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. 					
2.	DURATION (IN MONTHS)	24 (Full Time)					
3.	INTAKE	30					
4.	RESERVATION	I.Within the sanctioned intake	a) SC (In Percentage) b) ST (In Percentage) c) Differently ablee (In Percentage)				
			15		7.5	3	3
		II.Over and above the sanctioned intake a) Kashmiri Migrants (In Seats) b) International Students (In Percentage)					
		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	Written Test / Personal Interaction				
7.	MEDIUM OF INSTRUCTION	Engilsh					
8.	PROGRAMME PATTERN	Semester					
9.	COURSE & SPECIALIZATION	As per Annexure A					
10.	FEE	Academic Fee p.a Institute Deposit Total					
	Indian Students (Amount in INR)		240000		20000	26	50000
	International Students	NRI/ PIO/ OCI Category (Amount in US\$) 4700 275 4975					
		Foreign National Category (Amount in US\$)	1950		275	2	2225
11.	ASSESSMENT	The courses will have 60% Continuous Assessment and 40% Term End [University] examination however, some courses (not more than 30% of the total					

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		programme credits) may have 100% Continuous Assessment.
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 (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	Mandatory Non-Credit Course/s	Non-Letter Grade Audit Course/s	Total
				Common				
1	20	0	0	0	0	1		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

The revised programme structure supersedes the previously approved programme structure dated 01/07/2024 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

Catalog Course Code	Course Code	Course Title	Specialization	Credit	Continu ous Assess ment	Term End Examina tion	Total Marks			
	Semester : 1									
T114000	I a 400 4=0404		Core Courses			T 00	1.50			
TH4098		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			
TH4788	0403470108	Health and Wellness Module I		0	0	0	Mandatory Non-Credit Course			
			Total	20	600	400	1000			
			mester : 2 Core Courses							
TH4589	0403470201	Advanced Immunology		3	90	60	150			
TH4101	0403470202	Cell Biology		3	90	60	150			
TH4277	0403470203			3	90	60	150			
TH4273		Proteins and Enzymes		3	90	60	150			
TH4278		Biophysical Techniques		2	60	40	100			
TH4583		Bioinformatics		2	60	40	100			
TH4276	0403470207	Practicals in Enzymology		2	60	40	100			
TH4789	0403470208	Health and Wellness Module II		0	0	0	Mandatory Non-Credit Course			
			Total	18	540	360	900			
	Generic Elective Course Group (Choose 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			
	Semester : 3 Generic Core Courses									
TH4282	0403470301	Drug Discovery and Pharmacology		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
TH4279	0403470302	Genetic and Metabolic Engineering		3	90	60	150
TH4109	0403470303	Practicals in Bioanalytical Techniques		3	90	60	150
TH4281	0403470304	Practicals in Clinical Biochemistry		3	90	60	150
TH4280	0403470305			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
			mester : 4				
			any one course)				
T4820	0403470401	Project		20	600	400	1000
T4920	0403470402	Internship		20	600	400	1000
		Total	Required Credits	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

