1.	OBJECTIVE	 Provide expertise in laboratory-based biochemical techniques. Impart skill sets to formulate and execute independent research project. Enable students with skill sets to carve a career as a researcher in the field of biochemistry. Empower students with an ability to translate biochemistry research skill set to provide sustainable solutions to societal issues. 							
	DURATION (IN MONTHS)	24 (Full Time)	24 (Full Time)						
3.	INTAKE	30	_						
4.	RESERVATION	I.Within the sanctioned intake				c) Differently abled (In Percentage)			
			15		7.5	3			
		II.Over and above the sanctioned intake	a) Kashmiri Migra (In Seats)	nts	b) Internati (In Percent	ional Students age)			
			2			20			
5.	ELIGIBILITY	Graduate in Science with Chemistry as one of the subjects in the third year OR Graduate in Life Sciences/ Health Sciences/ Biotechnology/ any other Biological Science from any recognized University/ Institution of National Importance with a minimum of 50% marks or equivalent grade (45% or equivalent grade for Scheduled Caste/Scheduled Tribes)							
6.	SELECTION PROCEDURE	Written Test / Person	nal Interaction						
7.	MEDIUM OF INSTRUCTION	Engilsh							
8.	PROGRAMME PATTERN	Semester							
9.	COURSE & SPECIALIZATION	As per Annexure A							
10.	FEE		Academic Fee p.a	In	stitute Depo	sit Total			
	Indian Students (Amount in INR)		240000		20000	260000			
	International Students	NRI/ PIO/ OCI Category (Amount in US\$)	4700		275	4975			
	incinational Students	Foreign National Category (Amount in US\$)	1950		275	2225			
11.	ASSESSMENT	The courses will have	ve 60% Continuous A	Assessn	nent and 40%	Term End			

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		[University] examination however, some courses (not more than 30% of the total programme credits) may have 100% Continuous Assessment.
117	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 (Oustanding). For all courses, a student is required to pass both internal and external examination separately with a minimum Grade Point of 4.000 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 4.000 out of maximum of 10 CGPA for the program.
13.	AWARD OF DEGREE	Master of Science (Biochemistry) 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. CLASSIFICATION OF CREDITS

Semester	Generic Core	Generic Elective	Specializa- tion Core	Specializa- tion Elective	Open Elective	Non-Letter Grade Mandatory Course/s	Non-Letter Grade Audit Course/s	Total
Common								
1	20	0	0	0	0	0		20
2	18	2	0	0	0	1	As per the student's choice	20
3	20	0	0	0	0	0		20
4	0	20	0	0	0	0		20
Total	58	22	0	0	0	0		80

This Programme Structure is aligned with the norms laid down by the University and is approved by the Academic Council and Board of Management. 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	Continu ous Assess ment	Term End Examina tion	Total Marks
			mester : 1				
	1		Core Courses		_	T	
TH4098	0403470101	Advanced Molecular Biology		3	90	60	150
TH4425		Biomolecules		3	90	60	150
TH4107	0403470103			3	90	60	150
TH4275	0403470104	Practicals in Biochemical Techniques		3	90	60	150
TH4274	0403470105	Practicals in Microbiology and Molecular Biology		3	90	60	150
TH4588	0403470106	Research Methodology and Biostatistics		3	90	60	150
TH4584	0403470107	Genetic Analysis		2	60	40	100
			Total	20	600	400	1000
			nester : 2 Core Courses				
TH4589	0403470201	Advanced Immunology		3	90	60	150
TH4101	0403470202	Cell Biology		3	90	60	150
TH4277	0403470203	Metabolism		3	90	60	150
TH4273	0403470204	Proteins and Enzymes		3	90	60	150
TH4278	0403470205	Biophysical Techniques		2	60	40	100
TH4583	0403470206	Bioinformatics		2	60	40	100
TH4276	0403470207	Practicals in Enzymology		2	60	40	100
T4005	0403470208	Integrated Disaster Management		0	0	0	Non - Letter Grade Mandatory
			Total	18	540	360	900
			etive Course Group any one Course)				
TH4108	0403470209	Practicals in Animal Tissue Culture		2	60	40	100
TH4585	0403470210	Practicals in Bioinformatics		2	60	40	100
		Total	Required Credits	2	60	40	100
			mester : 3				
	1		Core Courses	_	1		1
TH4282	0403470301	Drug Discovery and Pharmacology		3	90	60	150
TH4279	0403470302	Genetic and Metabolic Engineering		3	90	60	150

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Annexure A

Catalog Course Code	Course Code	Course Title	Specialization	Credit	Continu ous Assess ment	Term End Examina tion	Total Marks
TH4109	0403470303	Practicals in Bioanalytical Techniques		3	90	60	150
TH4281	0403470304	Practicals in Clinical Biochemistry		3	90	60	150
TH4280	0403470305	Clinical Biochemistry		2	60	40	100
T1656	0403470306	Intellectual Property Rights		2	60	40	100
TH4106	0403470307	Introduction to Laboratory Animal Science		2	60	40	100
TH4283	0403470308	Structural Biology		2	60	40	100
	_		Total	20	600	400	1000

Semester : 4									
Generic Elective Course Group (Choose any one course)									
T4820	0403470401	Project			20	600	400	1000	
T4920	0403470402	Internship			20	600	400	1000	
			20	600	400	1000			



Semester	Continuous Assessment	Term End Examination	Total Credits	Total Marks
Semester 1	0	20	20	1000
Semester 2	0	20	20	1000
Semester 3	0	20	20	1000
Semester 4	0	20	20	1000
Total	0	80	80	4000

