





JSPM UNIVERSITY PUNE
Faculty of Science and Technology (FST)
School of Computational Sciences
Course Structure: M. Tech. (Computer Science and Engineering)

Semester – I
Level - 6.5

Sr. No.	Course Type	Course Code	Course Name	Teaching Scheme (Hrs. per week)				Examination and Marking Scheme			Credits
				L	T	P	EL	TH	PR	OR	
01	PSMC	230GMAM02_01	Advanced Numerical Methods	2	1	-	-	100	-	-	3
02	PCC	230GCSM01_01	Design and Analysis of Algorithms	2	-	-	-	100	-	-	2
03	PCC	230GCSM02_01	System Modeling and Design	3				100			3
04	PCC	230GCSM03_01	Soft Computing	2			2	100			2.5
05	MMC	230GRAM24_01	Sensors and Automation	1	-	2	-	-	50	50	2
06	SEC	230GCSM19_01	R Programming	2		2			50	50	3
07	VSC	230IDCB01_01	Design Thinking and Creativity	1	-	-	2	-	-	50	1.5
08	AEC (HSMC)	230UENM01_01	Communicative English for Professionals	1	-	2	-	50	-	-	2
09	RMC	230IRMM01_01	Research Methodology	2	-	-	-	50	-	-	2
10	LC	230GCSM20_01	Design and Analysis of Algorithms Lab	-	-	2	-	-	50	-	1
Total Academic Engagement and Credits				16	1	8		500	150	150	22
				25			4	800			


Dr. R. R. Chakre
 Programme Coordinator
 FST


Dr. R. S. Deshpande
 Dean
 FST


Dr. B. B. Ahuja
 Vice-Chancellor
 JSPM University Pune
 Pune






JSPM UNIVERSITY PUNE
Faculty of Science and Technology (FST)
School of Computational Sciences
Course Structure: M. Tech. (Computer Science and Engineering)

Semester – II
Level – 6.5


Sr. No.	Course Type	Course Code	Course Name	Teaching Scheme (Hrs. per week)				Examination and Marking Scheme			Credits
				L	T	P	EL	TH	PR	OR	
01	PSMC	230GMAM03_02	Probability and Statistics	2	1	-	-	100	-	-	3
02	PCC	230GCSM04_02	Data Mining and Data Warehouse	2	1	-	-	100	-	-	3
03	PCC	230GCSM05_02	Security in Cloud Computing	3	-	-	2	100	-	-	3.5
04	PCC	230GCSM06_02	Data Analytics	2	-	-	-	100	-	-	2
05	MMC	230GETM16_02	IoT Basics and Applications	1	-	2	-	-	50	50	2
06	VSC	230IINB02_02	Innovation	1	-	-	2	-	-	50	1.5
07	AEC (HSMC)	230UENM02_02	Business Communication	1	-	2	-	50	-	-	2
08	RMC	230IRMM02_02	Research Design and Techniques	2	-	-	-	50	-	-	2
09	LC	230GCSM21_02	Data Analytics Lab	-	-	2	-	-	50	-	1
10	IITP/FP /CEP	230GCSM22_02	Internship/ Field Project/ Community Engagement Programme	4 to 6 weeks				-	-	50	2
Total Academic Engagement and Credits				14	2	6	4	500	100	150	22
				22				750			

Note: A Postgraduate Diploma will be awarded if a student exits after first year. For Exit at the end of first year the student must complete: (Total credits = 8)

- a) An internship / OJT of 8 - 10 weeks (4 credits)
- b) Additional Course 1 (4 credits) (Vocational Skill Course (VSC) / Skill Enhancement Course (SEC))


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