

SVKM's NMIMS																						
School Name: Mukesh Patel School of Technology Management and Engineering																						
Teaching Scheme for Academic Year: 2020-21																						
(As Approved in Academic Council)																						
Name of The Program: B. Tech. (Civil Engineering)								Year of the Programme: Second Year						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 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)	Scaled Marks (ICA+ TEE)	Weightage %				
1	BTCI03007	Mathematics - III	3	0	1	60	4	3	---	Written	10	10	30	50	50	100	50	100	100	7031	Yes	#
2	BTCI03008	Principles of Economics and Management	3	0	0	45	3	3	---	Written	10	10	30	50	50	100	50	100	100	7031	Yes	
3	BTCI03009	Presentation and Communication Techniques	2	0	0	30	2	---	Only ICA	---	10	10	30	50	50	---	---	50	100	7032	No	
4	BTCI03010	Geology	3	2	0	75	4	3	---	Written	10	10	30	50	50	100	50	100	100	7031	Yes	#
5	BTCI03011	Engineering Mechanics	3	2	0	75	4	3	---	Written	10	10	30	50	50	100	50	100	100	7031	Yes	#
6	BTCI03012	Introduction to Civil Engineering	2	2	0	60	3	3	---	Written	10	10	30	50	50	100	50	100	100	7031	Yes	#
7	BTCI03013	Building Design and Drawing	1	2	0	45	2	4	---	Written	10	10	30	50	50	100	50	100	100	7031	Yes	#
8	BTCI03014	Environmental Studies	2	0	0	30	0	---	Only ICA	---	10	10	30	50	50	---	---	50	100	7032	No	---
<b>Total</b>			<b>19</b>	<b>8</b>	<b>1</b>	<b>420</b>	<b>22</b>	<b>19</b>	<b>---</b>	<b>---</b>	<b>80</b>	<b>80</b>	<b>240</b>	<b>400</b>	<b>400</b>	<b>600</b>	<b>300</b>	<b>700</b>	<b>800</b>	<b>---</b>	<b>---</b>	<b>---</b>

\* Term work = Viva / Presentations / Journals / Assignments / Quizes / MCQs / Business plans / Role plans etc.

# Syllabus common for B.Tech. (Civil Engineering) & MBA Tech. (Civil Engineering) / Both Programs can use common question paper.

Date:  
11.07.2020

Dr. Tanuja Bandivadekar  
HoD, Civil Department



Dr. Alka Mahajan  
Dean, MPSTME

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School Name: Mukesh Patel School of Technology Management and Engineering																						
Teaching Scheme for Academic Year: 2020-21																						
(As Approved in Academic Council)																						
Name of The Program: B. Tech. (Civil Engineering)							Year of the Programme: Second Year							Semester: IV								
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)	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)	Scaled Marks (ICA+ TEE)	Weightage %				
1	BTCI04008	Numerical & Statistical Methods	3	0	1	60	4	3	—	Written	10	10	30	50	50	100	50	100	100	7031	Yes	#
2	BTCI04017	Soil Mechanics	3	2	0	75	4	3	—	Written	10	10	30	50	50	100	50	100	100	7031	Yes	#
3	BTCI04010	Surveying	3	2	0	75	4	3	—	Written	10	10	30	50	50	100	50	100	100	7031	Yes	#
4	BTCI04011	Mechanics of Materials	4	2	0	90	5	3	—	Written	10	10	30	50	50	100	50	100	100	7031	Yes	#
5	BTCI04012	Fluid Mechanics and Hydraulics	3	2	0	75	4	3	—	Written	10	10	30	50	50	100	50	100	100	7031	Yes	#
6	BTCI04013	Construction Equipment and Techniques	2	0	0	30	2	3	—	Written	10	10	30	50	50	100	50	100	100	7031	Yes	#
7	BTCI04016	Projects on Building Planning and Design	0	4	0	60	0	—	Only ICA	—	—	—	50	50	50	—	—	50	100	7032	No	
<b>Total</b>			<b>18</b>	<b>12</b>	<b>1</b>	<b>465</b>	<b>23</b>	<b>18</b>	<b>—</b>	<b>—</b>	<b>60</b>	<b>60</b>	<b>230</b>	<b>350</b>	<b>350</b>	<b>600</b>	<b>300</b>	<b>650</b>	<b>700</b>	<b>—</b>	<b>—</b>	<b>—</b>

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# Syllabus common for B.Tech. (Civil Engineering) & MBA Tech. (Civil Engineering) / Both Programs can use common question paper.

  
Dr. Tanuja Bandivadekar  
HoD, Civil Department



  
Dr. Alka Mahajan  
Dean, MPSTME

Date:  
11.07.2020

Name of The Programme: B.Tech. (Civil Engineering)																						
Year of the Programme: Fourth Year										Semester: VII												
Sr. No.	Module / Subject Code	Name of the Module	Theory Hours per Week	Practical Hours per Week	Tutorial 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)	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)	Scaled Marks (ICA+ TEE)	Weightage %			
1	BTCI07001	Limit State Design of Reinforced Concrete Structures	3	0	2	75	4	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes	
2	BTCI07002	Quantity Surveying, Estimation and Valuation	3	0	2	75	4	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes	
3	BTCI07003	Construction Equipment and Techniques	3	0	2	75	4	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes	#
4	BTCI07004	Project - I	0	0	6	90	3	-	Only ICA	-	-	50	50	50	-	-	50	100	7003	No		
5	BTCI07005-10	Elective - I	3	0	2	75	4	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes	
6	BTCI07011-17	Elective - II	3	0	2	75	4	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes	
<b>Total</b>			<b>15</b>	<b>0</b>	<b>16</b>	<b>465</b>	<b>23</b>	<b>15</b>	<b>---</b>	<b>---</b>	<b>50</b>	<b>50</b>	<b>200</b>	<b>300</b>	<b>200</b>	<b>350</b>	<b>350</b>	<b>550</b>	<b>600</b>	<b>---</b>	<b>---</b>	<b>---</b>

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# Syllabus common for B.Tech (Civil) and MBA Tech. (Civil), can use common question paper

Elective - I (Choose any one)	
Module/ Subject Code	Name of the Module
BTCI07005	Advanced Structural Analysis
BTCI07006	Advanced Structural Mechanics
BTCI07007	Soil Dynamics
BTCI07008	Water Distribution Systems
BTCI07009	Finite Element Analysis in Civil Engineering
BTCI07010	Analysis of Transportation System

Elective - II (Choose any one)	
Module/ Subject Code	Name of the Module
BTCI07011	Pavement Subgrade and Materials
BTCI07012	Urban Transportation Systems Planning
BTCI07013	Planning and Design of Environmental Facilities
BTCI07014	Air Quality Management
BTCI07015	Green and Intelligent Buildings
BTCI07016	Construction Safety
BTCI07017	Construction Economics and Finance Management

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Teaching Scheme for Academic Year 2020-21																						
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Name of The Programme: B.Tech. (Civil Engineering)								Year of the Programme: Fourth Year								Semester: VIII						
Sr. No.	Module / Subject Code	Name of the Module	Theory Hours per Week	Practical Hours per Week	Tutorial 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)	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)	Scaled Marks (ICA+ TEE)	Weightage %				
1	BTCI08001	Advanced Design of Concrete Structures	3	0	2	75	4	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes	
2	BTCI08002	Construction Project Management and Finance	3	0	2	75	4	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes	
3	BTCI08003	Project-II	0	0	12	180	6	-	Only ICA	-	-	100	100	100	-	-	100	100	7003	No		
4	BTCI08004-09	Elective – III	3	0	2	75	4	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes	
5	BTCI08010-16	Elective – IV	3	0	2	75	4	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes	
6	BTCI08017	Numerical Methods	3	0	2	75	4	3	-	Written	10	10	30	50	30	70	70	100	100	7008	Yes	
<b>Total</b>			<b>15</b>	<b>0</b>	<b>22</b>	<b>555</b>	<b>26</b>	<b>15</b>	<b>—</b>	<b>—</b>	<b>50</b>	<b>50</b>	<b>250</b>	<b>350</b>	<b>250</b>	<b>350</b>	<b>350</b>	<b>600</b>	<b>600</b>	<b>—</b>	<b>—</b>	<b>—</b>

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# Syllabus common for B.Tech (Civil) and MBA Tech. (Civil), can use common question paper

Elective-III (Choose any one)	
Module/ Subject Code	Name of the Module
BTCI08004	Structural Dynamics
BTCI08005	Earthquake Engineering
BTCI08006	Rock Mechanics
BTCI08007	Design of Hydraulic Structures
BTCI08008	Numerical Modelling of Groundwater Flow and Transport
BTCI08009	Traffic Analysis and Design

Elective-IV (Choose any one)	
Module/ Subject Code	Name of the Module
BTCI08010	Pavement Design and Construction
BTCI08011	GIS and Remote Sensing
BTCI08012	Industrial Waste Treatment
BTCI08013	Environmental Impact Assessment and Audit
BTCI08014	Construction Quality Control and Assurance
BTCI08015	Construction Contracts and Administration
BTCI08016	Smart Cities: Planning and Technology

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