

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. (Information Technology)							Year: 2017 - 18					Semester : I							
Sr. No.	Module / Course Code	Name of the Module/ Course	Theory (Hours per week)	Practical (Hours per week)	Tutorials (Hours per week)	Total Hours per week	Total Credits	Term End Exam Duration (Hrs)		Examination Scheme (Weightage)								Template 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

Name of the Programme : B. Tech. (Information Technology)							Year: 2017 - 18					Semester : II							
Sr. No.	Module / Course Code	Name of the Module/ Course	Theory (Hours per week)	Practical (Hours per week)	Tutorials (Hours per week)	Total Hours per week	Total Credits	Term End Exam Duration (Hrs)		Examination Scheme (Weightage)								Template 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 - II																			
1	BTIT02001	Engineering Mathematics-II	3	0	2	5	4	Written/3 hrs.	-	10	10	30	50	30	70	70	100	100	7008
2	BTIT02002	Engineering Chemistry	3	2	0	5	4	Written/3 hrs.	-	10	10	30	50	30	70	70	100	100	7008
3	BTIT02003	Basic Electronics	3	2	0	5	4	Written/3 hrs.	-	10	10	30	50	30	70	70	100	100	7008
4	BTIT02004	Engineering Mechanics -II	3	0	2	5	4	Written/3 hrs.	-	10	10	30	50	30	70	70	100	100	7008
5	BTIT02005	Computer Programming-II	3	2	0	5	4	Written/3 hrs.		10	10	30	50	30	70	70	100	100	7008
6	BTIT02006	Workshop Practice	0	4	0	4	2	-	Only ICA	-	-	50	50	50	-	-	50	100	7003
7	BTIT02007	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		

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School Name: **MUKESH PATEL SCHOOL OF TECHNOLOGY MANAGEMENT & ENGINEERING**

Template Codes for Academic year: 2017-18

Campus: MUMBAI

(As approved in the Academic Council)

Name of the Programme: B.Tech - Information Technology							Semester: <u>III</u>			Year: 2017 - 18									
Sr. No.	Module / Course Code	Name of the Module	Theory	Practicals	Tutorials	Total no. of hours for the subject	Credit/s	Term End Exam Duration		Examination Scheme (Weightage)								Template Codes	
								Written/ Online	Only ICA	*ICA				TEE		Total			
										Test I	Test II	Term work	Total Marks	Scaled to (marks)	Marks	Scaled to (marks)	Marks		Weightage %
1	BTIT03001	Engineering Mathematics - III	3	0	2	5	4	3		15	15	20	50	30	70	70	100	100	7008
2	BTIT03002	Environmental Studies	2	0	0	2	0		Only ICA	15	15	20	50	50	-	-	50	100	7003
3	BTIT03003	Data Structures and Algorithms	3	2	1	6	4.5	3		15	15	20	50	30	70	70	100	100	7008
4	BTIT03004	Digital Logic Design	3	2	1	6	4.5	3		15	15	20	50	30	70	70	100	100	7008
5	BTIT03005	Database Management Systems	3	2	1	6	4.5	3		15	15	20	50	30	70	70	100	100	7008
6	BTIT03006	Programming Workshop	1	2	0	3	2		Only ICA	15	15	20	50	50	-	-	50	100	7003
7	BTIT03007	Signals and Systems	3	2	0	5	4	3		15	15	20	50	30	70	70	100	100	7008
Total			18	10	5	33	23.5	15		105	105	140	350	250	350	350	600	700	

* ICA Component may vary from programme to programme, therefore changes to be made accordingly.

Name of the Programme: B.Tech - Information Technology							Semester: <u>IV</u>			Year: 2017 - 18									
Sr. No.	Module / Course Code	Name of the Module	Theory	Practicals	Tutorials	Total no. of hours for the subject	Credit/s	Term End Exam Duration		Examination Scheme (Weightage)								Template Codes	
								Written/ Online	Only ICA	*ICA				TEE		Total			
										Test I	Test II	Term work	Total Marks	Scaled to (marks)	Marks	Scaled to (marks)	Marks		Weightage %
1	BTIT04001	Engineering Mathematics IV	3	0	2	5	4	3		15	15	20	50	30	70	70	100	100	7008
2	BTIT04002	Computer Organization & Architecture	2	0	1	3	2.5	3		15	15	20	50	30	70	70	100	100	7008
3	BTIT04003	Microprocessor and Microcontroller	2	2	1	5	3.5	3		15	15	20	50	30	70	70	100	100	7008
4	BTIT04004	Operating Systems	3	2	1	6	4.5	3		15	15	20	50	30	70	70	100	100	7008
5	BTIT04005	Web Programming	2	2	0	4	3		Only ICA	15	15	20	50	50	-	-	50	100	7003
6	BTIT04006	Implementation of Technology	0	2	0	2	1		Only ICA			50	50	50	-	-	50	100	7003
7	BTIT04007	Principles of Communication Engineering	3	2	0	5	4	3		15	15	20	50	30	70	70	100	100	7008
Total			15	10	5	30	22.5	15		90	90	170	350	250	350	350	600	700	

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Template Codes for Academic year: 2017-18

Campus: MUMBAI

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Name of the Programme: B.Tech - Information Technology							Semester: V			Year: 2017 - 18										
Sr. No.	Module / Course Code	Name of the Module	Theory	Practicals	Tutorials	Total no. of hours for the subject	Credits	Term End Exam Duration		Examination Scheme (Weightage)										Template Codes
								Written/ Online	Only ICA	*ICA				TEE		Total				
										Test I	Test II	Term work	Total Marks	Scaled to (marks)	Marks	Scaled to (marks)	Marks	Weightage		
1	BTIT05001	Unix Programming	1	2	0	3	2		Only ICA	15	15	20	50	50	-	-	50	100	7003	
2	BTIT05002	Software Engineering	2	2	1	5	3.5	3		15	15	20	50	30	70	70	100	100	7008	
3	BTIT05003	Principles of Economics and Management	2	0	0	2	2	3		15	15	20	50	30	70	70	100	100	7008	
4	BTIT05004	Computer Simulation and Modeling	2	2	1	5	3.5	3		15	15	20	50	30	70	70	100	100	7008	
5	BTIT05105	Computer Networks	3	2	1	6	4.5	3		15	15	20	50	30	70	70	100	100	7008	
6	BTIT05006	Distributed Computing	3	2	0	5	4	3		15	15	20	50	30	70	70	100	100	7008	
7	BTIT05007	Research Methodology	0	2	0	2	1		Only ICA			50	50	50	-	-	50	100	7003	
8	BTIT05008	Ethics for IT Users	0	0	2	2	1		Only ICA			50	50	50	-	-	50	100	7003	
Total			13	12	5	30	21.5	15		90	90	220	400	300	350	350	650	800		

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Name of the Programme: B.Tech - Information Technology							Semester: VI			Year: 2017 - 18										
Sr. No.	Module / Course Code	Name of the Module	Theory	Practicals	Tutorials	Total no. of hours for the subject	Credits	Term End Exam Duration		Examination Scheme (Weightage)										Template Codes
								Written/ Online	Only ICA	*ICA				TEE		Total				
										Test I	Test II	Term work	Total Marks	Scaled to (marks)	Marks	Scaled to (marks)	Marks	Weightage		
1	BTIT06002	Object Oriented Analysis and Design	3	2	1	6	4.5	3		15	15	20	50	30	70	70	100	100	7008	
2	BTIT06103	Wireless Networking	3	2	0	5	4	3		15	15	20	50	30	70	70	100	100	7008	
3	BTIT06104	Advanced Computer Networks	3	2	1	6	4.5	3		15	15	20	50	30	70	70	100	100	7008	
4	BTIT06005	Parallel Computing	3	2	1	6	4.5	3		15	15	20	50	30	70	70	100	100	7008	
5	BTIT06106	Mobile Application Development	1	2	0	3	2		Only ICA	15	15	20	50	50	-	-	50	100	7003	
6	BTIT06008	Introduction to Cloud Computing	3	0	1	4	3.5	3		15	15	20	50	30	70	70	100	100	7008	
7	BTIT06009	Programming for Analytics	3	0	0	3	3		Only ICA	15	15	20	50	50	-	-	50	100	7003	
Total			19	10	4	33	26	15		105	105	140	350	250	350	350	600	700		

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SVKM's NMIMS

School Name: **MUKESH PATEL SCHOOL OF TECHNOLOGY MANAGEMENT & ENGINEERING**

Template Codes for Academic year: 2018-19

Campus: MUMBAI

(As approved in the Academic Council)

Name of the Programme: B.Tech - Information Technology								Semester: VII			Year: 2018 - 19												
Sr. No.	Module / Subject Code	Name of the Module	Theory Hours per week	Practicals Hours per week	Tutorials Hours per week	Total no. of hours for the subject	Credit/s	Credit/s types	Duration of Examination (Hrs)		Mode of Exam	Examination Scheme (Weightage)								Template Codes	GR Applicable (Yes/No)	Remark	
									Term End Examination	Only ICA		Distribution of ICA Marks					TEE		Total				
												Test I	Test II	Term work *	Total Marks	Scaled to (marks)	Marks (Question Paper)	Scaled to (marks)	Marks (ICA+ TEE)				Weightage %
1	BTIT07011	Data Warehousing and Mining	3	2	1	6	4.5	full credit	3		Written	15	15	20	50	30	70	70	100	100	7008	Yes	
2	BTIT07002	Software Project Management	2	2	1	5	3.5	full credit	3		Written	15	15	20	50	30	70	70	100	100	7008	Yes	
3	BTIT07003	Information Security	3	2	0	5	4	full credit	3		Written	15	15	20	50	30	70	70	100	100	7008	Yes	
4	BTIT07004	Project - I	0	8	0	8	4	full credit		2					100	100	-	-	100	100	7003	No	
5	BTIT07010	Ethics for IT Organization	0	0	2	2	1	half credit		2		15	15	20	50	50	-	-	50	100	7003	No	
6		Elective I	3	2	1	6	4.5	full credit	3		Written	15	15	20	50	30	70	70	100	100	7008	Yes	
		Total	11	16	5	32	21.5		12			75	75	200	350	270	280	280	550	600			

Elective I

Module / Subject Code	Name of the Module
BTIT07005	Management Information Systems
BTIT07006	Multimedia Systems
BTIT07007	Artificial Intelligence
BTIT07009	Information Storage and Management
BTIT07012	Internet of Things

Name of the Programme: B.Tech - Information Technology								Semester: VIII				Year: 2018 - 19											
Sr. No.	Module / Subject Code	Name of the Module	Theory Hours per week	Practicals Hours per week	Tutorials Hours per week	Total no. of hours for the subject	Credit/s	Credit/s types	Duration of Examination (Hrs)		Mode of Exam	Examination Scheme (Weightage)								Template Codes	GR Applicabl e(Yes/No)	Remark	
									Term End Examination	Only ICA		Distribution of ICA Marks				TEE		Total					
												Test I	Test II	Term work *	Total Marks	Scaled to (marks)	Marks (Question Paper)	Scaled to (marks)	Marks (ICA+ TEE)				Weightage %
1	BTIT08001	System Administration	1	2	0	3	2	half credit		2		15	15	20	50	50	-	-	50	100	7003	No	
2	BTIT08011	Service Oriented Architecture	3	2	0	5	4	full credit	3		Written	15	15	20	50	30	70	70	100	100	7008	Yes	
3	BTIT08003	Electronic Commerce	2	2	0	4	3	full credit	3		Written	15	15	20	50	30	70	70	100	100	7008	Yes	
4	BTIT08012	Business Visualization	2	0	0	2	2	half credit		2		15	15	20	50	50	-	-	50	100	7003	No	
5	BTIT08004	Project - II	0	12	0	12	6	full credit		2				200	200	200	-	-	200	100	7003	No	
6		Elective II	3	2	1	6	4.5	full credit	3		Written	15	15	20	50	30	70	70	100	100	7008	Yes	
Total			11	20	1	32	21.5		9			75	75	300	450	390	210	210	600	600			

Elective II

Module / Subject Code	Name of the Module
BTIT08005	Robotics
BTIT08006	High Speed Networking Architecture and Protocols
BTIT08007	Information Security Assurance and Forensics
BTIT08008	Advanced Database Management System
BTIT08009	Cloud Computing
BTIT08010	Human Computer Interaction

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

syllabus common B.Tech (Information Technology) and MBA(Tech.) Information Technology, can use common question paper.

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