ACY: 2019-2020

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	19BSM101	2019	Core course: This course is set up to bridge the gap between academics, research and industry.	
2	School of Technology	Mathematics	B.Sc. Mathematics	General Mathematics-I	16BSM102	2016	Core course: This course is set up to bridge the gap between academics, research and industry.	
3	School of Technology	Mathematics	B.Sc. Mathematics	Linear Algebra	BSM103E	2016	Elective course: Job opportunities in industry and research lab.	
4	School of Technology	Mathematics	B.Sc. Mathematics	Calculus and Analytical Geometry-II	16BSM201T	2016	Core course: This course is set up to bridge the gap between academics, research and industry.	
5	School of Technology	Mathematics	B.Sc. Mathematics	General Mathematics-II	BSM202T	2016	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	BSM203E	2016	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	Calculus-III	19BSM301	2017	Core course: Foundational course which enables students to think analytically and apply that knowledge to various applications in sciences	
8	School of Technology	Mathematics	B.Sc. Mathematics	Ordinary Differential Equations	17BSM302	2017	Core course: This course helps in solving various problems in science and engineering	
9	School of Technology	Mathematics	B.Sc. Mathematics	Analysis - I	19BSM 304	2017	Core course: Analytical thinking	
10	School of Technology	Mathematics	B.Sc. Mathematics	Programming and Problem Solving through C Language Lab	BSM 304P	2017	Lab course: The course clears the fundamental of the students so they are able to work easly with industries.	
11	School of Technology	Mathematics	B.Sc. Mathematics	Applied Statistics	17BSM305	2017	Core course: Job opportunities in industry and research lab.	
12	School of Technology	Mathematics	B.Sc. Mathematics	Probability	17BSM401	2018	Core course: Job opportunities in industry and research lab.	
13	School of Technology	Mathematics	B.Sc. Mathematics	Partial Differential Equations	17BSM402	2018	Core course: Problem Solving Skill	
14	School of Technology	Mathematics	B.Sc. Mathematics	Basic Linear Algebra	19BSM403	2018	Core course: Job opportunities in industry and research lab.	
15	School of Technology	Mathematics	B.Sc. Mathematics	MATLAB		2018	Lab course: Job opportunities in industry and research lab.	
16	School of Technology	Mathematics	B.Sc. Mathematics	Programming with Python	19BSM406	2019	Core course: Problem Solving Skill.	
17	School of Technology	Mathematics	B.Sc. Mathematics	Programming with Python Lab	19BSM406P	2019	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	19BSM601	2019	Core course: Problem Solving Skill
25	School of Technology	Mathematics	B.Sc. Mathematics	Analysis - II	19BSM602	2019	Core course: Analytical thinking
26	School of Technology	Mathematics	B.Sc. Mathematics	Integral Transform	19BSM603	2019	Core course: Skill to apply mathematics in real world problems
27	School of Technology	Mathematics	B.Sc. Mathematics	Modern Algebra	19BSM604	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	19BSM605	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	19BSM606E	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	19BSM709	2019	Core course: Job opportunities in industry and research lab.
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	19BSM801	2019	Core course: Problem Solving Skill
35	School of Technology	Mathematics	B.Sc. Mathematics	Differential Geometry	19BSM802	2019	Core course: Job opportunities in industry and research lab.
36	School of Technology	Mathematics	B.Sc. Mathematics	Topology	19BSM803	2019	Core course: Critical thinking
37	School of Technology	Mathematics	B.Sc. Mathematics	Advanced Mathematical Physics	19BSM804	2019	Core course: Employability in teaching, research & industry
38	School of Technology	Mathematics	B.Sc. Mathematics	Number Theory	19BSM805	2019	Core course: Problem Solving Skill