S.No.	Nature of Course	Course Code	Course Title	Credits	
Semester I					
1.	Major*		Differential Calculus	4	
2.	Minor		From other Departments	4	
3.	Multidisciplinary		From other	3	
	Course		Departments/Swayam		
			Trigonometry and Theory		
			of Equations (For other		
			Departments)		
4.	Ability		From other	2	
	Enhancement		Departments/Swayam		
	Course				
5.	Skill		MATLAB /From other	3	
	Enhancement		Departments/Swayam		
	Course				
6.	Value Added		History of Mathematics in	2	
	Course		India 1 /From other		
			Departments/Swayam		
7.	Value Added		From other	2	
	Course		Departments/Swayam		
		Total Cr	edits	20	
	*This course i	is minor for stud	lents of other departments		
		Semeste	r II		
1	Major*		Analytical Geometry and	4	
			Tensor		
2.	Minor		From other Departments	4	
3.	Multidisciplinary		From other	3	
	Course		Departments/Swayam		
			Matrix Theory (For other		
			Departments)		
4.	Ability		From other	2	
	Enhancement		Departments/Swayam		
	Course				
5.	Skill		LaTeX /From other	3	
	Enhancement		Departments/Swayam		
	Course				
6.	Value Added		History of Mathematics in	2	
	Course		India 2 /From other		
			Departments/Swayam		
7.	Value Added		From other	2	
	Course		Departments/Swayam		
			Total Credits	20	

COURSE STRUCTURE OF UG-PG INTEGRATED COURSE IN MATHEMATICS

	*This course is minor for students of other departments		
	Summer For those who want to Exit		4
	Internship A		
		Semester III	
1.	Major*	Real Analysis 1	4
2.	Major*	Ordinary Differential	4
		Equations	
3.	Minor	From other Departments	4
4.	Multidisciplinary	From other	3
	Course	Departments/Swayam	
		Sets, Relations and	
		Functions (For other	
		Departments)	
5.	Ability	From other	2
	Enhancement	Departments/Swayam	
	Course		
6.	Skill	From other	3
	Enhancement	Departments/Swayam	
	Course		
		Total	20
	*This course is min	or for the students of other departments of odd	
		semesters	
		Somostor IV	
1.	Major*	Basic Linear Algebra	4
2.	Major*	Real Analysis II	4
3.	Major*	Probability and Probability	4
	N/aian	Distributions	
4.	Najor	Elementary Number Theory	
5.		From other Departments	4
б.	ADIIIty	From other	2
	Course	Departments/ Swayam	
	Course		
		Total	20
	*This course is m	ninor for the students of other departments of	20
		even semesters	
	Summer	For those who want to Exit	4
	Internship B		
		Semester V	

1.	Major*	Introduction to Group Theory	4	
2.	Major*	Multivariate Calculus	4	
3.	Major*	Statics	4	
4.	Major	Metric Space	2	
5.	Internship		2	
6.	Minor	From other Departments	4	
		Total	20	
*This course	e is minor for the stu	dents of other departments of odd semesters		
		Semester VI		
1.	Major*	Numerical Methods	4	
2.	Major*	Introduction to Rings and	4	
		Fields		
3.	Major*	Dynamics	4	
4.	Major*	Complex and Partial	4	
		Differential Equations		
5.	Minor	From other Departments	4	
		Total	20	
*This cour	se is minor for stude	nts of other departments of even semesters		
		Semester VII		
1.	Major*	Linear Algebra	4	
2.	Major*	Real Analysis	4	
3.	Major*	Discrete Mathematics	4	
4.	Major*	ODE and Laplace	4	
		Transformation		
5.	Minor	From other Departments	4	
		Total	20	
*This cour	rse is minor for stude	ents of other departments of odd semesters		
	Semeste	r VIII (without Project)		
1.	Major*	Тороlоду	4	
2.	Major*	Advanced Numerical Analysis	4	
3.	Major*	Operations Research and	4	
		Statistics		
4.	Major	Measure and Integration	4	
5.	Minor	From other Departments	4	
		Total	20	
*This course is minor for the students of other departments of even semesters				
Semester VIII (with Project)				
1.	Major	Topology	4	

2.	Project		12
3.	Minor		4
		Total	20
		Semester IX	
1.	Major	Complex Analysis	4
2	Major	Algebra 1	4
3	Major	Functional Analysis	4
4	Major	Partial Differential Equations	4
		and Fourier Analysis	
5.	Major	Algebra II	4
		Total	20
		Semester X	
1.	Major	Elective 1/Swayam	4
2	Major	Elective 2/Swayam	4
3	Major	Elective 3/Swayam	4
4	Major	Swayam	4
5	Major	Swayam	4
		Total	20
	-	OR	
	Project		20