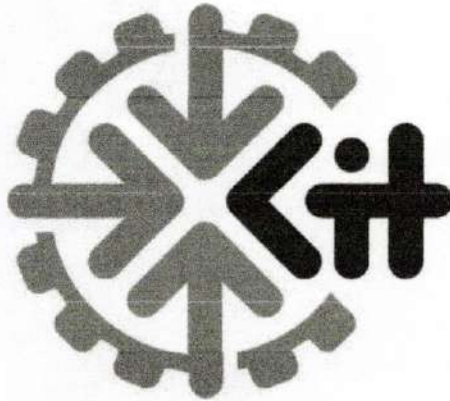


Kolhapur Institute of Technology's

COLLEGE OF ENGINEERING (AUTONOMOUS),

Gokul Shirgaon, Kolhapur



KOLHAPUR INSTITUTE
OF TECHNOLOGY'S
**COLLEGE OF
ENGINEERING**
(AUTONOMOUS),
KOLHAPUR

Revised Curriculum Structure

For


M.Tech.

Civil and Structural Engineering

Post Graduate Programme

Approved in BoS on 15.05.2024

Approved in Academic Council on 25.05.2024


Dean Academics
Kolhapur Institute of Technology's
College of Engineering (Autonomous),
Kolhapur


Dr. Aditya Khebudkar
H.O.D., Civil Engg. Department
Kolhapur Institute of Technology's
College of Engineering (Autonomous),
Kolhapur



Teaching and Evaluation scheme for M.Tech. First Year Semester –I											
Sr. No	Curriculum Component	Course Code	Course	Teaching Scheme				Evaluation Scheme			
				L	T	P	Credit	Component	Marks		
									Max	Min for Passing	
1		MCVPC 0101	Advanced Structural Analysis	3	0	0	3	ISE-I	10		40
								MSE	30		
								ISE-II	10		
								ESE	50	20	
2		MCVPC 0102	Theory of Elasticity & Plasticity	3	1	0	4	ISE-I	10		40
								MSE	30		
								ISE-II	10		
								ESE	50	20	
3		MCVPC 0103	Advanced Concrete Structures Design	3	0	0	3	ISE-I	10		40
								MSE	30		
								ISE-II	10		
								ESE	50	20	
4		MCVPE 01**	Program Elective I*	3	0	0	3	ISE-I	10		40
								MSE	30		
								ISE-II	10		
								ESE	50	20	
5		MCVAU 0161	Project Planning and Scheduling (AUDIT)	2	0	0	0	ISE	100	40	
6		MCVPC 0131	Modeling & Simulation Laboratory	0	0	4	2	ISE	50	20	
7		MCVPC 0132	Advanced Concrete Structures Design Laboratory	0	0	2	1	ISE	50	20	
8		MCVIL 0141	Research Methodology	3	1	0	4	ESE	100	40	
			Total	17	2	6	20	Total Contact Hrs			25
				Total Credits			20	Total Marks			700

Teaching and Evaluation scheme for M.Tech. First Year Semester –II

Sr. No	Curriculum Component	Course Code	Course	Teaching Scheme				Evaluation Scheme			
				L	T	P	Credit	Component	Marks		
									Max	Min for Passing	
1		MCVPC 0201	Finite Element Method	3	1	0	4	ISE-I	10		40
								MSE	30		
								ISE-II	10		
								ESE	50	20	
2		MCVPC 0202	Structural Dynamics and Earthquake Engineering	3	1	0	4	ISE-I	10		40
								MSE	30		
								ISE-II	10		
								ESE	50	20	
3		MCVPC 0203	Advanced Design of Steel Structures	3	1	0	4	ISE-I	10		40
								MSE	30		
								ISE-II	10		
								ESE	50	20	
4		MCVPE 02**	Program Elective II*	3	0	0	3	ISE-I	10		40
								MSE	30		
								ISE-II	10		
								ESE	50	20	
6		MCVAU 0261	Geo Informatics in Urban Planning (AUDIT)	2	0	0	0	ISE	100		40
7		MCVPC 0231	Advanced Design of Steel Structures Laboratory	0	0	4	2	ISE	50		20
8		MCVPC 0232	Structural Dynamics and Earthquake Engineering Laboratory	0	0	2	1	ISE	50		20
10		MCVIL 0241	Mini Project	0	0	4	2	ISE	100		40
			Total	14	3	10	20	Total Contact Hrs			27
				Total Credits			20	Total Marks			700

Teaching and Evaluation scheme for **M.Tech. First Year Semester –III**

Sr. No	Curriculum Component	Course Code	Course	Teaching Scheme				Evaluation Scheme		
				L	T	P	Credit	Component	Marks	
									Max	Min for Passing
1		MCVIL 0341	Internship	0	0	20	10	ISE	100	40
2		MCVIL 0351	Dissertation Phase-I	0	0	20	10	ISE I	25	10
								ISE II	25	10
								ESE(OE)	100	40
			Total	0	0	40	20	Total Contact Hrs/Week/Student		40
				Total Credits			20	Total Marks		250

Teaching and Evaluation scheme for **M.Tech. First Year Semester –IV**

Sr. No	Curriculum Component	Course Code	Course	Teaching Scheme				Evaluation Scheme		
				L	T	P	Credit	Component	Marks	
									Max	Min for Passing
2		MCVIL 0451	Dissertation Phase-II	0	0	40	20	ISE I	50	20
								ISE II	50	20
								ESE(OE)	150	60
			Total	0	0	40	20	Total Contact Hrs/Week/Student		40
				Total Credits			20	Total Marks		250

LIST OF PROGRAM ELECTIVES*

Semester - I

Sr No	Course Code	Program Elective I
1	MCVPE 0111	Earth Retaining Structures And Soil Improvement
2	MCVPE 0112	Design of RCC Bridges
3	MCVPE 0113	Advanced Design of Foundation
4	MCVPE 0114	Advanced Prestressed Concrete

Semester - II

Sr No	Course Code	Program Elective II
1	MCVPE 0211	Advanced Construction Technique
2	MCVPE 0212	Repairs and Rehabilitation of Structures
3	MCVPE 0213	Theory of plates and Shells
4	MCVPE 0214	Tall Building Structures

Teaching and Evaluation scheme for Exit Courses after Semester – II										
Sr. No	Curriculum Component	Course Code	Course	Teaching Scheme				Evaluation Scheme		
				L	T	P	Credit	Component	Marks	
									Max	Min for Passing
1		MCVEX 0191	Exit Course – I BIM Workflow	3	1	-	4	ISE	100	40
2		MCVEX 0192	Exit Course – II (Training)	-	-	8	4	ISE	100	40
			Total	3	1	8	8	Total Contact Hrs/Week/Student	12	
				Total Credits			8	Total Marks	200	

Notes:

1. Mini Project workload shall be considered as 01 hour/ student/ week.
2. Dissertation Phase – I and Dissertation Phase – II workload shall be considered as 05 hours/ student/ week.
3. PG Student is required to publish at least one paper in a SCI/ SCIE/ SCOPUS/ Web of Science/ UGC CARE/ Peer-Reviewed Journal before Thesis Submission.