		SVKM'	S NMIM	S						
	School of Mather	natics, A	pplied S	statistics & Analytics						
Course structure of B.Sc. (Hons) Mathematics (Batch 2020-23)										
	Semester I		Semester II							
Course No	Course	Credits	Course No	Course	Credits					
1	Elementary Calculus	4	1	Topology of Metric Spaces	4					
2	Linear Algebra	4	2	Real Analysis	4					
3	Elementary Number Theory	4	3	Elementary Probability	4					
4	Algorithms and Problem Solving Techniques	4	4	Discrete Mathematics and Graph Theory	4					
5	Numerical Methods	4	5	Ordinary Differential Equations	4					
6	Research Writing and Communication Skills	1	6	Logic of Mathematics	1					
7	Personal and people Management	1	7	Environmental Science	1					
	Total Credits	22			22					
	Second	Acade	mic yea	ır 2021-22)						
Semester III			Semester IV							
1	Complex Analysis (Theory)	4	1	Topology and Geometry (Theory)	4					
2	Complex Analysis (Practicals)	1	2	Topology and Geometry (Practicals)	1					
3	Multivariate Calculus (Theory)	4	3	Functional Analysis (Theory)	4					
4	Multivariate Calculus (Practicals)	1	4	Functional Analysis (Practicals)	1					
5	Theory of Optimization (Theory)	4	5	Vector Analysis (Theory)	4					
6	Theory of Optimization (Practicals)	1	6	Vector Analysis (Practicals)	1					
7	Abstract Algebra (Theory)	4	7	Measure Theory (Theory)	4					
8	Abstract Algebra (Practicals)	1	8	Measure Theory (Practicals)	1					
9	Partial Differential Equations (Theory)	4	9	Statistics and Machine Learning (Theory)	4					
10	Partial Differential Equations (Practicals)	1	10	Statistics and Machine Learning (Practicals)	1					
11	History of Mathematics	1	11	Microeconomics	1					
12	Literature	1	12	Presentation Techniques	1					
	Total Credits	27		Total Credits	27					

Hallton ;

Dr.Sushil Kulkarni Dean,SOMASA

		SVKM'	S NMIM	S					
School of Mathematics, Applied Statistics & Analytics									
Course structure of B.Sc. (Hons) Mathematics									
(Batch 2020-23) Third Year (Academic year 2022-23)									
Course No	Course	Credits	Course No	Course	Credits				
1	Fourier and Wavelet Analysis (Theory)	4	1	Analytic Number Theory (Theory)	4				
2	Fourier and Wavelet Analysis (Practicals)	1	2	Analytic Number Theory (Practicals)	1				
3	Sequence: Statistical and Deep Learning Approaches (Theory)	4	3	Applied Linear Algebra (Theory)	4				
4	Sequence: Statistical and Deep Learning Approaches (Practicals)	1	4	Applied Linear Algebra (Practicals)	1				
5	Coding Theory (Theory)	4	5	Natural Language Processing (Theory)	3				
6	Coding Theory (Practicals)	1	6	Natural Language Processing (Practicals)	1				
7	Julia Programming (Theory)	3	7	Introduction to Blockchain Technology(Theory)	3				
8	Julia Programming (Practicals)	1	8	Introduction to Blockchain Technology((Practicals)	1				
9	Project Exploration (Practicals)	6	9	Final Project with open Defence (Practicals)	6				
	Total Credits			Total Credits	24				

Total Credits	147
Total number of Subjects	56

Hallearni -

Dr.Sushil Kulkarni Dean,SOMASA