

SVKM'S Narsee Monjee Institute of Management Studies
Mukesh Patel School of Technology Management and Engineering

Course Structure: Academic Year 2017-18

Teaching Scheme: B.Tech (2nd Year)

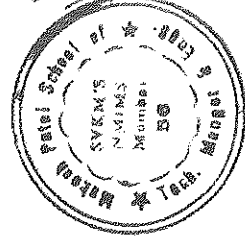
(As approved in the Academic Council)

Name of The Program: B.Tech Civil Engineering				Year: 2017-18		Semester: III										Template Codes			
Sr. No.	Module/ Course Code	Name of the Module/Course	Theory (Hours per week)	Practicals (Hours per week)	Tutorials (Hours per week)	Total No. of Hours for the Subject (Hours per week)	Total Credits	Term End Exam Duration (Hrs)		Examination Scheme (Weightage)									
								Written	Only ICA	Test - I	Test - II	Term Work	Total Marks	Scaled to (Marks)	Marks (Scaled to (Marks)	TEE (University/ School Examination)		Total	
																Marks	Weightage %		
1	BTCI03001	Engineering Mathematics - III	3	0	2	5	4	3	-	15	15	20	50	30	70	70	100	100	7008
2	BTCI03002	Surveying - I	3	2	0	5	4	3	-	15	15	20	50	30	70	70	100	100	7008
3	BTCI03003	Strength of Materials	3	2	0	5	4	3	-	15	15	20	50	30	70	70	100	100	7008
4	BTCI03004	Building Materials and Construction	3	0	2	5	4	3	-	15	15	20	50	30	70	70	100	100	7008
5	BTCI03005	Engineering Geology	3	0	0	3	3	3	-	15	15	20	50	30	70	70	100	100	7008
6	BTCI03006	Fluid Mechanics	3	2	0	5	4	3	-	15	15	20	50	30	70	70	100	100	7008
Total			18	6	4	28	23	18	-	90	90	120	300	180	420	420	600	-	-

Date :

Dr. R A Hegde

HOD, CIVIL Department



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Mukesh Patel School of Technology Management and Engineering

Course Structure: Academic Year 2017-18

Teaching Scheme: B.Tech (2nd Year)

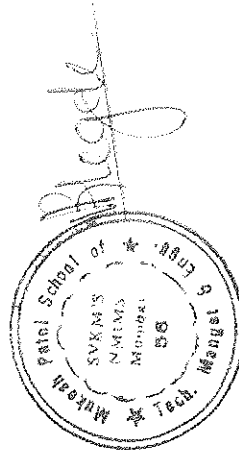
(As approved in the Academic Council)

Name of The Program: B.Tech Civil Engineering				Year: 2017-18		Semester: IV										Template Codes		
Sr. No.	Module/ Course Code	Name of the Module/Course	Theory (Hours per week)	Practicals (Hours per week)	Tutorials (Hours per week)	Total No. of Hours for the Subject (Hours per week)	Total Credits	Term End Exam Duration (Hrs)		Examination Scheme (Weightage)								
								Written	Only ICA	Test - I	Test - II	Term Work	Total Marks	Scaled to (Marks)	Marks (University/ School Examination)	Total	Weightage %	
1	BTCI04001	Engineering Mathematics - IV	3	0	2	5	4	3	-	15	15	20	50	30	70	100	100	7008
2	BTCI04002	Surveying - II	3	2	0	5	4	3	-	15	15	20	50	30	70	100	100	7008
3	BTCI04003	Structural Analysis - I	3	0	2	5	4	3	-	15	15	20	50	30	70	100	100	7008
4	BTCI04004	Concrete Technology	3	2	0	5	4	3	-	15	15	20	50	30	70	100	100	7008
5	BTCI04005	Hydraulic Engineering	3	2	0	5	4	3	-	15	15	20	50	30	70	100	100	7008
6	BTCI04006	Building Design and Drawing - I	1	4	0	5	3	4	-	15	15	20	50	30	70	100	100	7008
7	BTCI04007	Safety Health and Environmental Engineering**	2	0	0	2	0	-	Only ICA	15	15	20	50	50	-	50	100	7003
Total			18	10	4	32	23	19	-	105	105	140	350	230	420	650	-	-

** Non Credit Course

Date:

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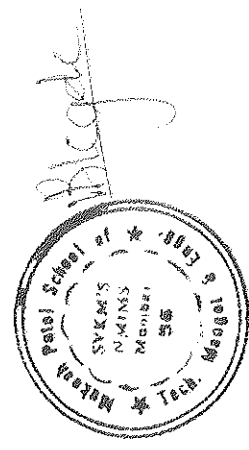
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Mukesh Patel School of Technology Management and Engineering

Course Structure: Academic Year 2017-18
Teaching Scheme: B.Tech (3rd Year)
(As approved in the Academic Council)

Name of The Program: B.Tech Civil Engineering		Year: 2017-18		Semester: V		Examination Scheme (Weightage)										Template Codes	
Sr. No.	Module/ Course Code	Name of the Module/ Course	Theory (Hours per week)	Practicals (Hours per week)	Tutorials (Hours per week)	Total No. of Hours for the Subject (Hours per week)	Total Credits	Term End Exam Duration (Hrs)		ICA				TEE (University/ School Examination)		Total	Weightage %
								Written	Only ICA	Test - I	Test - II	Term Work	Scaled to Marks	Scaled to Marks	(Marks)		
1	BTCI05001	Structural Analysis - II	3	0	2	5	4	3	-	15	15	20	50	30	70	100	100
2	BTCI05002	Geotechnical Engineering - I	3	2	0	5	4	3	-	15	15	20	50	30	70	100	100
3	BTCI05003	Building Design and Drawing - II	1	2	0	3	2	-	Only ICA	15	15	20	50	50	-	50	100
4	BTCI05004	Hydraulic Machinery	3	2	0	5	4	3	-	15	15	20	50	30	70	100	100
5	BTCI05005	Highway and Railway Engineering	3	2	0	5	4	3	-	15	15	20	50	30	70	100	100
6	BTCI05006	Environmental Engineering - I	3	2	0	5	4	3	-	15	15	20	50	30	70	100	100
7	BTCI05007	Building Utilities and Services	3	0	0	3	3	3	-	15	15	20	50	30	70	100	100
8	BTCI05008	Entrepreneurship and Management**	2	0	0	2	0	-	Only ICA	15	15	20	50	50	-	50	100
Total			21	10	2	33	25	18	-	120	120	160	400	280	420	700	-

** Non Credit Course

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Course Structure: Academic Year 2017-18

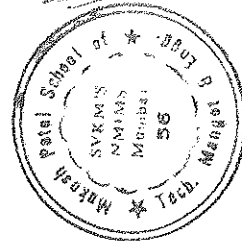
Teaching Scheme: B.Tech (3rd Year)

(As approved in the Academic Council)

Name of The Program: B.Tech Civil Engineering				Year: 2017-18		Semester: VI												
Sr. No.	Module/ Course Code	Name of the Module/Course	Theory (Hours per week)	Practicals (Hours per week)	Tutorials (Hours per week)	Total No. of Hours for the Subject (Hours per week)	Total Credits	Term End Exam Duration (Hrs)		Examination Scheme (Weightage)							Template Codes	
								Written	Only ICA	ICA			TEE (University/ School Examination)		Total		Marks	Weightage %
										Test - I	Test - II	Term Work	Total Marks	Scaled to (Marks)	Scaled to (Marks)	Marks		
1	BT CI06001	Geotechnical Engineering - II	3	0	2	5	4	3	-	15	15	20	50	30	70	70	100	7008
2	BT CI06002	Theory of Reinforced Concrete and Prestressed Concrete	3	0	2	5	4	3	-	15	15	20	50	30	70	70	100	7008
3	BT CI06003	Irrigation Engineering	3	0	0	3	3	3	-	15	15	20	50	30	70	70	100	7008
4	BT CI06004	Environmental Engineering - II	3	0	2	5	4	3	-	15	15	20	50	30	70	70	100	7008
5	BT CI06005	Design of Steel Structures	3	0	2	5	4	3	-	15	15	20	50	30	70	70	100	7008
6	BT CI06006	Transportation Engineering	3	0	0	3	3	4	-	15	15	20	50	30	70	70	100	7008
7	BT CI06007	Presentation and Communication Techniques	2	2	0	4	3	3	-	15	15	20	50	30	70	70	100	7008
Total			20	2	8	30	25	22	-	105	105	140	350	210	490	490	700	-

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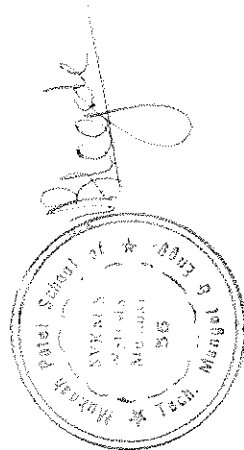
Course Structure: Academic Year 2017-18

Teaching Scheme: B.Tech (4th Year)

(As approved in the Academic Council)

Name of The Program: B.Tech Civil Engineering				Year: 2017-18		Semester: VII		Examination Scheme (Weightage)								Template Codes		
Sr. No.	Module/ Course Code	Name of the Module/Course	Theory (Hours per week)	Practicals (Hours per week)	Tutorials (Hours per week)	Total No. of Hours for the Subject (Hours per week)	Total Credits	Term End Exam Duration (Hrs)		ICA				TEE (University/ School Examination)		Total	Weightage %	
								Written	Only ICA	Test - I	Test - II	Term Work	Total Marks	Scaled to (Marks)	Marks			
1	BTCI07001	Limit State Design of Reinforced Concrete Structures	3	0	2	5	4	3	-	15	15	20	50	40	60	100	100	7005
2	BTCI07002	Quantity Surveying, Estimation and Valuation	3	0	2	5	4	3	-	15	15	20	50	40	60	100	100	7005
3	BTCI07003	Construction Equipment and Techniques	3	0	2	5	4	3	-	15	15	20	50	40	60	100	100	7005
4	BTCI07004	Project - I	0	0	6	6	3	-	Only ICA	-	-	50	50	50	-	50	100	7003
5	BTCI07005-10	Elective - I	3	0	2	5	4	3	-	15	15	20	50	40	60	100	100	7005
6	BTCI07011-17	Elective - II	3	0	2	5	4	3	-	15	15	20	50	40	60	100	100	7005
Total			15	0	16	31	23	15	-	75	75	150	300	250	300	550	-	-

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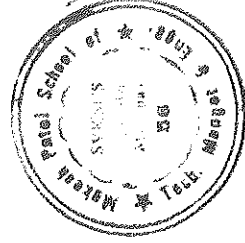
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Course Structure: Academic Year 2017-18

Teaching Scheme: B.Tech (4th Year)

(As approved in the Academic Council)

Name of The Program: B.Tech Civil Engineering										Year: 2017-18		Semester: VIII		Template Codes									
Sr. No.	Module/ Course Code	Name of the Module/ Course	Theory (Hours per week)	Practicals (Hours per week)	Tutorials (Hours per week)	Total No. of Hours for the Subject (Hours per week)	Total Credits	Term End Exam Duration (Hrs)		Examination Scheme (Weightage)													
								Written	Only ICA	ICA				TEE (University/ School Examination)		Total	Weightage %						
										Test - I	Test - II	Term Work	Total Marks	Scaled to (Marks)	Scaled to (Marks)			Marks					
1	BTCI08001	Advanced Design of Concrete Structures	3	0	2	5	4	3	-	15	15	20	50	40	60	100	100	7005					
2	BTCI08002	Construction Project Management and Finance	3	0	2	5	4	3	-	15	15	20	50	40	60	100	100	7005					
3	BTCI08003	Project-II	0	0	12	12	6	-	Only ICA	-	-	100	100	100	-	100	100	7003					
4	BTCI08004-09	Elective - III	3	0	2	5	4	3	-	15	15	50	50	40	60	100	100	7005					
5	BTCI08010-16	Elective - IV	3	0	2	5	4	3	-	15	15	20	50	40	60	100	100	7005					
Total			12	0	20	32	22	12	-	60	60	210	300	260	240	500	-	-					



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Elective-I	
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

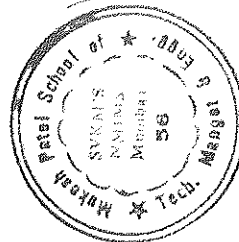
Elective-III	
Module/ Subject Code	Name of the Module
BTCI08004	Structural Dynamics
BTCI08005	Earthquake Engineering
BTCI08006	Rock Mechanics
BTCI08007	Design of Hydraulic Structures
BTCI08008	Numerical Modelling of Groundwater Flow and Transport
BTCI08009	Traffic Analysis and Design

Elective-II	
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

Elective-IV	
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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