

SVKM'S NMIMS
Mukesh Patel School of Technology Management & Engineering
 Course Structure: Academic Year 2017-18
 Teaching Scheme: B. Tech. (1st Year)
(As approved in the Academic Council)

Name of the Programme : B. Tech. (Common for all branches)							Year: 2017 - 18					Semester : I/II								
S r. N o.	Module / Course Code	Name of the Module/ Course	Theory (Hours per week)	Practical (Hours per week)	Tutorial s (Hours per week)	Total Hours per week	Total Credits	Term End Exam Duration (Hrs)		Examination Scheme (Weightage)										Templat e Codes
								Written	Only ICA	*ICA					TEE (University / School)		Total			
										Test I	Test II	Term work	Total Marks	Scaled to (Marks)	Marks	Scaled to (Marks)	Marks	Weight age %		
Semester - I																				
1	BTAB01001	Engineering Mathematics - I	3	0	2	5	4	Written/ 3 hrs.	-	10	10	30	50	30	70	70	100	100	7008	
2	BTAB01002	Engineering Physics	3	2	0	5	4	Written/ 3 hrs.	-	10	10	30	50	30	70	70	100	100	7008	
3	BTAB01003	Basic Electrical Engineering	3	2	0	5	4	Written/ 3 hrs.	-	10	10	30	50	30	70	70	100	100	7008	
4	BTAB01004	Engineering Drawing	3	4	0	7	5	Practical / 3 hrs.	-	10	10	30	50	30	70*	70	100	100	7008	
5	BTAB01005	Engineering Mechanics-I	3	2	0	5	4	Written/ 3 hrs.	-	10	10	30	50	30	70	70	100	100	7008	
6	BTAB01006	Computer Programming-I	3	2	0	5	4	Written/ 3 hrs.	-	10	10	30	50	30	70	70	100	100	7008	
7	BTAB01007	Communication Skills	2	0	2	4	3	Written/ 3 hrs.	-	10	10	30	50	30	70	70	100	100	7008	
Total			20	12	4	36	28	21		70	70	210	350	210	490	490	700			
*Practical/TEE examination to be conducted at School level																				
Semester - II																				
1	BTET02001	Engineering Mathematics-II	3	0	2	5	4	Written/ 3 hrs.	-	10	10	30	50	30	70	70	100	100	7008	
2	BTET02002	Engineering Chemistry	3	2	0	5	4	Written/ 3 hrs.	-	10	10	30	50	30	70	70	100	100	7008	
3	BTET02003	Basic Electronics	3	2	0	5	4	Written/ 3 hrs.	-	10	10	30	50	30	70	70	100	100	7008	
4	BTET02004	Engineering Mechanics -II	3	0	2	5	4	Written/ 3 hrs.	-	10	10	30	50	30	70	70	100	100	7008	
5	BTET02005	Computer Programming-II	3	2	0	5	4	Written/ 3 hrs.		10	10	30	50	30	70	70	100	100	7008	
6	BTET02006	Workshop Practice	0	4	0	4	2	-	Only ICA	-	-	50	50	50	-	-	50	100	7003	
7	BTET02007	Constitution of India	2	0	0	2	0	-	Only ICA	10	10	30	50	50	-	-	50	100	7003	
Total			17	10	4	31	22	15		60	60	230	350	250	350	350	600			

SVKM'S NMIMS
Mukesh Patel School of Technology Management & Engineering
Course Structure: Year 2017-18
Teaching Scheme: B.Tech EXTC (2nd Year) For the Academic Year (2017 - 18)

Name of the Programme : B.Tech (EXTC)									Year: 2017 - 18					Semester : III								
Sr.No.	SAP Module Code	Module / Subject Code	Name of the Module	No. of Students booked for module	Theory (Per Week)	Practicals (Per Week)	Tutorials (Per Week)	Total no. of hours for the subject (Per Week)	Credit /s	Term End Exam Duration (Hrs)		Examination Scheme (Weightage)							Template Codes			
										Written	Only ICA	*ICA			TEE		Total					
												Test I	Test II	Term work	Total Marks	Scaled to (Marks)	Marks	Scaled to (Marks)		Marks	Weight age %	
Semester – III																						
1	BTET03001	BTET03001	Engineering Mathematics - III		3	0	2	5	4	3	-	15	15	20	50	30	70	70	100	100	7008	
2	BTET03002	BTET03002	Electrical Network Analysis and Synthesis		3	0	2	5	4	3	-	15	15	20	50	30	70	70	100	100	7008	
3	BTET03004	BTET03004	Electronic Circuit Analysis and Design		3	2	0	5	4	3	-	15	15	20	50	30	70	70	100	100	7008	
4	BTET03005	BTET03005	Signals and Systems		3	2	0	5	4	3	-	15	15	20	50	30	70	70	100	100	7008	
5	BTET03007	BTET03007	Environmental Studies		2	0	0	2	0	-	Only ICA	15	15	20	50	50	0	0	50	100	7003	
6	BTET03008	BTET03008	Digital Logic Design		3	2	0	5	4	3	-	15	15	20	50	30	70	70	100	100	7008	
7	BTET03009	BTET03009	Object Oriented Programming		3	2	0	5	4	3	-	15	15	20	50	30	70	70	100	100	7008	
Total					20	8	4	32	24	18	0	105	105	140	350	230	420	420	650	700		
Semester – IV																						
1	BTET04001	BTET04001	Probability and Random Processes		3	0	2	5	4	3	-	15	15	20	50	30	70	70	100	100	7008	
2	BTET04003	BTET04003	Electromagnetic Field Theory		3	0	2	5	4	3	-	15	15	20	50	30	70	70	100	100	7008	
3	BTET04004	BTET04004	Instrumentation		3	2	0	5	4	3	-	15	15	20	50	30	70	70	100	100	7008	
4	BTET04005	BTET04005	Analog Integrated Circuits and Applications		3	2	0	5	4	3	-	15	15	20	50	30	70	70	100	100	7008	
5	BTET04008	BTET04008	Communication Systems		3	2	0	5	4	3	-	15	15	20	50	30	70	70	100	100	7008	
6	BTET04009	BTET04009	Control System Engineering		3	2	0	5	4	3	-	15	15	20	50	30	70	70	100	100	7008	
7	BTET04010	BTET04010	Implementation of Technology - I		0	2	0	2	1	-	Only ICA	15	15	20	50	50	0	0	50	100	7003	
Total					18	10	4	32	25	18	0	105	105	140	350	230	420	420	650	700		

SVKM'S NMIMS
Mukesh Patel School of Technology Management & Engineering
Course Structure: Year 2017-18
Teaching Scheme: B.Tech EXTC (3rd Year) For the Academic Year (2017 - 18)

Name of the Programme : B.Tech (EXTC)									Year: 2017 - 18				Semester : V									
Sr.No.	SAP Module Code	Module / Subject Code	Name of the Module	No. of Students booked for module	Theory (Per Week)	Practicals (Per Week)	Tutorials (Per Week)	Total no. of hours for the subject (Per Week)	Credit /s	Term End Exam Duration (Hrs)		Examination Scheme (Weightage)						Template Codes				
										Written	Only ICA	*ICA			TEE		Total					
												Test I	Test II	Term work	Total Marks	Scaled to (Marks)	Marks		Scaled to (Marks)	Marks	Weight age %	
Semester – V																						
1	BTET05001	BTET05001	Microprocessor Based Systems		3	2	0	5	4	3	-	15	15	20	50	30	70	70	100	100	7008	
2	BTET05003	BTET05003	Fundamentals of Microwave Engineering		3	2	0	5	4	3	-	15	15	20	50	30	70	70	100	100	7008	
3	BTET05007	BTET05007	Professional Ethics		0	0	2	2	1	-	Only ICA	15	15	20	50	50	0	0	50	100	7003	
4	BTET05008	BTET05008	Programming for Analytics		3	0	0	3	3	-	Only ICA	15	15	20	50	50	0	0	50	100	7003	
5	BTET05009	BTET05009	Radiating Systems and Wave Propagation		3	2	0	5	4	3	-	15	15	20	50	30	70	70	100	100	7008	
6	BTET05010	BTET05010	Discrete Time Signal Processing		3	2	0	5	4	3	-	15	15	20	50	30	70	70	100	100	7008	
7	BTET05011	BTET05011	Digital System Design		3	2	0	5	4	3	-	15	15	20	50	30	70	70	100	100	7008	
8	BTET05012	BTET05012	Implementation of Technology - II		0	2	0	2	1	-	Only ICA	15	15	20	50	50	0	0	50	100	7003	
	Total				18	12	2	32	25	15	0	120	120	160	400	300	350	350	650	800		
Semester – VI																						
1	BTET06001	BTET06001	Programming in JAVA		3	2	0	5	4	3	-	15	15	20	50	30	70	70	100	100	7008	
2	BTET06002	BTET06002	Computer Communication Networks		3	2	0	5	4	3	-	15	15	20	50	30	70	70	100	100	7008	
3	BTET06003	BTET06003	Microcontrollers and Embedded Systems		3	2	0	5	4	3	-	15	15	20	50	30	70	70	100	100	7008	
4	BTET06005	BTET06005	Industrial Economics and Management		3	0	0	3	3	3	-	15	15	20	50	30	70	70	100	100	7008	
5	BTET06006	BTET06006	RF Circuit Design		3	2	0	5	4	3	-	15	15	20	50	30	70	70	100	100	7008	
6	BTET06007	BTET06007	Minor Project		0	4	0	4	2	-	Only ICA	0	0	50	50	50	0	0	50	100	7003	
7	BTET06008	BTET06008	Business Visualization		2	0	0	2	2	-	Only ICA	15	15	20	50	50	0	0	50	100	7003	
8	BTET06010	BTET06010	Digital Television Systems		3	2	0	5	4	3	-	15	15	20	50	30	70	70	100	100	7008	
9	BTET06011	BTET06011	Digital Communication		3	2	0	5	4	3	-	15	15	20	50	30	70	70	100	100	7008	
	Total				23	16	0	39	31	21	0	120	120	210	450	310	490	490	800	900		

SVKM'S NMIMS
Mukesh Patel School of Technology Management & Engineering
Course Structure: Year 2018-19
Teaching Scheme: B.Tech EXTC (4th Year) For the Academic Year (2018 - 19)

Name of the Programme : B.Tech (EXTC)							Year: 2018 - 19					Semester : VII											
Sr.No.	Module / Subject Code	Name of the Module	Theory (Per Week)	Practicals (Per Week)	Tutorials (Per Week)	Total no. of hours for the subject (Per Week)	Credit/s	Credit/s types	Term End Exam Duration (Hrs)		Mode of Exam	Examination Scheme (Weightage)										Template Codes	GR applicable (Yes / No)
									Written	Only ICA		ICA					TEE		Total				
											Test I	Test II	Term work*	Total Marks	Scaled to (Marks)	Marks	Scaled to (Marks)	Marks	Weightage %				
Semester – VII																							
1	BTET07001	Optical Fiber Communication	3	2	0	5	4	Full Credit	3	-	Written	15	15	20	50	30	70	70	100	100	7008	Yes	
2	BTET07002	Wireless Communication Technology	3	2	0	5	4	Full Credit	3	-	Written	15	15	20	50	30	70	70	100	100	7008	Yes	
3	BTET07003	Project Phase I	0	8	0	8	4	Full Credit	-	Only ICA	-	0	0	100	100	100	0	0	100	100	7003	No	
Elective I (Any One)																							
4	BTET07004	Image and Video Processing	3	2	0	5	4	Full Credit	3	-	Written	15	15	20	50	30	70	70	100	100	7008	Yes	
5	BTET07005	Advanced Microcontrollers	3	2	0	5	4	Full Credit	3	-	Written	15	15	20	50	30	70	70	100	100	7008	Yes	
6	BTET07006	Robotics	3	2	0	5	4	Full Credit	3	-	Written	15	15	20	50	30	70	70	100	100	7008	Yes	
Elective II (Any One)																							
7	BTET07007	Machine Learning	3	2	0	5	4	Full Credit	3	-	Written	15	15	20	50	30	70	70	100	100	7008	Yes	
8	BTET07008	Introduction to Automation	3	2	0	5	4	Full Credit	3	-	Written	15	15	20	50	30	70	70	100	100	7008	Yes	
9	BTET07009	Multimedia Signal Compression	3	2	0	5	4	Full Credit	3	-	Written	15	15	20	50	30	70	70	100	100	7008	Yes	
10	BTET07010	VLSI Design and Technology	3	2	0	5	4	Full Credit	3	-	Written	15	15	20	50	30	70	70	100	100	7008	Yes	
			12	16	0	28	20		12			60	60	180	300	220	280	280	500	500			

Semester – VIII																							
1	BTET08001	Digital Voice and Broadband Communication	3	2	0	5	4	Full Credit	3	-	Written	15	15	20	50	30	70	70	100	100	7008	Yes	
2	BTET08002	Satellite Communication and Radar	3	2	0	5	4	Full Credit	3	-	Written	15	15	20	50	30	70	70	100	100	7008	Yes	
3	BTET08003	Project Phase II	0	8	0	8	4	Full Credit	-	Only ICA	-	0	0	100	100	100	0	0	100	100	7003	No	
4	BTET08011	Elements of Biology	3	0	2	5	4	Full Credit	3	-	Written	15	15	20	50	30	70	70	100	100	7008	Yes	
Elective III																							
5	BTET08004	Embedded Systems	3	2	0	5	4	Full Credit	3	-	Written	15	15	20	50	30	70	70	100	100	7008	Yes	
6	BTET08005	Network Design and Planning	3	2	0	5	4	Full Credit	3	-	Written	15	15	20	50	30	70	70	100	100	7008	Yes	
7	BTET08006	Data Encryption and Network Security	3	2	0	5	4	Full Credit	3	-	Written	15	15	20	50	30	70	70	100	100	7008	Yes	
Elective IV																							
8	BTET08007	Speech Processing	3	2	0	5	4	Full Credit	3	-	Written	15	15	20	50	30	70	70	100	100	7008	Yes	
9	BTET08008	Fuzzy Logic and Neural Networks	3	2	0	5	4	Full Credit	3	-	Written	15	15	20	50	30	70	70	100	100	7008	Yes	
10	BTET08009	Mobile Computing	3	2	0	5	4	Full Credit	3	-	Written	15	15	20	50	30	70	70	100	100	7008	Yes	
11	BTET08010	Internet of Things	3	2	0	5	4	Full Credit	3	-	Written	15	15	20	50	30	70	70	100	100	7008	Yes	
			15	16	2	33	24		15			75	75	200	350	250	350	350	600	600			

*Term Work = Viva / Presentations/ Journals/ assignments/ quizzes / MCQs/Business plans/Role plans etc.

Syllabus common for B.Tech(EXTC) and MBA Tech (EXTC) can use common question paper.

NUE = Non University Examination (Examination conducted at school level)