
	Core Practical-III (Calculator based)	Core Practical-III	20USTCP5003		4	-	2
Part-IV	Skill Enhancement course	ESRM	20USSSE5003			-	3
						30	26

UG REGULATIONS 2022– 25

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SEMESTER-VI							
PART	COURSE	TITLE OF THEPAPER	CODE	L	T	H	C
Part-III	Core Theory-XIII	Sampling Methods	20USTCT6013	5	-	6	3
	Core Theory -XIV	Project	23USTPR6001	6	-	6	5
	Core Theory -XV	Demography and Actuarial Statistics	23USTCT6014	5	-	6	3
	Core Elective-II	Statistical Quality Control	23USTET6001	4	-	6	3
	Core Elective-III (Lab based practical) **(OR)**	Data Analysis using SPSS and MS-EXCEL	24USTEP6A02		6	6	5
	Core Elective-III (NPTEL)	Programming, Data Structures and Algorithms using Python	24USTEP6B02				
	Core Practical-IV (Calculator based)	Core Practical-IV	20USTCP6004		4	-	2
Part-IV	Skill Based Elective	SWYAM-MOOC Course relevant to the subject	20USSCS6ST4			-	3
						30	24

L=Lecture Hrs;T=Tutorial Hrs; H= Hrs per week; C =Credit

UG REGULATIONS 2022– 25