

1.	OBJECTIVE	To Provide a sound foundation and exposure to statistical ideas. To steer students towards developing a keen interest in statistical thinking. To instill the rational that Statistics is important for scientific research which forms the basic grounds of decision making in every aspect of life.						
2.	DURATION (IN MONTHS)	24 (Full Time)						
3.	INTAKE	60						
4.	RESERVATION	I.Within the sanctioned intake	a) SC (In Percentage)	b) ST (In Pe			fferently abled ercentage)	
			15				3	
		II.Over and above the sanctioned intake	a) Kashmiri Migra (In Seats)	ants	b) International Students (In Percentage)			
			2	2 15				
5.	ELIGIBILITY	minimum of 50% m Scheduled Caste/ Sc Mathematics at subsidia Statistics at subsidia Statistics at subsidia with Statistics as one	recognised University arks or equivalent granks or equivalent arks are level 2. B.Sc. in Ary level 4. B.Sc. with e of the subjects 6. Bratics/Statistics at su	rade (45 . B.Sc. with M Actuaria h Statis B.C.A. v	5% marks or e with Statistic lathematics as al Science wit tics as one of with Statistics	equivales as princes the Matle the su	lent grade for incipal and cipal and hematics and bjects 5. B.C.S.	
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. Personal Interaction - Interaction with a panel of experts						
7.	MEDIUM OF INSTRUCTION	English						
8.	PROGRAMME PATTERN	Semester						
9.	COURSE & SPECIALIZATION	As per Annexure A						
10.	FEE	Academic Fee p.a Institute Deposit Total						





		Indian Students	220000	20000	240000			
		International Students (USD equivalent to INR)	330000	20000	350000			
11.	ASSESSMENT	institute level. All ex	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.					
12.	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.						
13.	AWARD OF DEGREE/ DIPLOMA/ CERTIFICATE	Master of Science (Applied Statistics) will be awarded at the end of semester IV examination by taking into consideration the performance of all semester examinations after obtaining minimum CGPA of 4 out of maximum of 10 CGPA						
	OF A COTTE CAMPACAT OF	OD TID TIDO						

14. CLASSIFICATION OF CREDITS

Semester	Generic Core	Generic Elective	Specialization Core	Specialization Elective	Open Elective	Audit	Total
1	21	0	0	0	0	1*	21
2	23	0	0	0	0	0	23
3	15	3	6	0	0	0	24
4	12	0	0	0	0	0	12
Total	71	3	6	0	0	0	80

^{*} Satisfactory completion of the non letter grade course 'Integrated Disaster Management' is mandatory for award of degree.

The revised programme structure supersedes the previously approved programme structure dated 02/07/2022 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

Catalog Course Code	Course Code	Course Title	Specialization	Credit	Internal Marks	External Marks	Total Marks
		Seme	ster : 1				
		Generic Co	ore 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
T4005	0606410107	Integrated Disaster Management *		0	0	0	Non - Letter Grade
			Total	21	630	420	1050
		Seme	ster : 2				
		Generic Co	ore Courses				
T6697	0606410201	Statistical Inference		4	120	80	200
T6701	0606410202	Multivariate Statistical Analysis-2		4	120	80	200
T6696	0606410203	Linear Models		4	120	80	200
T6698	0606410204	Stochastic Processes		4	120	80	200
T6700	0606410205	Design of Experiments		4	120	80	200
T6725	0606410206	Time Series Analysis		3	90	60	150
			Total	23	690	460	1150
		Seme	ster : 3	I			
		Generic Co	ore Courses				
T6706	0606410301	Statistical Machine Learning		4	120	80	200
T6702	0606410302	Computer Intensive Statistical Methods		4	120	80	200
T6703	0606410303	Statistical Learning and Data Mining		4	120	80	200
T6903	0606410304			3	150	0	150
			Total	15	510	240	750
		Generic Elective	e Courses Group	I	1	<u> </u>	
T6704	0606410305	Optimization Techniques		3	150	0	150
T6918	0606410306	Bayesian Inference		3	150	0	150
		· · ·	Required Credits	3	150	0	150
	,	Specialization Core Courses :		ata Ana	lysis		
T6724	0606410307	Survival Analysis	Bio-Statistics and Data Analysis	3	90	60	150





Annexure A

Catalog Course Code	Course Code	Course Title	Specialization	Credit	Internal Marks	External Marks	Total Marks
T6707	0606410308	Demography and Vital Statistics	Bio-Statistics and Data Analysis	3	90	60	150
			Total	6	180	120	300
		Specialization Core C	ourses : Data Scien	се			
T6705	0606410309	Statistical Simulation	Data Science	3	90	60	150
T6849	0606410310	Big Data Analytics	Data Science	3	90	60	150
			Total	6	180	120	300
T6852 T6851	Special 0606410311 0606410312	ization Core Courses : Industr Stochastic Models in Finance Statistical Quality Control	ial Statistics and Op Industrial Statistics and Operations Research Industrial Statistics and Operations Research	3 3	90	60 60	150 150
			Total	6	180	120	300
			ster : 4				
	_	Generic Co	ore Courses		•	,	
T6810	0606410401	Industry Project in Specialization		10	300	200	500
T6802	0606410402	Seminar		2	100	0	100
			Total	12	400	200	600





Semester	Internal Credits	External Credits	Total Credits	Total Marks
	•	Common		•
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

