



Swaminarayan University

Teaching & Examination Scheme

Course – Faculty of Engineering (ME)

Branch – Computer Engineering

Semester – 1st

Subject Code	Subject Name	Category	L	T	P	Total Credit	E	M	I	V	Total Marks
ME100101	Research Paper Writing	Audit Course	2	0	0	0	50	0	0	0	50
ME100102	Disaster Management		2	0	0	0	50	0	0	0	50
ME100103	Stress Management by Yoga		2	0	0	0	50	0	0	0	50
ME100104	Constitution of India		2	0	0	0	50	0	0	0	50
ME100105	Research Methodology and IPR	MLC	1	0	2	2	0	0	20	80	100
ME103101	Mathematical Foundations of Computer Science	Core I	3	0	2	4	60	40	20	30	150
ME103102	Advance Data Structures	Core II	3	0	2	4	60	40	20	30	150
ME103103	Machine Learning	Program Elective I	3	0	2	4	60	40	20	30	150
ME103104	Wireless Sensor Networks		3	0	2	4	60	40	20	30	150
ME103105	Operating System Design		3	0	2	4	60	40	20	30	150
ME103106	Distributed Systems	Program Elective II	3	0	2	4	60	40	20	30	150
ME103107	Data Science		3	0	2	4	60	40	20	30	150
ME103108	Parallel Programming Tools and Model		3	0	2	4	60	40	20	30	150
	Total		15	0	10	18					

L=Lecture, T=tutorial, P=Practical, E=Theory External, M=Theory Internal, I=Practical Internal, V=Practical External



Swaminarayan University

Teaching & Examination Scheme

Course – Faculty of Engineering (ME)

Branch – Computer Engineering

Semester – 2nd

Subject Code	Subject Name	Category	L	T	P	Total Credit	E	M	I	V	Total Marks
ME100101	Research Paper Writing	Audit Course	2	0	0	0	50	0	0	0	50
ME100102	Disaster Management		2	0	0	0	50	0	0	0	50
ME100103	Stress Management by Yoga		2	0	0	0	50	0	0	0	50
ME100104	Constitution of India		2	0	0	0	50	0	0	0	50
ME100201	Mini Project with Seminar	Core	0	0	4	2	0	0	20	80	100
ME103201	Advance Algorithms	Core III	3	0	2	4	60	40	20	30	150
ME103202	Soft Computing	Core IV	3	0	2	4	60	40	20	30	150
ME103203	Secure Software Design and Enterprise Computing	Program Elective III	3	0	2	4	60	40	20	30	150
ME103204	Computer Vision		3	0	2	4	60	40	20	30	150
ME103205	HPC Architecture and ECO system		3	0	2	4	60	40	20	30	150
ME103206	GPU Computing	Program Elective IV	3	0	2	4	60	40	20	30	150
ME103207	Parallel Algorithms		3	0	2	4	60	40	20	30	150
ME103208	Advanced Machine Learning		3	0	2	4	60	40	20	30	150
	Total		14	0	12	18					

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Semester – 3rd

Subject Code	Subject Name	Category	L	T	P	Total Credit	E	M	I	V	Total Marks
ME100301	Internal Review - 1	Dissertation	0	0	4	2	0	0	100	0	100
ME100302	Dissertation Phase - 1	Dissertation	0	0	16	8	0	0	0	100	100
ME100303	Principles of Operations Research	Open Elective	3	0	0	3	60	40	0	0	100
ME100304	Maintenance Engineering		3	0	0	3	60	40	0	0	100
ME100305	Business Analytics		3	0	0	3	60	40	0	0	100
ME103301	Cloud Computing	Program Elective V	3	0	0	3	60	40	0	0	100
ME103302	Advance Scientific Computing		3	0	0	3	60	40	0	0	100
ME103303	Advance Compiler		3	0	0	3	60	40	0	0	100
	Total		6	0	20	16					

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Teaching & Examination Scheme

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Semester – 4th

Subject Code	Subject Name	Category	L	T	P	Total Credit	E	M	I	V	Total Marks
ME100401	Internal Review - 2	Dissertation	0	0	4	2	0	0	100	0	100
ME100402	Dissertation Phase - 2	Dissertation	0	0	28	14	0	0	0	100	100
	Total		0	0	32	16					

L=Lecture, T=tutorial, P=Practical, E=Theory External, M=Theory Internal, I=Practical Internal, V=Practical External