

**SVKM's NMIMS**  
**School Name: Mukesh Patel School of Technology Management & Engineering**  
**Teaching Scheme for Academic Year: 2018-19**  
**(As approved in the Academic Council)**

Name of the Programme: **B. Tech. (Computer Science)**      Year of the Programme: **First year**      Semester: **I & II**

Sr. No.	Module / Subject Code	Name of the Module	Theory Hours per week	Tutorials Hours per week	Practicals 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)				Marks (Continuous Evaluation+ TEE)	Template Codes	GR applicable (Yes/No)		
									Term End Examination	Continuous Evaluation		Distribution of Continuous Evaluation Marks		Marks Scaled to (Marks)	Marks on (Question Paper)				Marks Scaled to (Marks)	Total
												Test I	Test II							
<b>Semester - I</b>																				
1	BTCO01001	Mathematics-I	3	1	0	4	4	full credit	3	-	Written	15	15	20	50	100	100	7031	Yes	
2	BTCO01002	Basic Electrical Engineering	3	1	2	6	5	full credit	3	-	Written	15	15	20	50	100	100	7031	Yes	
3	BTCO01003	Physics	3	1	2	6	5	full credit	3	-	Written	15	15	20	50	100	100	7031	Yes	
4	BTCO01004	Engineering Graphics & Design	1	0	4	5	3	full credit	3	-	Practical	15	15	20	50	100	100	7031	Yes	
5	BTCO01005	Constitution of India	2	0	0	2	0	non credit	-	Continuous Evaluation	--	15	15	20	50	50	100	7032	No	
<b>Total</b>			<b>12</b>	<b>3</b>	<b>8</b>	<b>23</b>	<b>17</b>	<b>-</b>	<b>12</b>	<b>-</b>	<b>-</b>	<b>75</b>	<b>75</b>	<b>100</b>	<b>250</b>	<b>400</b>	<b>200</b>	<b>450</b>		
<b>Semester - II</b>																				
1	BTCO02008	Mathematics-II	3	1	0	4	4	full credit	3	-	Written	15	15	20	50	100	100	7031	Yes	
2	BTCO02009	Programming for Problem Solving	3	0	4	7	5	full credit	3	-	Written	15	15	20	50	100	100	7031	Yes	
3	BTCO02010	Chemistry	3	1	2	6	5	full credit	3	-	Written	15	15	20	50	100	100	7031	Yes	
4	BTCO02011	Workshop / Manufacturing Practices	1	0	4	5	3	full credit	-	Continuous Evaluation	--	-	-	50	50	100	100	7032	No	
5	BTCO02012	English	2	0	2	4	3	full credit	3	-	Written	15	15	20	50	100	100	7031	Yes	
<b>Total</b>			<b>12</b>	<b>2</b>	<b>12</b>	<b>26</b>	<b>20</b>	<b>-</b>	<b>12</b>	<b>-</b>	<b>-</b>	<b>60</b>	<b>60</b>	<b>130</b>	<b>250</b>	<b>400</b>	<b>200</b>	<b>450</b>		

\*Term Work = Viva / Presentations/ Journals/ assignments/ quizzes / MCQs/Business plans/Role plans etc.  
# syllabus common for different streams/ Programme can use common question paper. ( for eg : B.TECH( Stream ) & MBA.TECH (Stream ))  
NUE = Non University Examination ( Examination in Mukesh Patel School level)



HOD:   
Dr. Ajay Parkhe

Dean:   
Dr. N. T. Rao

Date: 14/07/2018

SVKM's NIMMIS  
SCHOOL NAME: MUKESH PATEL SCHOOL OF TECHNOLOGY MANAGEMENT & ENGINEERING.  
Campus: SHIRPUR

Name of the Programme: B.Tech Computer Science										Year: 2018-19													
Semester: III										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	Credits types	Term End Exam Duration		Mode of Exam	ICA				TEE		Template Codes	GR Applicability (Yes/No)	Remarks			
									Written	Only ICA		Test I	Test II	Term work**	Total Marks	Scaled to (marks)	Marks to (marks)				Scaled to (marks)	Marks to (marks)	Total Marks
1	BTCO03001	Engineering Mathematics III	3	0	2	5	4	full credit	3		Written	10	10	30	50	30	70	70	100	100	7008	Yes	
2	BTCO03002	Data Structures	3	2	0	5	4	full credit	3		Written	10	10	30	50	30	70	70	100	100	7008	Yes	
3	BTCO03003	Discrete Structures	3	0	2	5	4	full credit	3		Written	10	10	30	50	30	70	70	100	100	7008	Yes	
4	BTCO03004	Digital Logic Design	3	2	0	5	4	full credit	3		Written	10	10	30	50	30	70	70	100	100	7008	Yes	
5	BTCO03005	Numerical Techniques	2	2	0	4	3	full credit	0	2	Practical	10	10	30	50	50	0	0	50	100	7003	No	
6	BTCO03006	Database Management System	3	2	0	5	4	full credit	3		Written	10	10	30	50	30	70	70	100	100	7008	Yes	
7	BTCO03008	Programming Laboratory- I	1	2	0	3	2	half credit	0	2	Practical	10	10	30	50	50	0	0	50	100	7003	No	
			18	10	4	32	25					70	70	210	350	250	350	350	600				

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Date: 13/07/2018

*[Signature]*  
Head, Computer Science Department

*[Signature]*  
Dean/ Director, MFSTNUE



SVKM's NMIMS  
SCHOOL OF TECHNOLOGY MANAGEMENT & ENGINEERING  
Campus: SHRIPUR

Name of the Programme: B.Tech Computer Science										Year: 2018-19											
Sr. No.	Module / Subject Code	Name of the Module	Semester: IV				Examination Scheme (Weightage)				Total		Template Codes	GR Applicable (Yes/No)	Remarks						
			Theory (Hours per week)	Practicals (Hours per week)	Tutorials (Hours per week)	Total no. of hours for the subject	Credits	Credit types	Term End Exam		ICA					Scaled Marks to (marks)	Scaled Marks to (marks)	Marks	Weightage%		
									Written	Only ICA	Test I	Test II								Term work*	Total Marks
			3	0	2	5	4	full credit	3	Written	10	10	30	50	30	70	100	100			
1	BTCO04001	Engineering Mathematics IV	3	0	2	5	4	full credit	3	Written	10	10	30	50	30	70	100	100	7008	Yes	
2	BTCO04002	Computer Organization and Architecture	3	0	0	3	3	full credit	3	Written	10	10	30	50	30	70	100	100	7008	Yes	
3	BTCO04003	Operating System	3	2	0	5	4	full credit	3	Written	10	10	30	50	30	70	100	100	7008	Yes	
4	BTCO04004	Computer Networks	3	2	0	5	4	full credit	3	Written	10	10	30	50	30	70	100	100	7008	Yes	
5	BTCO04010	Theoretical Computer Science	3	0	2	5	4	full credit	3	Written	10	10	30	50	30	70	100	100	7008	Yes	
6	BTCO04006	Analog & Digital Communications	3	2	0	5	4	full credit	3	Written	10	10	30	50	30	70	100	100	7008	Yes	
7	BTCO04007	Environmental Studies	2	0	0	2	0	non credit	2	Viva/Presentation	10	10	30	50	50	0	0	100	7003	No	
8	BTCO04011	Programming Laboratory-II	1	2	0	3	2	half credit	0	Presentation	10	10	30	50	50	0	0	100	7003	No	
9	BTCO04009	Professional Ethics	2	0	0	2	2	half credit	0	Viva/Presentation	10	10	30	50	50	0	0	100	7003	No	
			23	8	4	35	27		2		90	90	270	450	330	420	420	750			

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 Head, Computer Science Department

  
 Dean/ Director, MP&TME



SVKM's NMIMS  
SCHOOL OF TECHNOLOGY MANAGEMENT & ENGINEERING  
Campus: SHRIPUR

School Name: MUKESH PATEL SCHOOL OF TECHNOLOGY MANAGEMENT & ENGINEERING  
Template Codes for Academic year: 2018-19

Name of the Programme: B. Tech Computer Science		Semester: V										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 Types	Term End Exam Duration		Mode of Exam	Examination Scheme (Weightage)					Template Codes	GR Applicable (Yes/No)	Remarks					
									Written	Only ICA		Term work*	Test I	Test II	Total Marks	Sealed to (marks)				Marks to (marks)	Sealed to (marks)	Marks to (marks)	Total	
1	BTCC005002	Software Engineering	3	2	0	5	4	full credit	3		Written	15	15	20	50	30	70	70	100	100	7008	Yes		
2	BTCC005003	Microprocessor & Microcontroller	3	2	0	5	4	full credit	3		Written	15	15	20	50	30	70	70	100	100	7008	Yes		
3	BTCC005004	Design & Analysis of Algorithms	3	2	0	5	4	full credit	3		Written	15	15	20	50	30	70	70	100	100	7008	Yes		
4	BTCC005005	Computer Graphics	3	2	0	5	4	full credit	3		Written	15	15	20	50	30	70	70	100	100	7008	Yes		
5	BTCC005006	Digital Signal Processing	3	2	0	5	4	full credit	3		Written	15	15	20	50	30	70	70	100	100	7008	Yes		
6	BTCC005007	Research Methodology	2	2	0	4	3	full credit	0	2	Written/Presentation	15	15	20	50	50	0	0	50	100	7003	No		
7	BTCC005008	Programming for Analytics	3	0	0	3	3	full credit	0	2	Online	15	15	20	50	50	0	0	50	100	7003	No		
									<b>20</b>	<b>12</b>	<b>0</b>	<b>32</b>	<b>26</b>			<b>105</b>	<b>105</b>	<b>140</b>	<b>350</b>	<b>250</b>	<b>350</b>	<b>600</b>		

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Dean/ Director, MPSTIVE

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 Campus: SHIRPUR  
 Template Codes for Academic year: 2018-19

Name of the Programme: B.Tech Computer Science										Year: 2018-19 Revised Scheme													
Sr. No	Module / Subject Code	Name of the Module	Theory (Hours per week)	Practic als (Hours per week)	Tutori als (Hours per week)	Total no. of hours for the subject	Credit /s	Credit types	Term End Exam		Mode of Exam	Examination Scheme (Weightage)				Template Codes	GR Applicab le (Yes/ No)	Remarks					
									Duration	Only ICA		Term work*	Total Marks	Scaled to (marks)	Scaled Marks to (marks)				TEE Marks to (marks)	Total Marks	Weightage%		
1	BTGO06001	Object Oriented Software Engineering	3	2	0	5	4	full credit	Written	3	Written	15	15	20	50	30	70	70	100	100	7008	Yes	
2	BTGO06002	Image Processing	3	2	0	5	4	full credit	Written	3	Written	15	15	20	50	30	70	70	100	100	7008	Yes	
3	BTGO06003	Fundamentals of Web Technology	3	2	0	5	4	full credit	Written	3	Written	15	15	20	50	30	70	70	100	100	7008	Yes	
4	BTGO06004	Industrial Economics and Management	3	0	0	3	3	full credit	Written	3	Written	15	15	20	50	30	70	70	100	100	7008	Yes	
5	BTGO06015	Programming Laboratory- III	1	2	0	3	2	half credit	Practical	0	Practical	15	15	20	50	50	0	0	50	100	7003	No	
6	BTGO06014	Business Visualization	2	0	0	2	2	half credit	Online	2	Online	15	15	20	50	50	0	0	50	100	7003	No	
7	BTGO06017	System Programming	3	2	0	5	4	full credit	Written	3	Written	15	15	20	50	30	70	70	100	100	7008	Yes	
8		Elective-I	3	2	0	5	4	full credit	Written	3	Written	15	15	20	50	30	70	70	100	100	7008	Yes	
			21	12	0	33	27					120	120	160	400	280	420	420	700	700			

BTGO06007	Elective-I (Any One)
BTGO06008	Advanced Computer Networks
BTGO06008	Advanced Database Management System
BTGO06009	Unix Programming
BTGO06010	Information Storage and Management
BTGO06012	Operation Research
BTGO06013	Human Computer Interface

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 Dean/ Director, MPS/ME

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 Template Codes for Academic year: 2018-19  
 Campus: SHIRPUR

Name of the Programme: B.Tech Computer Science		Semester-VII										Year: 2018-19					GR Applicability (Yes/No)					
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 types	Term End Exam Duration		Mode of Exam	Examination Scheme (Weightage)					Template Codes	GR Applicability (Yes/No)				
									Written	Only ICA		Test I / Test II	Term work**	Total Marks	Scaled to (marks)	Scaled Marks to (marks)			TEE Scaled Marks to (marks)	Marks	Weightage%	
1	BTCC07001	Distributed Computing	3	2	0	5	4	full credit			Written	15	15	20	50	30	70	70	100	100	7008	Yes
2	BTCC07013	Artificial Intelligence	3	2	0	5	4	full credit			Written	15	15	20	50	30	70	70	100	100	7008	Yes
3	BTCC07003	Data Warehousing and Mining	3	2	0	5	4	full credit			Written	15	15	20	50	30	70	70	100	100	7008	Yes
4	BTCC07004	Project-I	0	8	0	8	4	full credit		Only ICA	Viva/ Presentation	0	0	100	100	0	0	100	100	100	7003	No
5		Elective-II	3	2	0	5	4	full credit			Written	15	15	20	50	30	70	70	100	100	7008	Yes
			<b>12</b>	<b>16</b>	<b>0</b>	<b>28</b>	<b>20</b>					<b>60</b>	<b>60</b>	<b>180</b>	<b>300</b>	<b>220</b>	<b>280</b>	<b>280</b>	<b>500</b>	<b>100</b>	<b>100</b>	

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

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 Dean/ Director, MPE/ITME

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 Campus: SHIRPUR

Sr. No	Module / Subject Code	Name of the Module	Semester: VIII										GR Applicable (Yes/No)	Remarks										
			Theory (Hours per week)		Practicals (Hours per week)		Tutorials (Hours per week)		Total no. of hours for the subject		Credit /s				Credits types		Term End Exam Duration		Mode of Exam		Examination Scheme (Weightage)			
			IC	TE	IC	TE	IC	TE	IC	TE	IC	TE			IC	TE	IC	TE	IC	TE	IC	TE	IC	TE
1	BTGO08001	System Security	3	2	0	5	4	full credit	3	Written	Only ICA	Written / Offline/Online/Computer based/ Practical/Viva /Jury/ Presentation	15	15	20	50	30	70	70	100	100	7008	Yes	
2	BTGO08002	Soft Computing	3	2	0	5	4	full credit	3	Written	Only ICA	Written	15	15	20	50	30	70	70	100	100	7008	Yes	
3	BTGO08003	Mobile Computing	3	2	0	5	4	full credit	3	Written	Only ICA	Written	15	15	20	50	30	70	70	100	100	7008	Yes	
4	BTGO08004	Project - II	0	8	0	8	4	full credit	0	Only ICA	Viva/ Presentation	0	0	100	100	0	0	0	0	100	100	7003	No	
5	BTGO08011	Predictive Modeling	3	0	0	3	3	full credit	0	2	Online	Online	15	15	20	50	50	0	0	50	100	7003	No	
6		Elective-III	3	2	0	5	4	full credit	3	Written	Only ICA	Written	15	15	20	50	30	70	70	100	100	7008	Yes	
			15	16	0	31	23						75	75	200	350	270	280	280	550				

BTGO08006	Robotics
BTGO08007	Biometrics
BTGO08008	Parallel Computing
BTGO08009	Multimedia Systems
BTGO08010	Software Quality Assurance & Testing

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