COLLEGE OF ENGINEERING (AUTONOMOUS),

Gokul Shirgaon, 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

Doon Academics

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



COLLEGE OF ENGINEERING (AUTONOMOUS), KOLHAPUR



Teaching and Evaluation scheme for M.Tech. First Year Semester -I											
	ım					hing eme		Evaluation Scheme			
Sr.	cult	Course Code	Course				Ţ.		Marks		
No	Curriculum Component	స్రే ర	Course	L	T	P	Credit	Component	Max		in for ssing
								ISE-I	10		
1		MCVPC	Advanced Structural	3	0	0	3	MSE	30		40
1		0101	Analysis					ISE-II	10		40
			J					ESE	50	20	
					1	0		ISE-I	10		
2		MCVPC	Theory of	3			4	MSE	30		40
4		0102	Elasticity & Plasticity	3			4	ISE-II	10		40
			3					ESE	50	20	
			Advanced	3	0	0		ISE-I	10		
3		MCVPC	Concrete Structures				3	MSE	30		40
3		0103						ISE-II	10		40
			Design					ESE	50	20	
		MCVPE 01**	Program Elective I*	3				ISE-I	10		
4					0	0	3	MSE	30		40
4					O		3	ISE-II	10		40
								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 Cont	act Hr	t Hrs 2	
					Total Credits			Total Marks			700

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Т	Teaching and Evaluation scheme for M.Tech. First Year Semester -II											
	um ent	ø				hing eme	•	Evaluat	ion Scl	neme		
Sr.	cul	Course Code	Course				it		Marks			
No	Curriculum Component	္ပိ ပိ		L	Т	P	Credit	Component	Max		n for ssing	
								ISE-I	10			
1		MCVPC	Finite Element	3	1	0	4	MSE	30		40	
1		0201	Method	3	1	0	4	ISE-II	10		40	
								ESE	50	20		
			Structural		1	0		ISE-I	10			
		MCVPC	Dynamics and	3			4	MSE	30		40	
2		0202	Earthquake	3				ISE-II	10		40	
			Engineering					ESE	50	20		
			Advanced	3	1	0		ISE-I	10			
2		MCVPC	Design of Steel				4	MSE	30		40	
3		0203						ISE-II	10		40	
			Structures					ESE	50	20		
		MCVPE 02**	Program Elective II*	3		0	3	ISE-I	10			
4								MSE	30		40	
4				3	0	0	3	ISE-II	10		40	
								ESE	50	20		
6		MCVAU 0261	Geo Informatics in Urban Planning (AUDIT)	2	0	0	0	ISE	100	4	40	
7		MCVPC 0231	Advanced Design of Steel Structures Laboratory	0	0	4	2	ISE	50	2	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	00 40		
			Total	14	3	10	20	Total Con	Total Contact Hrs			
_					rota redi		20	Total N	700			



Т	Teaching and Evaluation scheme for M.Tech. First Year Semester -III												
	um	Code				ching eme		Evaluation Scheme					
Sr.	ulu: one		Course				Credit		Marks				
No	Curriculum Component	Course	Course	L	LT	P		Component	Max	Min for Passing			
1		MCVIL 0341	Internship	0	0	20	10	ISE	100	40			
		MCVIL 0351		0			10	ISE I	25	10	0		
2					0	20		ISE II	25	10	0		
								ESE(OE)	100	40	0		
			Total	O	0	40	20	Total Contact Hrs/Week/Student			40		
				Total Credits		20	Total Marks			250			



Т	eachir	ng and E	valuation schen	ne for	M.	Tecl	ı. Fi	rst Year S	emest	er –	<u>IV</u>
ım snt		Code			ching eme		Evaluation Scheme				
Sr.	. 2 0 n		Course				t		Marks		i
No		Course	Course	L	Т	P	Credit	Compone nt	Max		n for ssing
								ISE I	50	2	20
2		MCVIL	Dissertation Phase-II	0	0	40	20	ISE II	50	2	20
		0451						ESE(OE)	150	(50
			Total	0 0 40 20			20		Contact 40 ek/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									

COLLEGE OF ENGINEERING (AUTONOMOUS), KOLHAPUR



Т	`eachi	ng and E	Evaluation scher	ne fo	or E	xit (Cou	rses after S	emes	ter –	II
	um	Code				ching eme		Evalua	tion Sc	heme	
Sr.	ulu: one		Course				t		Marks		
No	Curriculum Component	Course	Course	L	ТР	Credit	Component		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	4	0
			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.