



VIVEKANANDA GLOBAL UNIVERSITY, JAIPUR

(Established by Rajasthan State Legislature and covered u/s 2(f) of the UGC Act, 1956)

FACULTY OF ENGINEERING & TECHNOLOGY

SCHEME & SYLLABUS

FOR

Master of Technology (Structural Engineering)

(Implemented from Academic session 2018-19 and also for students admitted to first year in 2017-18)

Sem	I	II	III	IV	Total
Credits	22	19	12	12	65

Total Credits: 65

SESSION: 2018-19

VIT Campus, Sector-36, NRI Road, Sisyawas, Jagatpura, Jaipur (Raj.)-303012
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VIVEKANANDA GLOBAL UNIVERSITY, JAIPUR

TEACHING AND EXAMINATION SCHEME FOR MASTER OF TECHNOLOGY (STRUCTURAL ENGINEERING)

(Implemented from Academic session 2018-19 and also for students admitted to first year in 2017-18)

Semester I

Course	Course Name	Hrs/Week			
		L	T	P	Credits
MBM 204	Research Methodology	3	-	-	3
MSE 102	Advance Structural Analysis	3	1		4
MSE 103	Design of Advance Concrete Structure	3	1		4
MSE 104	Testing, Rehabilitation & Restoration of Structures	3	-		3
MSE 105	Seminar I			8	4
MSE 106	Structure Lab.-I/Case Study-I			8	4
	Total	12	2	16	22

Semester II

Course	Subject Name	Hrs/Week			Credits
		L	T	P	
MSE 201	Mathematics (Numerical Methods)	3	1	-	4
MGT 103	Project Formulation & Appraisal Techniques	3	-	-	3
	Elective I	3	1	-	4
	Elective II	3	1	-	4
MSE 203	Seminar - II			4	2
MSE 204	Structure Lab-II/ Case Study-II			4	2
	Total	12	3	8	19

Elective I

MSE 205 Structural Dynamics
MSE 206 Pre-stressed Concrete Structures
MSE 207 Simulation & Modeling
MSE 208 Plates & Shells

Elective II

MSE 209 Advance Foundation Design
MSE 210 Reliability Based Civil Engineering Design.
MSE 211 Bridge Engineering
MSE 212 Finite Element Method
MSE 213 Tall Buildings

Semester-III

Course Code	Course	Hrs/Week			Credits
		L	T	P	C
MSE 302	Seminar - III	-	-	4	2
MSE 303	Dissertation Part -I	-	-	10	5
MSE 304	Library (Review of Literature for Research)	-	-	10	5
	Total	-	-	24	12

Semester- IV

Code	Course Name	Hrs/Week			Credits
		L	T	P	C
MSE 401	Dissertation Part –II	-	-	24	12
	Total			24	12

Total Credit = 65