K L E F
DEPARTMENT OF CIVIL ENGINEERING
COURSES FOR ODD SEMESTER, 2019-2020

S.NO.	COURSE CODE	COURSE NAME	L-T-P	Credits
		M.Tech -Structural Engineering- (I/II M.Tech -Semester -1)		
1	18CE5101	Applied Mathematics	3-1-0	4
2	18CE5102	Theory of Elasticity	3-1-0	4
3	18CE5103	Structural Dynamics	3-0-2	4
4	18CE5104	Advanced Prestressed Concrete	3-0-2	4
5		**Elective-1**	3-0-0	3
	18CE51A1	Repair and Rehabilitation of structures		
	18CE51A2	Design of Offshore structures		
6		**Elective – II**	3-0-0	3
	18CE51B1	Geotechnical Earthquake Engineering		
	18CE51B2	Stability of Structures		
7	18CE5149	Seminar	0-0-4	2
		Total Credits		**24**

S.NO	Course code	Course Title	L-T-P	Credits
		M.Tech- Construction Technology and Management – (I/II M.Tech - Semester -1)		
1	18CE5121	Green Buildings	3-0-2	4
2	18CE5122	Construction Materials & Concrete Technology	3-1-0	4
3	18CE5119	Construction Planning Scheduling and	3-2-0	4
4	18CE5120	Statistical Methods for Management	3-1-0	4
5		**Elective 1**	3-0-0	3
	18CE51I1	High Performance Buildings		
	18CE51I2	Precast Concrete Structure		
	18CE51I3	Special Concrete		
	18CE51I4	**Structural Health Monitoring**		
6		**Elective 2**	3-0-0	3
	18CE51J1	**Construction Personnel Management**		
	18CE51J2	Building Services, Maintenance Management		
	18CE51J3	Infrastructure Valuation		
	18CE51J4	Construction Economics & Finance		
7	18 IE 5149	Seminar	0-0-4	2
		Total Credits		**24**

S.NO	Course code	Course Title	L-T-P	Credits
1	18CE5109	Fundamentals of Geospatial Technology	3-0-2	4
2	18CE5110	Geographical Information System	3-0-2	4
3	18CE5111	Advanced computer Programming and Statistics	3-1-0	4
4	18CE5112	Photogrammetry	3-1-0	4
5		**Elective 1**	3-0-0	3
	18CE51E1	**Principles of Earth & Environment Sciences**		
	18CE51E2	Geoinformatics for Water Resource Management		
	18CE51E3	Data base Management system(DBMS)		
	18CE51E4	Topographical Surveying		
6		**Elective 2**	3-0-0	3
	18CE51F1	Advanced Surveying and cartography		
	18CE51F2	**Environmental Geoinformatics**		
	18CE51F3	Structural Analysis using Geomatics		
	18CE51F4	Geospatial Technology for Transport Engineering		
7	18IE5149	Seminar	0-0-4	2
		Total Credits		**24**

B.Arch

18AR2104	Mechanics of Structures - I	3-0-0	3
15AR3118	Design of Structures - II	4-0-0	4
15AR4124	Estimation costing and specification	3-0-3	4

Course Code	Course Title	Periods per Week			Credits
		L	T	P	
	Computer Programming and Application	3	0	2	4
	Industrial Waste water treatment	3	0	2	4
	Statistics and Numerical Techniques	3	2	0	4
	Thermodynamics	3	2	0	4
	Elective –I	3	0	0	3
	Non-Conventional Energy Sources/ Renewable Energy				
	Biomass Conversion Technologies & Waste Management				
	Alternative Fuels.				
	Solid and Hazardous Waste Management				
	Elective –II	3	0	0	3
	Energy, Environment & Climate Change				
	Environmental Legislations and Economics				
	Environmental Impact Assessment				

	Energy Auditing Techniques				
	Seminar	0	0	4	2
	TOTAL CREDITS				24