

M.Tech Software Engineering Courses and Credits Semester wise Distribution

Total Credits:227

Academic Year 2018-2019

Fall Sem 2018-2019 SEM-1

Course	Credits	T	P	C
Introduction to Problem solving using Java	4	2	4	4
Calculus for Engineers	4	3	2	4
Fundamentals of Physics	4	3	2	4
English-I or English-II	3	2	2	3
Engineering Drawing	1	0	2	1
Engineering Clinics	2	0	4	2
Soft Skill Development	1	0	2	1
Total Compulsory Credits	19			

Winter Sem 2018-2019 SEM-2

Course	Credits	T	P	C
Environmental Studies	3	3	0	3
Basic Electrical and Electronics Engineering	4	3	2	4
Data Structures and Its applications	4	3	2	4
English-II or English-III	3	2	2	3
Principles of Software Engineering	4	3	2	4
Engineering Clinics	2	0	4	2
Soft Skill Development	1	0	2	1
Total Compulsory Credits	21			

Course Representation

University Core	
Program Core	
Program Electives	
Humanities Basket	
Management Basket	
Science Basket	
University Electives	

Academic Year 2019-2020

Fall Sem 2019-2020 SEM-3

Course	Credits	T	P	C
Digital Logic and Microprocessors	4	3	2	4
Requirements Engineering and Management	4	3	2	4
Humanities Basket-1	2	2	0	2
Software Design and Architecture	4	3	2	4
Object Oriented Programming Systems	4	3	2	4
Engineering Clinics	2	2	0	2
Soft Skill Development	1	0	2	1
Total Compulsory Credits	21			

Winter Sem 2019-2020 SEM-4

Course	Credits	T	P	C
Data Base Systems	4	3	2	4
Fundamentals of Operating System	4	3	2	4
Discrete Mathematics	3	3	0	3
Science Basket-1	3	3	0	3
Program Elective-1	4	3	2	4
Engineering Clinics	2	0	4	2
Soft Skill Development	1	0	2	1
Total Compulsory Credits	21			

Summer Project-1: 8 Credits

Academic Year 2020-2021

Fall Sem 2020-2021 SEM-5

Course	Credits	T	P	C
Fundamentals of Computer Networks	4	3	2	4
Internet and Web Technologies	4	3	2	4
Applied Linear Algebra	4	3	2	4
Program Elective-2	3	3	0	3
Management Basket-1	2	2	0	2
Soft Skill Development	1	0	2	1
Humanities Basket-2	2	2	0	2
Fundamental Statistics	2	0	4	2
Total Compulsory Credits	22			

Winter Sem 2020-2021 SEM-6

Course	Credits	T	P	C
Information System Security	4	3	2	4
Program Elective-3	4	3	2	4
Program Elective-4	4	3	2	4
Humanities Basket-3	2	2	0	2
Cloud Computing and its applications	4	3	2	4
Soft Skill Development	1	0	2	1
Science Basket-2	3	3	0	3
Co/Extra Curricular	1	0	2	1
Total Compulsory Credits	23			

Summer Project-2: 8 Credits

Academic Year 2021-2022

Fall Sem 2021-2022 SEM-7				
Course	Credits	T	P	C
Software Project Management	4	3	2	4
Concepts of Mobile Application Development	4	3	2	4
Program Elective-5	3	3	0	3
Program Elective-6	4	3	2	4
Soft Skill Development	1	0	2	1
Management Basket-2	2	0	2	2
Ethics and Values	1	0	2	1
University Elective-1	3	3	0	3
Total Compulsory Credits	22			

Winter Sem 2021-2022 SEM-8				
Course	Credits	T	P	C
Storage Technologies	3	3	0	3
Program Elective-7	4	3	2	4
Software Testing	4	3	2	4
University elective -2	3	3	0	3
Soft Skill Development	1	0	2	1
Management Basket-3	2	0	2	2
Humanities Basket-4	3	3	0	3
Program Elective-8	3	3	0	3
Total Compulsory Credits	23			

Academic Year 2022-2023

Fall Sem 2022-2023 SEM-9				
Course	Credits	T	P	C
Program Elective -9	3	3	0	3
Capstone Project	16			
Total Compulsory Credits	19			

Winter Sem 2022-2023 SEM-10	
Course	Credits
Internship	20
Total Compulsory Credits	20