



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 (Computer Science & Engineering)

(Implemented from Academic session 2018-19 and also for students admitted in 2015-16, 2016-17 and 2017-18)

Sem	I	II	III	IV	Total
Credits	19	21	14	16	70

Total Credits: (I to IV Semester) = 70

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 M.TECH. (COMPUTER SCIENCE & ENGINEERING)

SEMESTER-I

Course Code	Course type	Course Name	Teaching Scheme			Total Hour	Credit
			L*	T*	P*		
MBA 204	HSM	Research Methodology	3	-	-	3	3
MCS 101	PC	Advance Object Oriented Design	3	1	-	4	3.5
MVL 111	OE	Digital System Design	3	-	-	3	3
MCS*	PE	PROGRAM ELECTIVE COURSES I	3	1	-	4	3.5
MCS 102	ST	Seminar - I (Review of Literature for Research)	-	-	4	4	2
MCS 103	PC	Advance Object Oriented Design Lab	-	-	4	4	2
MCS 104	PC	Advance Database Management System Lab	-	-	4	4	2
		Total	12	2	12	26	19

L*-Lecture*, T*-Tutorial, P*-Practical

PROGRAM ELECTIVE COURSES I:

MCS 106 Advance Database Management System

MCS 107 Web Search & Mining

MCS 108 Cloud Computing

MCS 109 Data Communication

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SEMESTER-II

Course Code	Course Type	Course Name	Teaching Scheme			Total Hour	Credit
			L*	T*	P*		
MGT 103	HSM	Project Formulation and Appraisal	3	-	-	3	3
MCS 201	PC	Cryptography and Network Security	3	1	-	4	3.5
MCS 202	PC	Advance Operating System	3	1	-	4	3.5
MCS 203	PC	Advance Computing	3	-	-	3	3
MCS*	PE	PROGRAM ELECTIVE COURSES II	3	-	-	3	3
MCS*	PE	PROGRAM ELECTIVE COURSES III	3	-	-	3	3
MCS 204	ST	Seminar - II (Review of Literature for Research)	-	-	2	2	1
MCS 205	PC	Advance Operating System Lab	-	-	2	2	1
		Total	18	2	4	24	21

PROGRAM ELECTIVE COURSES II:

MCS 207 Advance Computer Networks

MCS 208 Advance Compiler Design

MCS 209 Advance Image Processing

PROGRAM ELECTIVE COURSES III:

MCS 210 Bio Informatics

MCS 211 Cyber Forensics

MCS 212 Distributed Operating System

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SEMESTER-III

Course code	Course type	Course Name	Teaching Scheme			Total Hour	Credit
			L*	T*	P*		
MCS 301	PR	Dissertation Part-I	-	-	-		8
MCS 302	PC	Industrial Internship	-	-	-		4
MCS 303	ST	Seminar-III	-	-	-		2
		Total	-	-	-	-	14

L*-Lecture*, T*-Tutorial, P*-Practical

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SEMESTER-IV

Course Code	Course Type	Course Name	Teaching Scheme			Total Hour	Credit
			L*	T*	P*		
MCS 401	PR	Dissertation Part-II	-	-	-	-	16
		Total	-	-	-	-	16