

ACY: 2020-2021

Sr. No.	Name of School	Name of Department	Name of Program	Name of the Course	Course Code	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Link to the relevant document
1	School of Technology	Mathematics	B.Sc. Mathematics	Calculus-I	20BSM101	2020	Core course: This course is set up to bridge the gap between academics, research and industry.	
2	School of Technology	Mathematics	B.Sc. Mathematics	Basic Mathematics-I	20BSM102	2020	Core course: This course is set up to bridge the gap between academics, research and industry.	
3	School of Technology	Mathematics	B.Sc. Mathematics	Elementary Algebra (Elective)	20BSM103	2020	Elective course: Job opportunities in industry and research lab.	
4	School of Technology	Mathematics	B.Sc. Mathematics	Calculus – II	20BSM104T	2020	Core course: The course contains fundamental understanding of calculus which proves important as far as skill development for facing interviews are concerned. Thereby improving the chances of employability.	
5	School of Technology	Mathematics	B.Sc. Mathematics	Basic Mathematics-II	20BSM105T	2020	Core course: This course is set up to bridge the gap between academics, research and industry.	
6	School of Technology	Mathematics	B.Sc. Mathematics	Theory of Equations	20BSM106E	2020	Elective course: The course enables students to understand all about polynomial equations and their solution methods, which will enhance their skillset as far various applications to engineering field are concerned.	
7	School of Technology	Mathematics	B.Sc. Mathematics	Analytic Geometry	20BSM201	2020	Core course: Critical thinking	
8	School of Technology	Mathematics	B.Sc. Mathematics	Basic Mathematics – III	20BSM202	2020	Core course: Analytical thinking	
9	School of Technology	Mathematics	B.Sc. Mathematics	Ordinary Differential Equations	20BSM203	2020	Core course: This course helps in solving various problems in science and engineering	
10	School of Technology	Mathematics	B.Sc. Mathematics	Analysis - I	20BSM 204	2020	Core course: Analytical thinking	
11	School of Technology	Mathematics	B.Sc. Mathematics	Probabilty and Statistics	20BSM205E	2020	Core course: Probability and Statiscs deals with data manegment, data analysis etc.	
12	School of Technology	Mathematics	B.Sc. Mathematics	Appllied Statistics	20BSM206T	2020	Core course: Statics is help full in data analytics, data mining etc.	
13	School of Technology	Mathematics	B.Sc. Mathematics	Partial Differential Equations	20BSM207T	2020	Core course: Problem Solving Skill	
14	School of Technology	Mathematics	B.Sc. Mathematics	Basic Linear Algebra	20BSM208T	2020	Core course: Job opportunities in industry and research lab.	
15	School of Technology	Mathematics	B.Sc. Mathematics	MATLAB	20BSM209P	2020	Lab course: Job opportunities in industry and research lab.	
16	School of Technology	Mathematics	B.Sc. Mathematics	Programming with Python and Matlab	20BSM210T	2020	Core course: Problem Solving Skill.	
17	School of Technology	Mathematics	B.Sc. Mathematics	Programming with Python and Matlab Lab	20BSM210P	2020	Lab course: Job opportunities in industry and research lab.	
18	School of Technology	Mathematics	B.Sc. Mathematics	Numerical Analysis	18BSM501	2018	Core course: Problem Solving Skill.	

19	School of Technology	Mathematics	B.Sc. Mathematics	Advanced Linear Algebra	19BSM502	2019	Core course: Job opportunities in industry and research lab.
20	School of Technology	Mathematics	B.Sc. Mathematics	Complex Analysis	19BSM503	2019	Core course: Analytical thinking
21	School of Technology	Mathematics	B.Sc. Mathematics	Fluid Mechanics	19BSM504	2019	Core course: This course enable students to understand many complex physical applications in real life.
22	School of Technology	Mathematics	B.Sc. Mathematics	Advanced Ordinary Differential Equation	19BSM506	2019	Core course: Problem Solving Skill
23	School of Technology	Mathematics	B.Sc. Mathematics	Special Functions	19BSM507E	2019	Elective course: Problem Solving Skill
24	School of Technology	Mathematics	B.Sc. Mathematics	Linear Programming	20BSM307T	2019	Core course: Problem Solving Skill
25	School of Technology	Mathematics	B.Sc. Mathematics	Analysis - II	20BSM308T	2019	Core course: Analytical thinking
26	School of Technology	Mathematics	B.Sc. Mathematics	Integral Transform	20BSM309T	2019	Core course: Skill to apply mathematics in real world problems
27	School of Technology	Mathematics	B.Sc. Mathematics	Modern Algebra	20BSM310T	2019	Core course: Pure mathematics course which sharpens students Analytical and Quantitative Thinking which helps students to face interviews for employability.
28	School of Technology	Mathematics	B.Sc. Mathematics	Object Oriented Programming	20BSM311T	2019	Core course: Student are able to get the idea of OOP programming and also know how to write the programm using C++
29	School of Technology	Mathematics	B.Sc. Mathematics	Financial Mathematics	20BSM312E	2019	Elective course: studies of financial mathematics is highly usefull to develop a career as financial analyst.
30	School of Technology	Mathematics	B.Sc. Mathematics	Discrete Maths	19BSM701	2019	Core course: Job opportunities in industry and research lab.
31	School of Technology	Mathematics	B.Sc. Mathematics	Operation Research	19BSM702	2019	Core course: Job opportunities in industry and research lab.
32	School of Technology	Mathematics	B.Sc. Mathematics	Statics & Dynamics	20BSM703T	2020	Core course: Statistics is helpful in understanding of physical problems.
33	School of Technology	Mathematics	B.Sc. Mathematics	Integral Equations	19BSM706	2019	Core course: Skill to apply mathematics in real world problems
34	School of Technology	Mathematics	B.Sc. Mathematics	Graph Theory	20BSM407T	2019	Core course: Problem Solving Skill
35	School of Technology	Mathematics	B.Sc. Mathematics	Differential Geometry	20BSM408T	2019	Core course: Job opportunities in industry and research lab.
36	School of Technology	Mathematics	B.Sc. Mathematics	Topology	20BSM409T	2019	Core course: Critical thinking
37	School of Technology	Mathematics	B.Sc. Mathematics	Mathematical Physics	20BSM410T	2019	Core course: Employability in teaching, research & industry
38	School of Technology	Mathematics	B.Sc. Mathematics	Number Theory	20BSM411T	2019	Core course: Problem Solving Skill