



ADAMAS UNIVERSITY
SCHOOL OF ENGINEERING & TECHNOLOGY
Department of Civil Engineering
M.Tech. Construction Engineering
& Management Programme
Course Structure
(2020-21)

Course Structure for M.Tech (Construction Engineering & Management)

SEMESTER I								
Sl. No.	Course Type	Course Code	Title of the Course	L	T	P	Contact Hours/ Week	Credits
1	Theory	SDS21201	Probability Theory and Statistical Techniques	3	0	0	3	3
2	Theory	CEM21001	Management Principles and Risk Analysis	3	0	0	3	3
3	Theory	CEM21002	Construction Planning, Scheduling and Control	3	0	0	3	3
4	Theory		Elective I					
		CEM21003	Modern Construction Materials	3	0	0	3	3
		CEM21004	Construction Equipment and Management					
		CEM21005	Project Formulation and Appraisal					
5	Theory	CEM21006	Construction Project Management	3	0	0	3	3
6	Practical	CEM22007	Construction Materials Laboratory	0	0	3	3	2
7	Sessional	CEM25008	Seminar	0	0	2	2	1
8	Sessional	CEM25009	Assignment I	0	0	0	0	2
			Total	15	0	5	20	20

SEMESTER II								
Sl. No.	Course Type	Course Code	Title of the Course	L	T	P	Contact Hours/ Week	Credits
1	Theory	CEM21010	Construction Personnel Management	3	0	0	3	3
2	Theory	CEM21011	Quality Control and Assurance in Construction	3	0	0	3	3
3	Theory	CEM21012	Project Safety Management	3	0	0	3	3
4	Theory		Elective II					
		CEM21013	Contract Laws and Regulations	3	0	0	3	3
		CEM21014	Advanced Construction Techniques					
		CEM21015	Functional Planning and Building Management					
5	Theory		Elective III					
		CEM21016	Resource Management and Control in Construction	3	0	0	3	3
		CEM21017						

		CEM21018	Maintenance and Rehabilitation of Structures Building Information Management					
6	Practical	CEM22019	Computational Laboratory for Construction Management	0	0	3	3	2
7	Sessional	CEM25020	Assignment II	0	0	0	0	2
			Total	15	0	3	18	19

SEMESTER III								
Sl. No.	Course Type	CourseCode	Title of the Course	L	T	P	Contact Hours/ Week	Credits
1	Sessional	CEM24021	Industrial Training & Technical Presentation*	0	0	0	4	4
2	Thesis	CEM25022	Pre-Dissertation	0	0	0	24	18
3	Viva	CEM25023	Pre-submission Defense of Dissertation	0	0	0	0	4
			Total	0	0	0	28	26

*Industrial Training will be for 30 days, taken at the end of 2nd semester and will be evaluated in the 3rd semester.

SEMESTER IV								
Sl. No.	Course Type	CourseCode	Title of the Course	L	T	P	Contact Hours/ Week	Credits
1	Thesis	CEM25024	Dissertation	0	0	0	24	18
2	Viva	CEM25025	Defense of Dissertation	0	0	0	0	6
3	Viva	CEM25026	Comprehensive Viva	0	0	0	0	4
			Total	0	0	0	24	28

TOTAL CREDITS = 93

Total Credits Distribution Semester wise:

Semester	I	II	III	IV	Total Credits
Credits	20	19	26	28	93