

**Tatyasaheb Kore Institute of Engineering and Technology,
Warananagar**

**First Year M. Tech. Civil Construction and Management (Semester-I)
(To be implemented from 2020-21)**

Credit Scheme

Course Code	Category	Course Title	Teaching Scheme				Credit Scheme			
			TH	Tut	P	Total Contact Hours	TH	Tut	P	Total Credit Assigned
CCM-PCC-101	PCC	Construction Project Management.	3	1	--	4	3	1	--	4
CCM-PCC-102	PCC	Project Economics and Financing.	3	1	--	4	3	1	--	4
CCM-PE-103	PE	Program Elective - I	3	--	--	3	3	--	--	3
CCM-PE-104	PE	Program Elective - II	3	--	--	3	3	--	--	3
CCM-PE-105	PE	Program Elective - III	3	--	--	3	3	--	--	3
CCM-LC-106	LC	Laboratory Practice.	--	--	4	4	--	--	2	2
CCM-SW-107	SW	Seminar-I	--	--	2	2	--	--	--	1
			15	02	06	23	15	2	2	20

Evaluation Scheme

Course Code	Category	Course Title	Examination Scheme							
			ISE			ESE	TW	O	P	Total
			ISE-I	ISE-II	Avg					
CCM-PCC-101	PCC	Construction Project Management.	30	30	30	70	25	25	--	150
CCM-PCC-102	PCC	Project Economics and Financing.	30	30	30	70	25	--	--	125
CCM-PE-103	PE	Program Elective - I	30	30	30	70	--	--	--	100
CCM-PE-104	PE	Program Elective - II	30	30	30	70	--	--	--	100
CCM-PE-105	PE	Program Elective - III	30	30	30	70	--	--	--	100
CCM-LC-106	LC	Laboratory Practice.	--	--	--	--	25	--	--	25
CCM-SW-107	SW	Seminar-I	--	--	--	--	50	--	--	50
			--	--	150	350	125	25	--	650

**Tatyasaheb Kore Institute of Engineering and Technology,
Warananagar**

First Year M. Tech. Civil Construction and Management (Semester-II)
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Credit Scheme

Course Code	Category	Course Title	Teaching Scheme				Credit Scheme			
			TH	Tut	P	Total Contact Hours	TH	Tut	P	Total Credit Assigned
CCM-PCC-201	PCC	Construction Contracts and Legal Aspects.	3	1	--	4	3	1	--	4
CCM-PCC-202	PCC	Construction Methods and Techniques.	3	1	--	4	3	1	--	4
CCM-PE-203	PE	Program Elective- IV	3	--	--	3	3	--	--	3
CCM-PE-204	PE	Program Elective- V	3	--	--	3	3	--	--	3
CCM-OEC-205	OEC	Open Elective Course.	3	--	--	3	3	--	--	3
CCM-LC-206	LC	Software Lab.	--	--	4	4	--	--	2	2
CCM-SW-207	SW	Seminar-II	--	--	2	2	--	--	--	1
CCM-208		Comprehensive Viva.	--	--	--	--	--	--	--	--
			15	02	06	23	15	02	02	20

Evaluation Scheme

Course Code	Category	Course Title	Examination Scheme							
			ISE			ESE	TW	O	P	Total
			ISE- I	ISE-II	Avg					
CCM-PCC-201	PCC	Construction Contracts and Legal Aspects.	30	30	30	70	25	--	--	125
CCM-PCC-202	PCC	Construction Methods and Techniques.	30	30	30	70	25	--	--	125
CCM-PE-203	PE	Program Elective- IV	30	30	30	70	--	--	--	100
CCM-PE-204	PE	Program Elective- V	30	30	30	70	--	--	--	100
CCM-OEC-205	OEC	Open Elective Course.	30	30	30	70	--	--	--	100
CCM-LC-206	LC	Software Lab.	--	--	--	--	25	--	--	25
CCM-SW-207	SW	Seminar-II	--	--	--	--	50	--	--	50
CCM-208		Comprehensive Viva.	--	--	--	--	--	25	--	25
			--	--	150	350	125	25	--	650

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First Year M.Tech Civil Construction and Management (Semester - I)			
Sr. No	Program Elective-I	Program Elective-II	Program Elective-III
1	Construction Equipment	Human Resource Development In Construction.	Entrepreneurship In Construction.
2	Construction Safety	Advanced Construction Materials and Building Services.	Advanced Construction Techniques.
3	Construction Disaster Management	Repair and Rehabilitation of Structures.	Value Engineering And Valuation.

First Year M.Tech Civil Construction and Management (Semester - II)			
Sr. No	Program Elective-IV	Sr. No	Open Elective Course
1	Computational Methods and Optimization Techniques	1	Cryogenics
2	Management Information System	2	Computer Aided Design & Drafting
3	Resource Management	3	Waste To Energy.
Sr. No	Program Elective-V	4	Water Power Engineering.
1	Ground Improvement Techniques.	5	Advanced Operating Systems
2	Site Investigation Methods and Practices.	6	Artificial Intelligence
3	Environmental Impact Assessment.	7	Project Management
		8	Operational Research

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Credit Scheme

Course Code	Category	Course Title	Teaching Scheme				Credit Scheme			
			TH	Tut	P	Total Contact Hours	TH	Tut	P	Total Credit Assigned
CCM-MC-301	MC	Research Methodology & Intellectual Property Rights	2	--	--	2	2	--	--	2
CCM-MP/IT-302	MP/IT	Mini Project/Industrial Training.	--	--	4	4	--	--	2	2
CCM-SLC/AC-303	SLC/AC	Massive Open Online Course/e-Learning/Swayam.	--	--	--	--	--	--	--	--
CCM-PC-304	PC	Dissertation Phase-I.	--	--	16	16	--	--	8	8
			02	--	20	22	02	--	10	12

Evaluation Scheme

Course Code	Category	Course Title	Examination Scheme							
			ISE			ESE	TW	O	P	Total
			ISE- I	ISE-II	Avg					
CCM-MC-301	MC	Research Methodology & Intellectual Property Rights	30	30	30	70	--	--	--	100
CCM-MP/IT-302	MP/IT	Mini Project/Industrial Training.	--	--	--	--	50	--	--	50
CCM-SLC/AC-303	SLC/AC	Massive Open Online Course/e-Learning.	--	--	--	--	50	--	--	50
CCM-PC-304	PC	Dissertation Phase-I.	--	--	--	--	50	50	--	100
			--	--	30	70	150	50	--	300

** Candidate who has unable to get passing marks in certification course has to reappear for improvement at institute level test/ MOOC/SWAYAM

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Credit Scheme

Course Code	Category	Course Title	Teaching Scheme				Credit Scheme			
			TH	Tut	P	Total Contact Hours	TH	Tut	P	Total Credit Assigned
CCM-PC-401	PC	Dissertation Phase-II.	--	--	32	32	--	--	16	16
			--	--	32	32	--	--	16	16

Evaluation Scheme

Course Code	Category	Course Title	Examination Scheme							
			ISE			ESE	TW	O	P	Total
			ISE-I	ISE-II	Avg					
CCM-PC-401	PC	Dissertation Phase-II.	--	--	--	--	100	100	--	200
			--	--	--	--	100	100	--	200

List of Abbreviations:-

Abbreviations	Title
PCC	Professional Core Course
PE	Program Elective
OEC	Open Elective Course
ISE	In Semester Examination
ESE	End Semester Examination
TW	Term Work
OE	Oral Exam
LC	Laboratory Course
MC	Mandatory Course
SW	Seminar Work
MP/IT	Mini Project/Industrial Training
PC	Dissertation
SLC/AC	Self Learning Course/Audit course