Sardar Vallabhbhai National Institute of Technology (SVNIT) Surat Department of Mathematics

Bachelor of Technology in Wathematics and Computing (WaC)					
Sr.	Subject	Code	Scheme	Credits	Notional
No.			L-T-P	(Min.)	hours of
					Learning
					(Approx.)
	Fifth Semester (3 rd year of B.Tech. MaC)				
1	Ordinary Differential Equations and	MA305	3-0-2	4	85
	computations				
2	Foundation of Data Science	MA307	3-1-0	4	70
3	Machine Learning	MA/CS/AI3XX	3-0-2	4	85
4	Elective-III**	MA3AA	3-1-0	4	70/85
			3-0-2		
5	Elective-IV (Specialization#1)	MA/CS/AI3BB	3-X-X	4	70/85
			Total	20	380-410
	Sixth Semester (3 rd year of B.Tech. MaC)				
1	Optimization Techniques and Computing	MA306	3-0-2	4	85
2	Partial Differential Equation and Computing	MA308	3-0-2	4	85
3	Fundamentals Artificial Intelligence	MA/CS/AI3XX	3-1-0	4	70
4	Elective-V**	MA/CS/AI3CC	3-1-0	4	70/85
			3-2-0		
5	Elective-VI (Specialization#2)	MA/CS/AIXDD	3-X-X	4	70/85
			Total	20	380-410
6	Mini Project-II/	MAV06 /	0-0-10	5	200
	Vocational Training / Professional	MAP06			(20 x 10)
	Experience (Optional) (mandatory for exit)				

Bachelor of Technology in Mathematics and Computing (MaC)

Subject Code:##nXX; ##: Department Identity, n: Year, XX: Subject Sequence number XX: last digit 0 (subject offered in both ODD and EVEN semesters, XX: 01 to 30 – last digit ODD and EVEN for ODD and EVEN semesters (Mandatory Core), XX: 31 to 50 (Optional Core), XX: 51 to 99 (Elective), Subjects list for Minor and Honor (M/H#1-4), Subjects list for Specialization track (#1-4)EG: Engineering Subject, SC: Science Subject (offered combinedly by departments) (SVNIT Surat)