

SVKM's NMIMS
School Name: Mukesh Patel School of Technology Management & Engineering
Teaching Scheme for Academic Year: 2020-21
(As approved in the Academic Council)

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 (In term)	Credits	Duration of Examination (Hrs)		Mode of Exam	Examination Scheme (Weightage)						Template Codes	GR applicable (Yes/No)		
								Term End Examination	Only ICA		Distribution of ICA Marks			TEE					Total	
											Test I	Test II	Term work*	Total Marks	Scaled to (Marks)	Marks on Paper			Scaled to (Marks)	Scaled Marks (ICA+ TEE)
Semester - I																				
1	BTCC01001	Mathematics-I	3	1	0	60	4	3	--	Written	10	10	30	50	50	100	100	7031	Yes	
2	BTCC01002	Basic Electrical Engineering	3	1	2	90	5	3	--	Written	10	10	30	50	50	100	100	7031	Yes	
3	BTCC01003	Physics	3	1	2	90	5	3	--	Written	10	10	30	50	50	100	100	7031	Yes	
4	BTCC01004	Engineering Graphics & Design	2	0	4	90	4	3	--	Practical	10	10	30	50	50	100	100	7031	Yes	
5	BTCC01005	Constitution of India	2	0	0	30	0	--	Only ICA	--	10	10	30	50	50	100	100	7031	Yes	
		Total	13	3	6	360	18	12	--	--	50	50	150	250	250	400	200	450	Yes	
Semester - II																				
1	BTCC02008	Mathematics-II	3	1	0	60	4	3	--	Written	10	10	30	50	50	100	100	7031	Yes	
2	BTCC02009	Programming for Problem Solving	3	0	4	105	5	3	--	Written	10	10	30	50	50	100	100	7031	Yes	
3	BTCC02010	Chemistry	3	1	2	90	5	3	--	Written	10	10	30	50	50	100	100	7031	Yes	
4	BTCC02011	Workshop / Manufacturing Practices	1	0	4	75	3	--	Only ICA	--	--	50	50	50	50	100	100	7032	No	
5	BTCC02012	English	2	0	2	60	3	3	--	Written	10	10	30	50	50	100	100	7031	Yes	
		Total	12	2	12	390	20	12	--	--	40	40	170	250	250	400	200	450	Yes	

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

syllabus common for (B.Tech. (IT, Computer, EXTC, Mechanical, Civil, Mechatronics, Data Science) & MBA Tech. (IT, EXTC, Mechanical, Computer, Chemical)) / All Programme, can use common question paper.

Syllabus common for different streams/ Programme can use common question paper (B.Tech. IT, Computer, EXTC, Mechanical, Civil, Mechatronics, Data Science) NUE = Non University Examination (Term End Examination conducted at school level)



HOD: Dr. Ajay Phrike

Date: 11/07/2020

Pls. Note :-Any approval/change should be highlighted in grey as per academic council meeting, dated 12th June 2020 Page No-418

Dean: Dr. Alka Mahajan

SVKM's NMIMS
 School Name: MUKESH PATEL SCHOOL OF TECHNOLOGY MANAGEMENT & ENGINEERING
 Campus: SHIRPUR
 Teaching Scheme Academic year: 2020-21
 (As approved in the Academic Council)

Name of the Programme: B.Tech Computer Science										Semester III												
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 (in term)	Credit/s	Duration of Examination (Hrs)		Mode of Exam	Examination Scheme (Weightage)					Template Codes	GR Applicabl e (Yes /No)	Remarks				
								Written	Only ICA		Test I	Test II	Term work*	Total Marks	Scaled to Marks (Marks)				Scaled to Marks (Marks)	Total Marks	Weightage %	
1	BTCC03009	Mathematics III	3	0	1	60	4	3 Hrs	--	Written	10	10	30	50	100	50	100	100	100	7031	Yes	
2	BTCC03014	Digital Logic Design	3	2	0	75	4	3 Hrs	--	Written	10	10	30	50	100	50	100	100	100	7031	Yes	
3	BTCC03010	Discrete Mathematics	3	0	1	60	4	3 Hrs	--	Written	10	10	30	50	100	50	100	100	100	7031	Yes	
4	BTCC03015	Data Structures	3	2	0	75	4	3 Hrs	--	Written	10	10	30	50	100	50	100	100	100	7031	Yes	
5	BTCC03011	Computer Organization and Architecture	3	0	0	45	3	3 Hrs	--	Written	10	10	30	50	100	50	100	100	100	7031	Yes	
6	BTCC03012	Object Oriented Programming	3	2	0	75	4	3 Hrs	--	Written	10	10	30	50	100	50	100	100	100	7031	Yes	
7	BTCC03013	Presentation and Communication Techniques	2	0	0	30	2	-	Only ICA	--	10	10	30	50	50	0	0	50	100	7032	No	
Total			20	6	2	420	25				70	70	210	350	350	600	300	650				

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

Date: 22nd June 2020

[Signature]

Head, Computer Science Department

[Signature]
 Dean/Director, MPSTME



SVKM's NIMMS
SCHOOL OF TECHNOLOGY MANAGEMENT & ENGINEERING
Campus: SHIRPUR
(As approved in the Academic Council)

Sr. No.	Module / Subject Code	Name of the Module	Year of the Programme: Second Year										Semester IV				GR Applicable (Yes/No)	Remarks					
			Theory (Hours per week)	Practicals (Hours per week)	Tutorials (Hours per week)	Total no. of hours for the subject (In term)	Credits/s	Duration of Examination (Hrs)		Mode of Exam	Examination Scheme (Weightage)				Total Marks	Scaled to (Marks)			Scaled to (Marks)	Total Weightage %	Template Codes		
								Written	Only ICA		Test I	Test II	Term work*	ICA								TEE	
1	BTCC04015	Elements of Biology	3	0	1	60	4	3	3	Written	Presentations	10	10	30	50	100	100	100	7031	Yes			
2	BTCC04016	Operating System	3	2	0	75	4	3	3	Written	Written	10	10	30	50	100	100	100	7031	Yes			
3	BTCC04017	Theoretical Computer Science	3	0	1	60	4	3	3	Written	Written	10	10	30	50	100	100	100	7031	Yes			
4	BTCC04012	Database Management System	3	2	0	75	4	3	3	Written	Written	10	10	30	50	100	100	100	7031	Yes			
5	BTCC04018	Principles of Economics and Management	3	0	0	45	3	3	3	Written	Written	10	10	30	50	100	100	100	7031	Yes			
6	BTCC04013	Programming Language	2	2	0	60	3	-	3	Only ICA	--	10	10	30	50	50	--	50	100	7032	No		
7	BTCC04014	Essence of Indian Traditional Knowledge	2	0	0	30	0	-	0	Only ICA	--	0	0	0	50	50	0	0	50	100	7032	No	
Total			19	6	2	405	22					60	60	230	350	500	250	600					

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Date: 08th Dec 2020


Head, Computer Science Department




Dean/Director, MPSTME

SVKM's NMIMS
 School Name: MUKESH PATEL SCHOOL OF TECHNOLOGY MANAGEMENT & ENGINEERING
 Teaching Scheme Academic year: 2020-21
 Campus: SHIRPUR
 (As approved in the Academic Council)

Sr. No.	Module / Subject Code	Name of the Module	Year of the Programme: Third Year			Semester V										GR Applicable (Yes/No)	Remarks				
			Theory Hours per week	Practical Hours per week	Tutorials (Hour per week)	Total no. of hours for the subject (In term)	Credit/s	Duration of Examination (Hrs)		Mode of Exam	Examination Scheme (Weightage)							Total Weightage %	Template Codes		
								Written	Only ICA		Test I	Test II	Term work*	Total Marks	Scaled to Marks (Marks)					Scaled to Marks (Marks)	Scaled to Marks (Marks)
1	BTCC05009	Design and Analysis of Algorithms	3	2	0	75	4	3 Hrs	--	Written	10	10	30	50	100	50	100	100	7031	Yes	
2	BTCC06002	Image Processing	3	2	0	75	4	3 Hrs	--	Written	10	10	30	50	100	50	100	100	7031	Yes	
3	BTCC06004	Computer Networks	3	2	0	75	4	3 Hrs	--	Written	10	10	30	50	100	50	100	100	7031	Yes	
4	BTCC05012	Data Mining	3	2	0	75	4	3 Hrs	--	Written	10	10	30	50	100	50	100	100	7031	Yes	
5	MBCC05009	Web Programming	2	2	0	60	3	2 Hrs	--	Practical	10	10	30	50	50	50	100	100	7031	Yes	
6	MBA B06107	Management Accounting for Engineers	2	0	0	30	2	2 Hrs	--	Written	10	10	30	50	50	50	100	100	7031	Yes	NUE
7	MBCI03012	Environmental Studies	2	0	0	30	0	-	Only ICA	--	10	10	30	50	0	0	50	100	7032	Yes	
Total			18	10	0	420	21				70	70	210	350	350	500	300	650		No	

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Date: 22nd June 2020

(Signature)
 Head, Computer Science Department



(Signature)
 Dean/ Director, MPSTME

Sr. No.	Module / Subject Code	Name of the Module	Year of the Programme: Second Year				Semester VI						GR Applicable (Yes/No)	Remarks						
			Theory (Hours per week)	Practicals (Hours per week)	Tutorials (Hours per week)	Total no. of hours for the subject (In term)	Duration of Examination (Hrs)		Mode of Exam	Examination Scheme (Weightage)					Total Weightage %	Template Codes				
							Written	Only ICA		Test I	Test II	Term work*					Scaled to Marks (Marks)	Scaled to Marks (Marks)	Total Marks	
1	MBCO06003	Artificial Intelligence	3	2	0	75	4	3 Hrs	-	Written	10	10	30	50	100	100	7031	Yes		
2	BTCCO06009	Unix Programming	3	2	0	75	4	3 Hrs	-	Written	10	10	30	50	100	100	7031	Yes		
3	BTCS03005	Software Engineering	3	2	0	75	4	3 Hrs	-	Written	10	10	30	50	100	100	7031	Yes		
4	BTCCO06007	Programming for Data Analysis	3	0	0	45	3	-	-	Only ICA	10	10	30	50	0	50	100	7032	No	
5	MBAB05108	Professional Ethics and Legal Aspects	2	0	0	30	2	-	-	Written	10	10	30	50	100	100	7031	Yes		
6	MBCO06007	Technical Paper Reading and Writing Skills	0	2	0	30	1	-	-	Only ICA	10	10	30	50	0	50	100	7032	No	
7		Department Elective-I	3	2	0	75	4	3 Hrs	-	Written	10	10	30	50	100	100	7031	Yes		
			17	10	0	405	22				70	70	210	350	350	500	250	600		

Code	Department Elective-I (Choose Any One)	Subject
MBCO05010	Advanced Computer Networks	
BTCCO06018	Soft Computing	
MBCO05011	Advanced Database Management System	
MBCO05017	Advanced Web Programming	
MBCO05019	Web Security	
BTCCO08010	Advanced Image Processing	
BTCCO06013	Human Computer Interface	
BTCCO05005	Computer Graphics	

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Date: 10th Dec 2020



Head, Computer Science Department




Dean, Director, MPSTIME

SVKM's NMIMS
 School Name: MUKESH PATEL SCHOOL OF TECHNOLOGY MANAGEMENT & ENGINEERING
 Campus: SHIRPUR
 Teaching Scheme Academic year: 2020-21
 (As approved in the Academic Council)

Sr. No.	Module / Subject Code	Name of the Module	Year of the Programme: Fourth Year			Semester-VII				GR Applicable (Yes/No)	Remarks											
			Theor y (Hour s per week)	Practi c (Hour s per week)	Tutori als (Hour s per week)	Total no. of hours for the subject (In term)	Duration of Examination (Hrs)		Mode of Exam			Examination Scheme (Weightage)										
							Written	Only ICA	Written / Off-line/ On line/ Computer based/ Practical/ Viva / Jury/ Presentation			Test I	Test II	Term work*	Total Marks	Scaled to Marks (Marks)	Scaled to Marks (Marks)	Total Marks	Weightage %	Templat e Codes		
1	BTCO07001	Distributed Computing	3	2	0	75	4	3	Hrs	Written	10	10	30	50	30	70	100	100	7008	Yes		
2	BTCO07013	Artificial Intelligence	3	2	0	75	4	3	Hrs	Written	10	10	30	50	30	70	100	100	7008	Yes		
3	BTCO07003	Data Warehousing and Mining	3	2	0	75	4	3	Hrs	Written	10	10	30	50	30	70	100	100	7008	Yes		
4	BTCO07004	Project-I	0	8	0	120	4	0		Viva/ Presentation	0	0	100	100	0	0	100	100	7003	No		
5		Elective-II	3	2	0	75	4	3	Hrs	Written	10	10	30	50	30	70	100	100	7008	Yes		
		Total	12	16	0	420	20				40	40	220	300	220	280	500					

Elective-II (Any One)	
BTCO07006	Introduction to Cloud Computing
BTCO07007	Embedded System
BTCO07008	Advanced Image Processing
BTCO07009	Software Architecture
BTCO07010	E-Commerce
BTCO07011	Advanced Computer Architecture
BTCO07012	Principles of Compiler Design

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Date: 22nd June 2020

(Signature)

Head, Computer Science Department



(Signature)

Dean/ Director, MFSTME

SVKM's NMIMS
 School Name: MUKESH PATEL SCHOOL OF TECHNOLOGY MANAGEMENT & ENGINEERING
 Campus: SHRIPUR
 Teaching Scheme Academic year: 2020-21
 (As approved in the Academic Council)

Name of the Programme: B.Tech Computer Science										Semester - VIII												
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 (In term)	Credit/s	Duration of Examination (Hrs)		Mode of Exam	Examination Scheme (Weightage)						Template Codes	GR Applicable (Yes/No)	Remarks			
								Written	Only ICA		Test I	Test II	Term work*	Total Marks	Scaled to (Marks)	Scaled Marks to (Marks)				TEE		
																				Marks	Weightage %	
1	BTCC08001	System Security	3	2	0	75	4	3 Hrs		Written	10	10	30	50	30	70	100	100	7008	Yes		
2	BTCC08002	Soft Computing	3	2	0	75	4	3 Hrs		Written	10	10	30	50	30	70	100	100	7008	Yes		
3	BTCC08003	Mobile Computing	3	2	0	75	4	3 Hrs		Written	10	10	30	50	30	70	100	100	7008	Yes		
4	BTCC08004	Project - II	0	8	0	120	4	0	Only ICA	Viva/ Presentation	0	0	100	100	0	0	100	100	7003	No		
5	BTCC08011	Predictive Modeling	3	0	0	45	3	0	2	Online	10	10	30	50	50	0	0	50	100	7003	No	
6		Elective-III	3	2	0	75	4	3 Hrs		Written	10	10	30	50	30	70	100	100	7008	Yes		
		Total	15	16	0	465	23				50	50	250	350	270	280	280	550				

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

*Term Work = Viva / Presentations/ Journals/ assignments/ quizzes/ MCQs/Business plans/Role plans etc.
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Date: 16th Dec 2020


 Head, Computer Science Department


 Dean/Director, MPSTME

