

SVKM'S NMIMS
Mukesh Patel School of Technology Management & Engineering
Course Structure: Year 2016-17

Teaching Scheme: B (Tech) (1st Year) For the Academic Year (2016 - 17)

Name of the Programme : B. (Tech.) Common for all branches									Year: 2016 - 17				Semester : I/II										
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	Credits	Term End Exam Duration (Hrs)		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		Weight age %		
Semester - I																							
1	BTAB01001	BTAB01001	Engineering Mathematics - I		3	0	2	5	4	Written/ 3 hrs.	-	15	15	20	50	30	70	70	100	100	7008		
2	BTAB01002	BTAB01002	Engineering Physics		3	2	0	5	4	Written/ 3 hrs.	-	15	15	20	50	30	70	70	100	100	7008		
3	BTAB01003	BTAB01003	Basic Electrical Engineering		3	2	0	5	4	Written/ 3 hrs.	-	15	15	20	50	30	70	70	100	100	7008		
4	BTAB01004	BTAB01004	Engineering Drawing		3	4	0	7	5	Practical/ 3 hrs.	-	15	15	20	50	30	70*	70	100	100	7008		
5	BTAB01005	BTAB01005	Engineering Mechanics-I		3	2	0	5	4	Written/ 3 hrs.	-	15	15	20	50	30	70	70	100	100	7008		
6	BTAB01006	BTAB01006	Computer Programming-I		2	2	0	4	3	-	1	15	15	20	50	50	-	-	50	100	7003		
7	BTAB01007	BTAB01007	Communication Skills		2	0	2	4	3	Written/ 3 hrs.	-	15	15	20	50	30	70	70	100	100	7008		
Total					19	12	4	35	27	18	1	105	105	140	350	230	420	420	650				
Semester - II																							
1	BTAB02001	BTAB02001	Engineering Mathematics-II		3	0	2	5	4	Written/ 3 hrs.	-	15	15	20	50	30	70	70	100	100	7008		
2	BTAB02002	BTAB02002	Engineering Chemistry		3	2	0	5	4	Written/ 3 hrs.	-	15	15	20	50	30	70	70	100	100	7008		
3	BTAB02003	BTAB02003	Basic Electronics		3	2	0	5	4	Written/ 3 hrs.	-	15	15	20	50	30	70	70	100	100	7008		
4	BTAB02004	BTAB02004	Engineering Mechanics -II		3	0	2	5	4	Written/ 3 hrs.	-	15	15	20	50	30	70	70	100	100	7008		
5	BTAB02005	BTAB02005	Computer Programming-II		2	2	0	4	3	-	1	15	15	20	50	50	-	-	50	100	7003		
6	BTAB02006	BTAB02006	Workshop Practice		0	4	0	4	2	-	Only ICA	-	-	50	50	50	-	-	50	100	7003		
7	BTAB02007	BTAB02007	Constitution of India		2	0	0	2	0	-	Only ICA	15	15	20	50	50	-	-	50	100	7003		
Total					16	10	4	30	21	12	1	90	90	170	350	270	280	280	550				

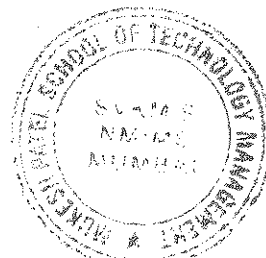
*Practical/TEE examination to be conducted at School level

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

Date: 14th July 2016

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

Dr. Sharad Mhaskar
(Dean's Signature)



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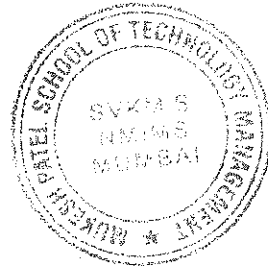
Course Structure: Year 2016-17
Teaching Scheme: BTech (2nd Year) For the Academic Year (2016-17)

Name of The Program: B.Tech Civil Engineering									Year: 2016-17			Semester: III								Template Codes	
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 (Hours per week)	Credit/s	Term End Exam Duration (Hrs)		Examination Scheme (Weightage)									
										Written	Only ICA	ICA				TEE		Total			
												Test - I	Test - II	Term Work	Total Marks	Scaled to (Marks)	Marks	Scaled to (Marks)	Marks		Weightage
1	BTAB03001	BTAB03001	Engineering Mathematics - III*		3	0	2	5	4	3	-	15	15	20	50	30	70	70	100	100	7008
2	BTCI03002	BTCI03002	Surveying - I		3	2	0	5	4	3	-	15	15	20	50	30	70	70	100	100	7008
3	BTCI03003	BTCI03003	Strength of Materials		3	2	0	5	4	3	-	15	15	20	50	30	70	70	100	100	7008
4	BTCI03004	BTCI03004	Building Materials and Construction		3	0	2	5	4	3	-	15	15	20	50	30	70	70	100	100	7008
5	BTCI03005	BTCI03005	Engineering Geology		3	0	0	3	3	3	-	15	15	20	50	30	70	70	100	100	7008
6	BTCI03006	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	-	-

* Common to all Programs

Date: 15-07-2016

R A Hegde
Dr. R A Hegde
HOD, CIVIL Department



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Course Structure: Year 2016-17
Teaching Scheme: BTech (2nd Year) For the Academic Year (2016-17)

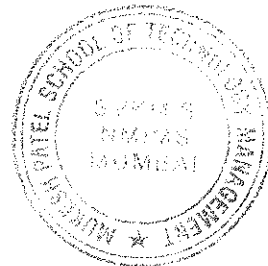
Name of The Program: B.Tech Civil Engineering									Year: 2016-17			Semester: IV							Template Codes		
Sr. No.	SAP Module Code	Module/ Subject Code	Name of the Module	No. of Students booked for Module	Theory (Hours per week)	Practicals (Hours per week)	Tutorials (Hours per week)	Total No. of Hours for the Subject (Hours per week)	Credit/s	Term End Exam Duration (Hrs)	Examination Scheme (Weightage)										
											ICA					TEE		Total			
											Written	Only ICA	Test - I	Test - II	Term Work	Total Marks	Scaled to (Marks)	Marks		Scaled to (Marks)	Marks
1	BTAB04001	BTAB04001	Engineering Mathematics - IV*		3	0	2	5	4	3	-	15	15	20	50	30	70	70	100	100	7008
2	BTCI04002	BTCI04002	Surveying - II		3	2	0	5	4	3	-	15	15	20	50	30	70	70	100	100	7008
3	BTCI04003	BTCI04003	Structural Analysis - I		3	0	2	5	4	3	-	15	15	20	50	30	70	70	100	100	7008
4	BTCI04004	BTCI04004	Concrete Technology		3	2	0	5	4	3	-	15	15	20	50	30	70	70	100	100	7008
5	BTCI04005	BTCI04005	Hydraulic Engineering		3	2	0	5	4	3	-	15	15	20	50	30	70	70	100	100	7008
6	BTCI04006	BTCI04006	Building Design and Drawing - I		1	4	0	5	3	4	-	15	15	20	50	30	70	70	100	100	7008
7	BTCI04007	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	350	420	420	650	-	-

* Common to all Programs

** Non Credit Course

Date: 15-07-2016

R. A. Hegde
Dr. R A Hegde
HOD, CIVIL Department



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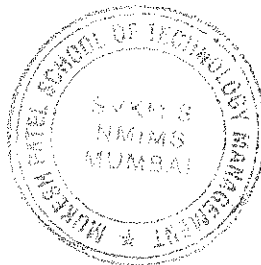
Course Structure: Year 2016-17
Teaching Scheme: BTech (3rd Year) For the Academic Year (2016-17)

Name of The Program: B.Tech Civil Engineering									Year: 2016-17				Semester: V							Template Codes	
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 (Hours per week)	Credit/s	Term End Exam Duration (Hrs)		Examination Scheme (Weightage)									
										Written	Only ICA	ICA			TEE		Total				
												Test - I	Test - II	Term Work	Total Marks	Scaled to (Marks)	Marks	Scaled to (Marks)	Marks		Weightage
1	BTCI05001	BTCI05001	Structural Analysis - II		3	0	2	5	4	3	-	15	15	20	50	40	60	60	100	100	7005
2	BTCI05002	BTCI05002	Geotechnical Engineering - I		3	2	0	5	4	3	-	15	15	20	50	40	60	60	100	100	7005
3	BTCI05003	BTCI05003	Building Design and Drawing - II		1	2	0	3	2	-	Only ICA	15	15	20	50	50	-	-	50	100	7003
4	BTCI05004	BTCI05004	Hydraulic Machinery		3	2	0	5	4	3	-	15	15	20	50	40	60	60	100	100	7005
5	BTCI05005	BTCI05005	Highway and Railway Engineering		3	2	0	5	4	3	-	15	15	20	50	40	60	60	100	100	7005
6	BTCI05006	BTCI05006	Environmental Engineering - I		3	2	0	5	4	3	-	15	15	20	50	40	60	60	100	100	7005
7	BTCI05007	BTCI05007	Building Utilities and Services		3	0	0	3	3	3	-	15	15	20	50	40	60	60	100	100	7005
8	BTCI05008	BTCI05008	Entrepreneurship and Management**		2	0	0	2	0	-	Only ICA	15	15	20	50	50	-	-	50	100	7003
Total					21	10	2	33	25	18	-	120	120	160	400	340	360	360	700	-	-

** Non Credit Course

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R A Hegde
Dr. R A Hegde
HOD, CIVIL Department

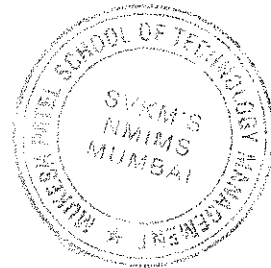


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Course Structure: Year 2016-17
Teaching Scheme: BTech (3rd Year) For the Academic Year (2016-17)

Name of The Program: B.Tech Civil Engineering									Year: 2016-17			Semester: VI							Template Codes		
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 (Hours per week)	Credit/s	Term End Exam Duration (Hrs)		Examination Scheme (Weightage)									
										Written	Only ICA	ICA			TEE		Total				
												Test - I	Test - II	Term Work	Total Marks	Scaled to (Marks)	Marks	Scaled to (Marks)		Marks	Weightage
1	BTCI06001	BTCI06001	Geotechnical Engineering - II		3	0	2	5	4	3	-	15	15	20	50	40	60	60	100	100	7005
2	BTCI06002	BTCI06002	Theory of Reinforced Concrete and Prestressed Concrete		3	0	2	5	4	3	-	15	15	20	50	40	60	60	100	100	7005
3	BTCI06003	BTCI06003	Irrigation Engineering		3	0	0	3	3	3	-	15	15	20	50	40	60	60	100	100	7005
4	BTCI06004	BTCI06004	Environmental Engineering - II		3	0	2	5	4	3	-	15	15	20	50	40	60	60	100	100	7005
5	BTCI06005	BTCI06005	Design of Steel Structures		3	0	2	5	4	3	-	15	15	20	50	40	60	60	100	100	7005
6	BTCI06006	BTCI06006	Transportation Engineering		3	0	0	3	3	4	-	15	15	20	50	40	60	60	100	100	7005
7	BTCI06007	BTCI06007	Presentation and Communication Techniques		2	2	0	4	3	3	-	15	15	20	50	40	60	60	100	100	7005
Total					20	2	8	30	25	22	-	105	105	140	350	280	420	420	700	-	-

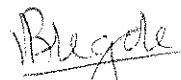
Date: 15-07-2016 *R Hegde*
Dr. R A Hegde
HOD, CIVIL Department

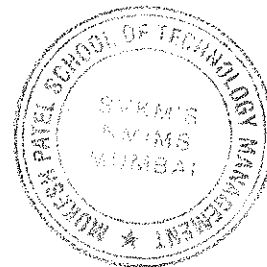


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Course Structure: Year 2016-17
Teaching Scheme: BTech (4th Year) For the Academic Year (2016-17)

Name of The Program: B.Tech Civil Engineering									Year: 2016-17			Semester: VII							Template Codes		
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 (Hours per week)	Credit/s	Term End Exam Duration (Hrs)	Examination Scheme (Weightage)										
											ICA					TEE		Total			
											Written	Only ICA	Test - I	Test - II	Term Work	Total Marks	Scaled to (Marks)	Marks		Scaled to (Marks)	Marks
1	71105L001	BTCI07001	Limit State Design of Reinforced Concrete Structures		3	0	2	5	4	3	-	15	15	20	50	40	60	60	100	100	7005
2	71105Q003	BTCI07002	Quantity Surveying, Estimation and Valuation		3	0	2	5	4	3	-	15	15	20	50	40	60	60	100	100	7005
3	71105C013	BTCI07003	Construction Equipment and Techniques		3	0	2	5	4	3	-	15	15	20	50	40	60	60	100	100	7005
4	71105P009	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	60	100	100	7005
6		BTCI07011-17	Elective - II		3	0	2	5	4	3	-	15	15	20	50	40	60	60	100	100	7005
Total					15	0	16	31	23	15	-	75	75	150	300	250	300	300	550	-	-

Date: 15-07-2016

 Dr. R A Hegde
 HOD, CIVIL Department



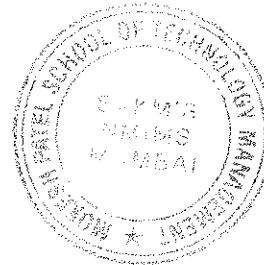
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Course Structure: Year 2016-17
Teaching Scheme: BTech (4th Year) For the Academic Year (2016-17)

Name of The Program: B.Tech Civil Engineering									Year: 2016-17		Semester: VIII										Template Codes
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 (Hours per week)	Credit/s	Term End Exam Duration (Hrs)		Examination Scheme (Weightage)									
										Written	Only ICA	ICA				TEE		Total			
												Test - I	Test - II	Term Work	Total Marks	Scaled to (Marks)	Marks	Scaled to (Marks)	Marks	Weightage	
1	71105A003	BTCI08001	Advanced Design of Concrete Structures		3	0	2	5	4	3	-	15	15	20	50	40	60	60	100	100	7005
2	71105C015	BTCI08002	Construction Project Management and Finance		3	0	2	5	4	3	-	15	15	20	50	40	60	60	100	100	7005
3	71105P010	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	60	100	100	7005
5		BTCI08010-16	Elective - IV		3	0	2	5	4	3	-	15	15	20	50	40	60	60	100	100	7005
Total					12	0	20	32	22	12	-	60	60	210	300	260	240	240	500	-	-

Date: 15-07-2016

Blegde
Dr. R A Hegde
HOD, CIVIL Department



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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

Date: 15-07-2016

B. Hegde
Dr. R A Hegde
HOD, CIVIL Department

