

	Master of Building Engineering and Management: Course Structure & Examination Scheme													
First Semester														
S.No	Course Category	Subject Code.	Subject	Classes				Credits	Examination Scheme	Marks				
				Lecture Hrs/Wee	Tutorial Hrs/Week	Studio Hrs/Week	Total Hrs/Week			Internal Assessment	External Assessment		* Marks	Total Marks for Grade conversion
1	Core Subject	MBEM1101	Project Planning and Scheduling Studio	2	0	8	10	10	Internal Assessment+ Viva-Voce	200	-	200	400	100
2		MBEM1102	Construction Management, Tools and Techniques	2	1	0	3	3	Internal Assessment + Written Exam	50	50	0	100	100
3		MBEM1103	Quantitative Techniques and Operational Research	2	1	0	3	3	Internal Assessment	100	-	0	100	100
4		MBEM1104	Construction Technology and advanced building Materials	2	1	0	3	3	Internal Assessment + Written Exam	50	50	0	100	100
5		MBEM1105	Advanced Building Services	2	1	0	3	3	Internal Assessment	100	-	0	100	100
6	Institute Elective-1 (Any One)	MBEM1106	Automation and Mechanization in Construction	2	1	0	3	3	Internal Assessment + Written Exam	50	50	0	100	100
		MBEM1107	Risk management	2	1	0	3	3	Internal Assessment + Written Exam	50	50	0	100	100
		MBEM1108	Inter departmental/Inter-Institutional Elective (Online/Physical Mode)	2	1	0	3	3	Internal Assessment + Written Exam	50	50	0	100	100
			TOTAL				25	25		550	150	200		600

Second Semester														
S.No	Course Category	Subject Code.	Subject	Classes				Credits	Examination Scheme	Marks				
				Lecture Hrs/Week	Tutorial Hrs/Week	Studio Hrs/Week	Total Hrs/Week			Internal Assessment	External Assessment		* Marks	Total Marks for Grade conversion
										Written Exam	Jury / Viva-Voce			
1	Core Subject	MBEM1201	Construction Project Cost Planning, Control and Monitoring	2	0	8	10	10	Internal Assessment+ Viva-Voce	200	-	200	400	100
2		MBEM1202	Project Cost Management	2	1	0	3	3	Internal Assessment + Written Exam	50	50	0	100	100
3		MBEM1203	Construction Occupational Health and Safety Administration	2	1	0	3	3	Internal Assessment + Written Exam	50	50	0	100	100
4		MBEM1204	Construction Contracts,Specifications and Legal Issues	2	0	1	3	3	Internal Assessment + Written Exam	50	50	0	100	100
5		MBEM1205	Digital Tools In Construction	2	0	1	3	3	Internal Assessment	100	0	0	100	100
6	Institute Elective-2 (Any One)	MBEM1206	Research Methodology	2	0	1	3	3	Internal Assessment + Written Exam	50	50	0	100	100
		MBEM1207	Construction Quality Assurance and Quality Control	2	0	1	3	3	Internal Assessment + Written Exam	50	50	0	100	100
		MBEM1208	Construction Material Management	2	0	1	3	3	Internal Assessment + Written Exam	50	50	0	100	100
		MBEM1209	Inter departmental/Inter-Institutional Elective (Online/Physical Mode)	2	0	1	3	3	Internal Assessment + Written Exam	50	50	0	100	100
		Note: Compulsory Summer Professional Training/Internship for Eight weeks after second semester, evaluated during III semester.												
			TOTAL				25	25		500	200	200		600

Third Semester														
S.No	Course Category	Subject Code.	Subject	Classes				Credits	Examination Scheme	Marks				
				Lecture Hrs/Week	Tutorial Hrs/Week	Studio Hrs/Week	Total Hrs/Week			Internal Assessment	External Assessment		* Marks	Total Marks for Grade conversion
1	Core Subject	MBEM2101	Construction Contract Procurement Management studio	4	0	6	10	10	Internal Assessment+ Viva-Voce	200	-	200	400	100
2		MBEM2102	Dissertation	2	0	2	4	4	Internal Assessment+ Viva-Voce	100	0	100	200	100
3		MBEM2103	Construction Procurement	2	1	0	3	3	Internal Assessment + Written Exam	50	50	0	100	100
4		MBEM2104	Project Finance Management	2	1	0	3	3	Internal Assessment + Written Exam	50	50	0	100	100
5	Institute Elective-3 (Any One)	MBEM2105	Digital Twin in Built Environment	2	1	0	3	3	Internal Assessment + Written Exam	50	50	0	100	100
		MBEM2106	Building Adaptation & Asset management	2	1	0	3	3	Internal Assessment + Written Exam	50	50	0	100	100
		MBEM2107	Construction Innovation and Entrepreneurship	2	1	0	3	3	Internal Assessment + Written Exam	50	50	0	100	100
		MBEM2108	Inter departmental/Inter-Institutional Elective (Online/Physical Mode)	2	1	0	3	3	Internal Assessment + Written Exam	50	50	0	100	100
6	Industrial Training	MBEM2109	Summer Training/Internship (08 Week after Semester-II)	0	0	0	0	2	Internal Assessment	100	0	0	100	100
			TOTAL				23	25		550	150	300		600

Fourth Semester														
S.No	Course Category	Subject Code.	Subject	Classes				Credits	Examination Scheme	Marks				
				Lecture Hrs/Week	Tutorial Hrs/Week	Studio Hrs/Week	Total Hrs/Week			Internal Assessment	External Assessment		* Marks	Total Marks for Grade conversion
1	Core Subject	MBEM2201	Thesis	2	0	17	19	19	Internal Assessment+ Viva-Voce	600	0	400	1000	100
2		MBEM2202	Project Quality and Human Resource Management	2	1	0	3	3	Internal Assessment + Written Exam	50	50	0	100	100
3	Institute Elective-4 (Any one)	MBEM2203	Environmental Impact Assessment	2	1	0	3	3	Internal Assessment + Written Exam	50	50	0	100	100
		MBEM2204	Lean Construction	2	1	0	3	3	Internal Assessment + Written Exam	50	50	0	100	100
			TOTAL				25	25		700	100	400		300
			TOTAL All Semester				98	100						2100

* Note: The absolute marks awarded as given above will be proportionately converted to a "Total Marks" of 100