

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				
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)		*ICA			Examination Scheme (Weightage)			Total		Template Codes	
								Written	Only ICA	Test I	Test II	Term work	Total Marks	Scaled to (Marks)	Marks	TEE (University / School examination)	Marks		Weight age %
Semester - I																			
1	BTAB01001	Engineering Mathematics - I	3	0	2	5	4	Written/ 3 hrs.	-	15	15	20	50	30	70	70	100	100	7008
2	BTAB01002	Engineering Physics	3	2	0	5	4	Written/ 3 hrs.	-	15	15	20	50	30	70	70	100	100	7008
3	BTAB01003	Basic Electrical Engineering	3	2	0	5	4	Written/ 3 hrs.	-	15	15	20	50	30	70	70	100	100	7008
4	BTAB01004	Engineering Drawing	3	4	0	7	5	Practical/ 3 hrs.	-	15	15	20	50	30	70*	70	100	100	7008
5	BTAB01005	Engineering Mechanics-I	3	2	0	5	4	Written/ 3 hrs.	-	15	15	20	50	30	70	70	100	100	7008
6	BTAB01006	Computer Programming-I	3	2	0	5	4	Written/ 3 hrs.	-	15	15	20	50	30	70	70	100	100	7008
7	BTAB01007	Communication Skills	2	0	2	4	3	Written/ 3 hrs.	-	15	15	20	50	30	70	70	100	100	7008
Total			20	12	4	36	28	21	-	105	105	140	350	210	490	490	700	700	
Semester - II																			
1	BTAB02001	Engineering Mathematics-II	3	0	2	5	4	Written/ 3 hrs.	-	15	15	20	50	30	70	70	100	100	7008
2	BTAB02002	Engineering Chemistry	3	2	0	5	4	Written/ 3 hrs.	-	15	15	20	50	30	70	70	100	100	7008
3	BTAB02003	Basic Electronics	3	2	0	5	4	Written/ 3 hrs.	-	15	15	20	50	30	70	70	100	100	7008
4	BTAB02004	Engineering Mechanics -II	3	0	2	5	4	Written/ 3 hrs.	-	15	15	20	50	30	70	70	100	100	7008
5	BTAB02005	Computer Programming-II	3	2	0	5	4	Written/ 3 hrs.	-	15	15	20	50	30	70	70	100	100	7008
6	BTAB02006	Workshop Practice	0	4	0	4	2	-	Only ICA	-	-	50	50	50	-	-	50	100	7003
7	BTAB02007	Constitution of India	2	0	0	2	0	-	Only ICA	15	15	20	50	50	-	-	50	100	7003
Total			17	10	4	31	22	15	-	90	90	170	350	250	350	350	600	600	



Dr. V. R. Lakshmi Gorfy
(HoD's Signature)

Signature of the Dean
(with-Date)

Date: 17th June 2017

*Practical / TEE examination to be conducted at School level

SVKM's NMIMS
 School Name: **MUKESH PATEL SCHOOL OF TECHNOLOGY MANAGEMENT & ENGINEERING**
 Template Codes for Academic year: 2017-18 Campus: SHIRPUR

Name of the Programme: B.Tech Computer Science		Semester: III											Year: 2017-18						
		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	Credits	Term End Exam Duration		*ICA				Examination Scheme (Weightage)		Total	
										Written	Only ICA	Test I	Test II	Term work	Total Marks	Scaled to (marks)	Marks to	Scaled to (marks)	Marks
1	BTCC03001	Engineering Mathematics -III	3	0	2	5	4	3		15	15	20	50	30	70	70	100	100	
2	BTCC03002	Data Structures	3	2	0	5	4	3		15	15	20	50	30	70	70	100	100	
3	BTCC03003	Discrete Structures	3	0	2	5	4	3		15	15	20	50	30	70	70	100	100	
4	BTCC03004	Digital Logic Design	3	2	0	5	4	3		15	15	20	50	30	70	70	100	100	
5	BTCC03005	Numerical Techniques	2	2	0	4	3	0	2	15	15	20	50	50	0	0	50	100	
6	BTCC03006	Database Management System	3	2	0	5	4	3	3	15	15	20	50	30	70	70	100	100	
7	BTCC03008	Programming Laboratory- I	1	2	0	3	2	0	2	15	15	20	50	50	0	0	50	100	
				18	10	4	32	25		105	105	140	350	250	350	350	600	600	

Date: July 17, 2017



Head, Computer Science Department




Dean/ Director, MPSTME

SVKM's NMIMS
 School Name: **MUKESH PATEL SCHOOL OF TECHNOLOGY MANAGEMENT & ENGINEERING**
 Template Codes for Academic year: 2017-18
 Campus: SHIRPUR

Name of the Programme: B.Tech Computer Science		Year: 2017-18														
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	Credits	Term End Exam				Examination Scheme (Weightage)				Total
								Duration		ICA		TEE		TEE		
								Written	Only ICA	Test I	Test II	Term work	Total Marks	Scaled to (marks)	Marks to (marks)	
1	BTCC04001	Engineering Mathematics IV	3	0	2	5	4	3		15	15	30	70	70	100	100
2	BTCC04002	Computer Organization and Architecture	3	0	0	3	3	3		15	15	30	70	70	100	100
3	BTCC04003	Operating System	3	2	0	5	4	3		15	15	30	70	70	100	100
4	BTCC04004	Computer Networks	3	2	0	5	4	3		15	15	30	70	70	100	100
5	BTCC04010	Theoretical Computer Science	3	0	2	5	4	3		15	15	30	70	70	100	100
6	BTCC04006	Analog & Digital Communications	3	2	0	5	4	3		15	15	30	70	70	100	100
7	BTCC04007	Environmental Studies	2	0	0	2	0	0	Only ICA	15	15	30	70	70	100	100
8	BTCC04011	Programming Laboratory- II	1	2	0	3	2	0	2	15	15	30	70	70	100	100
9	BTCC04009	Professional Ethics	2	0	0	2	2	0	Only ICA	15	15	30	70	70	100	100
			23	8	4	35	27			135	135	270	420	420	750	750

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Dean/ Director, MPS TME

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Campus: SHIRPUR

Name of the Programme: B.Tech Computer Science		Semester: V										Year: 2017-18																					
		Theory (Hours per week)		Practicals (Hours per week)		Tutorials (Hours per week)		Total no. of hours for the subject		Credits		Term End Exam Duration		Examination Scheme (Weightage)																			
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		Credits		Written		Only ICA		Test I		Test II		Term work		ICA		Scaled to (marks)		Scaled to (marks)		TEE		Total	
1	BTCC05002	Software Engineering		3	2	2	0	5	4	3	15	15	20	50	30	70	100	100															
2	BTCC05003	Microprocessor & Microcontroller		3	2	2	0	5	4	3	15	15	20	50	30	70	100	100															
3	BTCC05004	Design & Analysis of Algorithms		3	2	2	0	5	4	3	15	15	20	50	30	70	100	100															
4	BTCC05005	Computer Graphics		3	2	2	0	5	4	3	15	15	20	50	30	70	100	100															
5	BTCC05006	Digital Signal Processing		3	2	2	0	5	4	3	15	15	20	50	30	70	100	100															
6	BTCC05007	Research Methodology		2	2	2	0	4	3	0	1	15	15	20	50	0	0	0	50	100													
7	BTCC05008	Programming for Analytics		3	0	0	0	3	3	0	1	15	15	20	50	0	0	0	50	100													
				20	12	0	0	32	26		105	105	140	350	250	350	600	600															

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Campus: SHIRPUR

Template Codes for Academic year: 2017-18

Name of the Programme: B.Tech Computer Science		Semester: VI										Year: 2017-18 Revised Scheme						
St. 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	Credits	Term End Exam Duration		ICA			Examination Scheme (Weightage)			Total		
								Written	Only ICA	Test I	Test II	Term work	Total Marks	Scaled to (marks)	Marks to		Scaled to (marks)	Marks to
1	BTCO06001	Object Oriented Software Engineering	3	2	0	5	4	3		15	15	20	50	30	70	70	100	100
2	BTCO06002	Image Processing	3	2	0	5	4	3		15	15	20	50	30	70	70	100	100
3	BTCO06003	Fundamentals of Web Technology	3	2	0	5	4	3		15	15	20	50	30	70	70	100	100
4	BTCO06004	Industrial Economics and Management	3	0	0	3	3	3		15	15	20	50	30	70	70	100	100
5	BTCO06015	Programming Laboratory- III	1	2	0	3	2	0	2	15	15	20	50	30	70	70	100	100
6	BTCO06014	Business Visualization	2	0	0	2	2	1	1	15	15	20	50	30	70	70	100	100
7	BTCO06016	Theoretical computer Science	3	0	2	5	4	3		15	15	20	50	30	70	70	100	100
8		Elective-I	3	2	0	5	4	3		15	15	20	50	30	70	70	100	100
			21	10	2	33	27			120	120	160	400	280	420	420	700	700

BTCO06007	Elective-I (Any One)
BTCO06008	Advanced Computer Networks
BTCO06009	Advanced Database Management System
BTCO06010	Unix Programming
BTCO06011	Information Storage and Management
BTCO06012	Operation Research
BTCO06013	Human Computer Interface

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 Template Codes for Academic year: 2017-18
 Campus: SHIRPUR

Name of the Programme: B.Tech Computer Science		Semester: VII		Year: 2017-18		Examination Scheme (Weightage)												
						Term End Exam Duration		ICA		TEE		Total						
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	Credits	Written	Only ICA	Test I	Test II	Term work	Total Marks	Scaled to (marks)	Marks to (marks)	Scaled to (marks)	Marks	Weightage%
1	BTCC07001	Distributed Computing	3	2	0	5	4	3		15	15	20	50	40	60	60	100	100
2	BTCC07013	Artificial Intelligence	3	2	0	5	4	3		15	15	20	50	40	60	60	100	100
3	BTCC07003	Data Warehousing and Mining	3	2	0	5	4	3		15	15	20	50	40	60	60	100	100
4	BTCC07004	Project-I	0	8	0	8	4	0	Only ICA	0	0	100	100	100	0	0	100	100
5		Elective-II	3	2	0	5	4	3		15	15	20	50	40	60	60	100	100
			12	16	0	28	20			60	60	180	300	260	240	240	500	500

BTCC07006	Elective-II (Any One)
BTCC07007	Introduction to Cloud Computing
BTCC07008	Embedded System
BTCC07009	Advanced Image Processing
BTCC07010	Software Architecture
BTCC07011	E-Commerce
BTCC07012	Advanced Computer Architecture
	Principles of Compiler Design



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School Name: **MUKESH PATEL SCHOOL OF TECHNOLOGY MANAGEMENT & ENGINEERING**
 Template Codes for Academic year: 2017-18

Name of the Programme: B.Tech Computer Science		Semester: VIII										Year: 2017-18				
		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	Credits	Term End Exam Duration		Examination Scheme (Weightage)				Total
										Written	Only ICA	Test I	Test II	Term work	Total Marks	
1	BTCC08001	System Security	3	2	0	5	4	3	15	15	20	50	40	60	100	100
2	BTCC08002	Soft Computing	3	2	0	5	4	3	15	15	20	50	40	60	100	100
3	BTCC08003	Mobile Computing	3	2	0	5	4	3	15	15	20	50	40	60	100	100
4	BTCC08004	Project - II	0	8	0	8	4	0	0	100	100	0	0	0	100	100
5	BTCC08011	Predictive Modeling	3	0	0	3	3	0	15	15	20	50	50	0	0	100
6		Elective-III	3	2	0	5	4	3	15	15	20	50	40	60	100	100
			15	16	0	31	23		75	75	200	350	310	240	240	550

BTCC08006	Elective-III (Any One)
BTCC08007	Robotics
BTCC08008	Biometrics
BTCC08009	Parallel Computing
BTCC08010	Multimedia Systems
BTCC08011	Software Quality Assurance & Testing

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