

**SVKM'S NMIMS**  
**Mukesh Patel School of Technology Management & Engineering**

Course Structure: Academic Year 2017-18

Teaching Scheme: B. Tech. (1st Year)

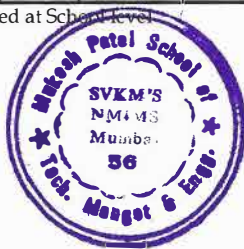
(As approved in the Academic Council)

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)		Examination Scheme (Weightage)								Template Codes	
										*ICA				TEE (University / School examination)		Total			
								Written	Only ICA	Test I	Test II	Term work	Total Marks	Scaled to (Marks)	Marks	Scaled to (Marks)	Marks		Weight age %
<b>Semester - I</b>																			
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
<b>Total</b>			<b>20</b>	<b>12</b>	<b>4</b>	<b>36</b>	<b>28</b>	<b>21</b>		<b>70</b>	<b>70</b>	<b>210</b>	<b>350</b>	<b>210</b>	<b>490</b>	<b>490</b>	<b>700</b>		
<b>Semester - II</b>																			
1	BTAB02001	Engineering Mathematics-II	3	0	2	5	4	Written/ 3 hrs.	-	10	10	30	50	30	70	70	100	100	7008
2	BTAB02002	Engineering Chemistry	3	2	0	5	4	Written/ 3 hrs.	-	10	10	30	50	30	70	70	100	100	7008
3	BTAB02003	Basic Electronics	3	2	0	5	4	Written/ 3 hrs.	-	10	10	30	50	30	70	70	100	100	7008
4	BTAB02004	Engineering Mechanics -II	3	0	2	5	4	Written/ 3 hrs.	-	10	10	30	50	30	70	70	100	100	7008
5	BTAB02005	Computer Programming-II	3	2	0	5	4	Written/ 3 hrs.		10	10	30	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	10	10	30	50	50	-	-	50	100	7003
<b>Total</b>			<b>17</b>	<b>10</b>	<b>4</b>	<b>31</b>	<b>22</b>	<b>15</b>		<b>60</b>	<b>60</b>	<b>230</b>	<b>350</b>	<b>250</b>	<b>350</b>	<b>350</b>	<b>600</b>		

\*Practical TEE examination to be conducted at School level

Signature of the Dean:  
 (with Date)

Date: 8th August, 2017



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

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*AMM*  
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*SS*  
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SVKM's NMIMS

School Name: MUKESH PATEL SCHOOL OF TECHNOLOGY MANAGEMENT & ENGINEERING

Template Codes for Academic year: 2017-18

Campus: MUMBAI

(subject to approval in the Academic Council June 2017)

Name of the Programme: B.Tech Computer Engineering									Semester:III			Year: 2017-18									
Sr. No.	SAP Module Code	Module / Subject Code	Name of the Module	No. of Students booked for module	Theory (Hours per week)	Practicals (Hours per week)	Tutorials (Hours per week)	Total no. of hours for the subject	Credit /s	Term End Exam Duration		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		Weightage%
1	BTCC03001	BTCC03001	Engineering Mathematics-II		3	0	2	5	4	3		15	15	20	50	30	70	70	100	100	7008
2	BTCC03002	BTCC03002	Data Structures		3	2	0	5	4	3		15	15	20	50	30	70	70	100	100	7008
3	BTCC03003	BTCC03003	Discrete Structures		3	0	2	5	4	3		15	15	20	50	30	70	70	100	100	7008
4	BTCC03004	BTCC03004	Digital Logic Design		3	2	0	5	4	3		15	15	20	50	30	70	70	100	100	7008
5	BTCC03005	BTCC03005	Numerical Techniques		2	2	0	4	3	0	2	15	15	20	50	50	0	0	50	100	7003
6	BTCC03006	BTCC03006	Database Management System		3	2	0	5	4	3		15	15	20	50	30	70	70	100	100	7008
7	BTCC03008	BTCC03008	Programming Laboratory- I		1	2	0	3	2	0	2	15	15	20	50	50	0	0	50	100	7003
					18	10	4	32	25			105	105	140	350	250	350	350	600		

Name of the Programme: B.Tech Computer Engineering									Semester:IV			Year: 2017-18									
Sr. No.	SAP Module Code	Module / Subject Code	Name of the Module	No. of Students booked for module	Theory (Hours per week)	Practicals (Hours per week)	Tutorials (Hours per week)	Total no. of hours for the subject	Credit /s	Term End Exam Duration		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		Weightage%
1	BTAB04001	BTCC04001	Engineering Mathematics IV		3	0	2	5	4	3		15	15	20	50	30	70	70	100	100	7008
2	BTCC04002	BTCC04002	Computer Organization and Architecture		3	0	0	3	3	3		15	15	20	50	30	70	70	100	100	7008
3	BTCC04003	BTCC04003	Operating System		3	2	0	5	4	3		15	15	20	50	30	70	70	100	100	7008
4	BTCC04004	BTCC04004	Computer Networks		3	2	0	5	4	3		15	15	20	50	30	70	70	100	100	7008
5	BTCC04010	BTCC04010	Theoretical Computer Science		3	0	2	5	4	3		15	15	20	50	30	70	70	100	100	7005
6	BTCC04006	BTCC04006	Analog & Digital Communications		3	2	0	5	4	3		15	15	20	50	30	70	70	100	100	7008
7	BTCC04007	BTCC04007	Environmental Studies		2	0	0	2	0	0	Only ICA	15	15	20	50	50	0	0	50	100	7003
8	BTCC04011	BTCC04011	Programming Laboratory- II		1	2	0	3	2	0	2	15	15	20	50	50	0	0	50	100	7003
9	BTCC04009	BTCC04009	Professional Ethics		2	0	0	2	2	0	Only ICA	15	15	20	50	50	0	0	50	100	7003
					23	8	4	35	27			135	135	180	450	330	420	420	750		

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



Name of the Programme: B.Tech Computer Engineering									Semester:V				Year: 2017-18								
Sr. No	SAP Module Code	Module / Subject Code	Name of the Module	No. of Students booked for module	Theory (Hours per week)	Practicals (Hours per week)	Tutorials (Hours per week)	Total no. of hours for the subject	Credit/s	Term End Exam Duration		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		Weightage%
2	BTCO05002	BTCO05002	Software Engineering		3	2	0	5	4	3		15	15	20	50	30	70	70	100	100	7008
3	BTCO05003	BTCO05003	Microprocessor & Microcontroller		3	2	0	5	4	3		15	15	20	50	30	70	70	100	100	7008
4	BTCO05004	BTCO05004	Design & Analysis of Algorithms		3	2	0	5	4	3		15	15	20	50	30	70	70	100	100	7008
5	BTCO05005	BTCO05005	Computer Graphics		3	2	0	5	4	3		15	15	20	50	30	70	70	100	100	7008
6	BTCO05006	BTCO05006	Digital Signal Processing		3	2	0	5	4	3		15	15	20	50	30	70	70	100	100	7008
7	BTCO05007	BTCO05007	Research Methodology		2	2	0	4	3	0	1	15	15	20	50	50	0	0	50	100	7003
8	BTCO05008	BTCO05008	Programming for Analytics		3	0	0	3	3	0	1	15	15	20	50	50	0	0	50	100	7003
					<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>350</b>	<b>600</b>		

Name of the Programme: B.Tech Computer Engineering									Semester:VI				Year: 2017-18 Revised Scheme								
Sr. No	SAP Module Code	Module / Subject Code	Name of the Module	No. of Students booked for module	Theory (Hours per week)	Practicals (Hours per week)	Tutorials (Hours per week)	Total no. of hours for the subject	Credit/s	Term End Exam Duration		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		Weightage%
1	BTCO06001	BTCO06001	Object Oriented Software Engineering		3	2	0	5	4	3		15	15	20	50	30	70	70	100	100	7008
2	BTCO06002	BTCO06002	Image Processing		3	2	0	5	4	3		15	15	20	50	30	70	70	100	100	7008
3	BTCO06003	BTCO06003	Fundamentals of Web Technology		3	2	0	5	4	3		15	15	20	50	30	70	70	100	100	7008
4	BTCO06004	BTCO06004	Industrial Economics and Management		3	0	0	3	3	3		15	15	20	50	30	70	70	100	100	7008
5	BTCO06015	BTCO06015	Programming Laboratory- III		1	2	0	3	2	0	2	15	15	20	50	50	0	0	50	100	7003
6	BTCO06014	BTCO06014	Business Visualization		2	0	0	2	2	0	1	15	15	20	50	50	0	0	50	100	7003
7	BTCO06016	BTCO06016	Theoretical computer Science		3	0	2	5	4	3		15	15	20	50	30	70	70	100	100	7008
8			Elective-I		3	2	0	5	4	3		15	15	20	50	30	70	70	100	100	7008
					<b>21</b>	<b>10</b>	<b>2</b>	<b>33</b>	<b>27</b>			<b>120</b>	<b>120</b>	<b>160</b>	<b>400</b>	<b>280</b>	<b>420</b>	<b>420</b>	<b>700</b>		

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



Name of the Programme: B.Tech Computer Engineering									Semester:VII			Year: 2017-18									
Sr. No.	SAP Module Code	Module / Subject Code	Name of the Module	No. of Students booked for module	Theory (Hours per week)	Practicals (Hours per week)	Tutorials (Hours per week)	Total no. of hours for the subject	Credit /s	Term End Exam Duration		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		Weightage%
1	BTCO07001	BTCO07001	Distributed Computing		3	2	0	5	4	3		15	15	20	50	40	60	60	100	100	7005
2	BTCO07013	BTCO07013	Artificial Intelligence		3	2	0	5	4	3		15	15	20	50	40	60	60	100	100	7005
3	BTCO07003	BTCO07003	Data Warehousing and Mining		3	2	0	5	4	3		15	15	20	50	40	60	60	100	100	7005
4	BTCO07004	BTCO07004	Project-I		0	8	0	8	4	0	Only ICA	0	0	100	100	100	0	0	100	100	7003
5			Elective-II		3	2	0	5	4	3		15	15	20	50	40	60	60	100	100	7005
					<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>260</b>	<b>240</b>	<b>240</b>	<b>500</b>		

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

Name of the Programme: B.Tech Computer Engineering									Semester:VIII			Year: 2017-18									
Sr. No.	SAP Module Code	Module / Subject Code	Name of the Module	No. of Students booked for module	Theory (Hours per week)	Practicals (Hours per week)	Tutorials (Hours per week)	Total no. of hours for the subject	Credit /s	Term End Exam Duration		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		Weightage%
1	BTCO08001	BTCO08001	System Security		3	2	0	5	4	3		15	15	20	50	40	60	60	100	100	7005
2	BTCO08002	BTCO08002	Soft Computing		3	2	0	5	4	3		15	15	20	50	40	60	60	100	100	7005
3	BTCO08003	BTCO08003	Mobile Computing		3	2	0	5	4	3		15	15	20	50	40	60	60	100	100	7005
4	BTCO08004	BTCO08004	Project - II		0	8	0	8	4	0	Only ICA	0	0	100	100	100	0	0	100	100	7003
5	BTCO08011	BTCO08011	Predictive Modeling		3	0	0	3	3	0	1	15	15	20	50	50	0	0	50	100	7003
6			Elective-III		3	2	0	5	4	3		15	15	20	50	40	60	60	100	100	7005
					<b>15</b>	<b>16</b>	<b>0</b>	<b>31</b>	<b>23</b>			<b>75</b>	<b>75</b>	<b>200</b>	<b>350</b>	<b>310</b>	<b>240</b>	<b>240</b>	<b>550</b>		

Elective-III (Any One)		
BTCO08006	BTCO08006	Robotics
BTCO08007	BTCO08007	Biometrics
BTCO08008	BTCO08008	Parallel Computing
BTCO08009	BTCO08009	Multimedia Systems
BTCO08010	BTCO08010	Software Quality Assurance & Testing

