1.	OBJECTIVE	towards developing	foundation and expose a keen interest in stant for scientific resea every aspect of life.	tistica	l thinking.To	instill the rational			
2.	DURATION (IN MONTHS)	24 (Full Time)							
3.	INTAKE	60							
4.	RESERVATION	I.Within the sanctioned intake	a) SC (In Percentage)	b) ST (In Percentage)		c) Differently abled (In Percentage)			
			15		7.5	3			
		II.Over and above the sanctioned intake	a) Kashmiri Migra (In Seats)	nts	ts b) International Students (In Percentage)				
			2			20			
5.	ELIGIBILITY	Graduate in Statistics/ Mathematics at principal or subsidiary level from any recognised University/ Institution of National Importance with minimum of 50% marks or equivalent grade (45% marks or equivalent grade for Scheduled Caste/ Scheduled Tribes).							
6.	SELECTION PROCEDURE	 Selection of students is based on: 1. Academic record with minimum 50 percent (45% for SC/ST) at graduation level 2. Performance at the "Writing Aptitude Test (Technical and Academic)" (WAT) and Personal Interaction (PI) which will be conducted in Kolkata, Noida and Pune. WAT is a written test that will be scheduled along with a comprehensive Personal Interaction (PI). 3. Technical and Academic Writing Test - Essay type written test on a general topic to comprehend the writing skills of the candidate. 							
7.	MEDIUM OF INSTRUCTION	Personal Interaction - Interaction with a panel of experts English							
8.	PROGRAMME PATTERN	Semester							
9.	COURSE & SPECIALISATION	As per Annexure A							
10.	FEE		Academic Fee p.a	ı In	stitute Depos	sit Total			
	Indian Students (Amount in INR)		253000		20000	273000			
	International Students	NRI/ PIO/ OCI Category (Amount in US\$)	4850		275	5125			



					reign Nationa egory (Amou in US\$)		950	275		2225
11.	ASSESSMENT All internal courses will have 100% component as internal evaluation at the institute level. All external courses will have 60% internal component and 40% external component [University] examination.									
 STANDARD OF PASSING The assessment of the student for each examination is done, based on relative performance. Maximum Grade Point (GP) is 10 corresponding to O (Outstanding). For all courses, a student is required to pass both internal and external examination separately with a minimum Grade Point of 4 corresponding to Grade P. Students securing less than 40% absolute marks in each head of passing will be declared FAIL. The University awards a degree to the student who has achieved a minimum CGPA of 4 out of maximum of 10 CGPA for the programme. 									Dutstanding). examination P. Students declared	
13.	13. AWARD OF DEGREEMaster of Science (Applied Statistics) will be awarded at the end of semester 4 examination by taking into consideration the performance of all semester examinations after obtaining minimum 4.00 CGPA out of 10 CGPA									
14.	CLAS	SIFICATIO	N OF (CRE	DITS					
Semester Generic Gene Core Elect		-	Specialisa- tion Core	Specialisa- tion Elective	Open Elective	Mandatory Non-Credit Course/s	Non-Letter Grade Audit Course/s	Total		
						Common				
	1	21	0		0	0	0	0		21
	2	23	0		0	0	0	2	As per the student's choice	23
	3	15	3		6	0	0	0		24
	4	12	0		0	0	0	0		12
Т	otal	71	3		6	0	0	0		80

The revised programme structure supersedes the previously approved programme structure dated 07/10/2024 for the programme.

This Programme Structure is aligned with the norms laid down by the University and is approved by the Academic Council. Hereafter changes (if any) which conform to the policy on "Curriculum Development and Review" would be permissible, subject to revision of the Programme Structure, following the specified processes.

Director - Academics

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Annexure A

Aintexui e A									
Catalog Course Code	Course Code	Course Title	Specialisation	Credit	Continu ous Assess ment	Term End Examina tion	Total Marks		
		Sen	nester : 1						
	•	Generic	Core Courses						
T6684	0606410101	Probability Distributions		4	120	80	200		
T6695	0606410102	Probability Theory and Applications		4	120	80	200		
T6687	0606410103	Sampling Theory		4	120	80	200		
T6688	0606410104	Statistical Computing		4	120	80	200		
T6699	0606410105	Multivariate Statistics-1		3	90	60	150		
T4725	0606410106	Research Methodology		2	60	40	100		
			Total	21	630	420	1050		
		Sen	nester : 2						
			Core Courses						
T6700	0606410201	Design of Experiments		4	120	80	200		
T6696	0606410202	Linear Models		4	120	80	200		
T6701	0606410203	Multivariate Statistical Analysis-2		4	120	80	200		
T6697	0606410204	Statistical Inference		4	120	80	200		
T6698	0606410205	Stochastic Processes		4	120	80	200		
T6725	0606410206	Time Series Analysis		3	90	60	150		
TH4788	0606410207	Health and Wellness Module I		0	0	0	Mandatory Non-Credit Course		
TH4789	0606410208	Health and Wellness Module II		0	0	0	Mandatory Non-Credit Course		
			Total	23	690	460	1150		
			nester : 3						
			Core Courses	1	1	r			
T6703	0606410301	Statistical Learning and Data Mining		4	120	80	200		
T6702	0606410302	Computer Intensive Statistical Methods		4	120	80	200		
T6706		Statistical Machine Learning		4	120	80	200		
T6903	0606410304	Internship		3	150	0	150		
			Total	15	510	240	750		
			tive Course Group ny one course)						
T6918	0606410305	Bayesian Inference		3	150	0	150		
T6704		Optimization Techniques		3	150	0	150		
	-	Total	Required Credits	3	150	0	150		



Annexure A

		Annexuter	A			
Course Code	Course Title	Specialisation	Credit	ous	End	Total Marks
	Specialisation Core Courses	: Bio-Statistics and	Data Ana	lysis		
0606410307	Survival Analysis	Bio-Statistics and Data Analysis	3	90	60	150
0606410308	Demography and Vital Statistics	Bio-Statistics and Data Analysis	3	90	60	150
		Total	6	180	120	300
				1 -		
						150
0606410310	Big Data Analytics	Data Science	3	90	60	150
		Total	6	180	120	300
Spec	cialisation Core Courses : Indus	strial Statistics and (Operation	s Researd	h	
0606410311	Stochastic Models in Finance	Industrial Statistics and Operations Research	3	90	60	150
0606410312	Statistical Quality Control	Industrial Statistics and Operations Research	3	90	60	150
		Total	6	180	120	300
	•		1	_		
						150
0606410313	Actuarial Mathematics	Actuarial Statistics	3	90	60	150
		Total	6	180	120	300
			10	300	200	500
0606410401	Industry Project in Specialization					
0606410401 0606410402	Industry Project in Specialization Seminar		2	100	0	100
	Code 0606410307 0606410308 0606410309 0606410310 Spec 0606410311 0606410312 0606410307	Code Course litie Specialisation Core Courses 0606410307 Survival Analysis 0606410308 Demography and Vital Statistics 0606410309 Statistical Simulation 0606410310 Big Data Analytics Specialisation Core 0606410310 Big Data Analytics Specialisation Core Courses : Industriation 0606410311 Stochastic Models in Finance 0606410312 Statistical Quality Control Specialisation Core Courses : Industriation 0606410312 Statistical Quality Control Ofeoded 10307 Survival Analysis 0606410313 Actuarial Mathematics Sen	CodeCourse IntileSpecialisationSpecialisation Core Courses : Bio-Statistics and Data Analysis0606410307Survival AnalysisBio-Statistics and Data Analysis0606410308Demography and Vital StatisticsBio-Statistics and Data Analysis0606410308Demography and Vital StatisticsBio-Statistics and Data AnalysisTotalSpecialisation Core Courses : Data Science0606410309Statistical SimulationData Science0606410310Big 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Science39060Specialisation Core Courses : Data Science0606410310Big Data AnalyticsData Science39060Odo60410311Stochastic Models in Finance and Operations Research110606410312Statistical Quality ControlIndustrial Statistics and Operations Research39060Odo60410312Specialisation Core Courses : Actuarial Statistics and Operations Research39060Odo60410312Specialisation Core Courses : Actuarial Statistics and Operations Research39060Odo60410312Specialisation Core Courses : Actuarial Statistics and Operations Research



Semester	Continuous Assessment	Term End Examination	Total Credits	Total Marks	
Semester 1	0	21	21	1050	
Semester 2	0	23	23	1150	
Semester 3	6	18	24	1200	
Semester 4	2	10	12	600	
Total	8	72	80	4000	

