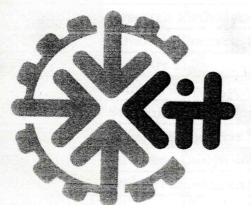
COLLEGE OF ENGINEERING (AUTONOMOUS),

Gokul Shirgaon, Kolhapur



KOLHAPUR INSTITUTE OF TECHNOLOGY'S

COLLEGE OF ENGINEERING (AUTONOMOUS), KOLHAPUR

Curriculum Structure

For

M.Tech.

Civil and Structural Engineering
Post Graduate Programme

Approved in Academic Concil (Date: 06.02.2021)

Ma - a.02.7024

Prof. M. A. CHAVAN
H.O.D., Civil Engg. Department
Kolhapur Institute of Technology's
College of Engineering (Autonomous)
Kolhapur

Dean Academic

Director

Kolhapur Institute of Technology's
College of Engineering (Auto College of Engineering (Autonomous
Kolhapur Kolhapur



	Teaching and Evaluation scheme for M.Tech. First Year Semester –I												
	um ent	()				hing eme		Evaluati	on Sch	eme			
Sr.	cul	Course	Course						Marks		3		
No	Curriculum Component			L	TP		Credit	Component	Max	Min for Passing			
								ISE-I	10				
1	PC	PCST	Advanced Solid	3	1	0	4	ISE-II	10		40		
1	PC	0101	Mechanics	3			4	MSE	30		40		
								ESE	50	20			
								ISE-I	10				
	DO	PCST	Advanced		1		4	ISE-II	10		40		
2	PC	0102	Structural Analysis	3		0	4	MSE	30		40		
			Thrais 516					ESE	50	20			
			Advanced					ISE-I	10		40		
	DO	PCST 0103	Concrete Structures Design	3	0	0		ISE-II	10				
3	PC						3	MSE	30				
								ESE	50	20			
								ISE-I	10		40		
	-	PCST	Professional Elective I*	3		0		ISE-II	10				
4	PE	01**			1		4	MSE	30				
								ESE	50	20			
								ISE-I	10				
	(PCST	Professional					ISE-II	10				
5	PE	01**	Elective II*	3	1	0	4	MSE	30		40		
								ESE	50	20			
6		PCST 0161	Research Methodology (Audit Course)	2	0	0	0	ESE	100	2	40		
		PCST	Advanced					ISE	50		20		
7	PC	0131	Concrete Structures Design Lab.	0	0	2	1	ESE OE	50	2	20		
8	PC	PCST 0132	Software Lab	0	0	4	2	ISE	50		20		
	10					Software Lab			ı '		ESE OE	50	2
9	PW	PCST 0141	Seminar-I	0	0	2	1	ISE	100	4	40		
			Total	17	4	8	23	Total Cont	act Hr	s	29		



Т	Teaching and Evaluation scheme for M.Tech. First Year Semester -II										
	um ent	4)				hing eme		Evaluation Scheme			
Sr.	cult	Course Code	Course				ij		Marks		
No	Curriculum Component			L	Т	P	Credit	Component	Max		n for ssing
1	PC	PCST 0201	Structural Dynamics and Earthquake Engineering	3	1	0	4	ISE-I ISE-II MSE ESE	10 10 30 50	20	40
2	PC	PCST 0202	Advanced Concrete Technology	3	1	0	4	ISE-II ISE-II MSE ESE	10 10 30 50	20	40
3	PC	PCST 0203	Advanced Design of Steel Structures	3	1	0	4	ISE-I ISE-II MSE ESE	10 10 30 50	20	40
4	PE	PCST 02**	Professional Elective III*	3	1	0	4	ISE-I ISE-II MSE ESE	10 10 30 50	20	40
5	PE	PCST 02**	Professional Elective IV*	3	1	0	4	ISE-I ISE-II MSE ESE	10 10 30 50	20	40
6		PCST 0261	Cost Management (Audit Course)	2	0	0	0	ESE	100	,	40
7	PC	PCST 0231	Advanced Design of Steel Structures Lab.	0	0	4	2	ISE ESE OE	50 50		20 20
8	PW	PCST 0232	Mini Project	0	0	4	2	ISE ESE OE	50 50		20 20
9	PW	PCST 0241	Seminar-II	0	0	2	1	ISE	100		40
			Total	17	5	10	25	Total Con	tact Hr	's	32

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Т	Teaching and Evaluation scheme for M.Tech. First Year Semester -III										
	ım	Code		Teaching Scheme				Evaluation Scheme			
Sr.	lizi One		Course				t		IV.	/Iarks	
No	Curriculum Component	Course	Course	L	Т	P	Credit	Component	Max	Min for Passing	
1	PW	PCST 0341	Internship	0	0	0	2	ISE-1	50	20	
2	DUI	PCST	Dissertation	0	0		2	ISE-I	50	60	
4	PW	0351	Phase-I	U	0	5	4	ISE-II	100	60	
3	PW	PCST 0352	Dissertation Phase-II	0	0		4	ESE (OE)	100	40	
			Total	0	o	5	12	Total Contact Hrs/Week/Student			

Important Note:

Internship should be completed after Semester-II and before End Semester Examination of Semester-III. Minimum duration of internship should not be less than 16 weeks.



Т	Teaching and Evaluation scheme for M.Tech. First Year Semester –IV											
	ım	Code				hing eme		Evalua	ation Sc	heme		
Sr.	cult		Course						N	Iarks		
No	Curriculum Component	Course	Course	L	Т	P	Credit	Compone nt	Max	Min for Passing		
2	PW	PCST	Dissertation	0	0	0		4	ISE-I	100	80	
2	1 00	0451	Phase-III		U	6	4	ISE-II	100	80		
3	PW	PCST 0452	Dissertation Phase-IV	0	0		8	ESE (OE)	200	80		
			Total	0	0	6	16	Total Hrs/Wee	Contac k/Stud		6	



LIST OF PROFESSIONAL ELECTIVES											
	Semester - I										
Sr No	Course Code Professional Elective I										
1	PCST0121	Earth Retaining Structures And Soil Improvement									
2	PCST0122	Advanced Construction Techniques									
3	PCST0123	Repairs and Rehabilitation of Structures									
Sr No	Course Code	Professional Elective II									
1	PCST0126	Design of RCC Bridges									
2	PCST0127	Theory of plates and Shells									
3	PCST0128	Advanced Design of Foundation									
		Semester - II									
Sr No	Course Code	Professional Elective III									
1	PCST0221	Project Planning and Scheduling									
2	PCST0222	Advanced Numerical Methods									
3	PCST0223	Digital Cartography, Remote Sensing And GNSS									
Sr No	Course Code	Professional Elective IV									
1	PCST0226	Advanced Prestressed Concrete									
2	PCST0227	Tall Building Structures									
3	PCST0228	Finite Element Method									

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Program Credits Distribution

Curriculum Component	Credits
Professional Courses	27
Professional Electives	16
Seminar/Mini Project/Internship/Project	33
Total	76

