

Course Book (2018 - 2019 Even Semester, January - June 2019)				
Mechanical Engineering				
S2 ME A				
Code	Title	LTP	Cr	ES
15MAT121	Vector Calculus and Ordinary Differential Equations	3 1 0	4	B
15CHY100	Chemistry	3 0 0	3	C
15CSE102	Computer Programming	3 0 0	3	D
15MEC101	Engineering Drawing - CAD II	2 0 2	3	A
15MEC102	Engineering Mechanics	3 0 0	3	E
15CHY181	ChemistryLab	0 0 2	1	L1
15EEE180	Workshop B	0 0 2	1	L2
15CSE180	Computer Programming Lab	0 0 2	1	L3
15CUL111	Cultural Education II	2 0 0	2	F
S2 ME B				
Code	Title	LTP	Cr	ES
15MAT121	Vector Calculus and Ordinary Differential Equations	3 1 0	4	B
15PHY100	Physics	3 0 0	3	C
15CSE102	Computer Programming	3 0 0	3	D
15MEC101	Engineering Drawing - CAD II	2 0 2	3	A
15MEC102	Engineering Mechanics	3 0 0	3	E
15PHY181	PhysicsLab	0 0 2	1	L1
15MEC180	Workshop A	0 0 2	1	L2
15CSE180	Computer Programming Lab	0 0 2	1	L3
15CUL111	Cultural Education II	2 0 0	2	F
S4 ME A				
Code	Title	LTP	Cr	ES
15MEC211	Fluid Mechanics and Machinery	4 0 0	4	A
15MEC212	Kinematics of Machines	3 0 2	4	C
15MEC213	Manufacturing Process I	3 0 0	3	D
15MAT214	Probability and Statistics	2 1 0	3	B
Elective I				
15MEC263	Advanced Materials and Process	3 0 0	3	E
15MEC242	Theory of Elasticity	3 0 0	3	E
15MEC277	Experimental Stress Analysis	3 0 0	3	E
15MEC253	Internal Combustion Engines and Pollution Control	3 0 0	3	E
Humanities Elective II				
15HUM242	The Message of Bhagavad Gita		2	H
15HUM243	The Message of the Upanishads		2	H
15SAN111	Sanskrit II		2	H

15MAL111	Malayalam II		2	H
15CUL230	Achieving excellence in life- an Indian perspective		2	H
15HUM231	Glimpses into the Indian mind - Growth of Modern India		2	H
15CUL233	Yoga Psychology		2	H
15JAP231	Proficiency in Japanese Language(Higher)	1 0 2	2	H
15FRE231	Proficiency in French Language(Higher)	1 0 2	2	H
15GER233	Proficiency in German Language(Higher)	1 0 2	2	H
15ENG232	Insights into Life through English Literature	1 0 2	2	H
15MEC285	Fluid Mechanics and Machines Lab	0 0 2	1	L1
15SSK221	Softskills I	1 0 2	2	G
15AVP211	Amrita Values Programme II	1 0 0	1	F
S4 ME B				
Code	Title	LTP	Cr	ES
15MEC211	Fluid Mechanics and Machinery	4 0 0	4	A
15MEC212	Kinematics of Machines	3 0 2	4	C
15MEC213	Manufacturing Process I	3 0 0	3	D
15MAT214	Probability and Statistics	2 1 0	3	B
Elective I				
15MEC263	Advanced Materials and Process	3 0 0	3	E
15MEC242	Theory of Elasticity	3 0 0	3	E
	Experimental Stress Analysis	3 0 0	3	E
15MEC253	Internal Combustion Engines and Pollution Control	3 0 0	3	E
Humanities Elective II				
15HUM242	The Message of Bhagavad Gita		2	H
15HUM243	The Message of the Upanishads		2	H
15SAN111	Sanskrit II		2	H
15MAL111	Malayalam II		2	H
15CUL230	Achieving excellence in life- an Indian perspective		2	H
15HUM231	Glimpses into the Indian mind - Growth of Modern India		2	H
15CUL233	Yoga Psychology		2	H
15JAP231	Proficiency in Japanese Language(Higher)	1 0 2	2	H
15FRE231	Proficiency in French Language(Higher)	1 0 2	2	H
15GER233	Proficiency in German Language(Higher)	1 0 2	2	H
15ENG232	Insights into Life through English Literature	1 0 2	2	H
15MEC285	Fluid Mechanics and Machines Lab	0 0 2	1	L1
15SSK221	Softskills I	1 0 2	2	G
15AVP211	Amrita Values Programme II	1 0 0	1	F

S6 ME A				
Code	Title	LTP	Cr	ES
15MEC311	Design of Machine Elements II	3 1 0	4	A
15MEC312	Heat Transfer	3 1 0	4	B
15MEC313	Introduction to Finite Element Methods	3 0 2	4	C
15MEC314	Metrology and Measurements	3 0 0	3	D
Elective III				
15MEC267	Composite Materials and Processing	3 0 0	3	E
15MEC234	Design for Manufacture and Assembly	3 0 0	3	E
15MEC269	Micro-manufacturing	3 0 0	3	E
15MEC237	Mechatronics	3 0 0	3	E
15MEC248	Computational Fluid Dynamics	3 0 0	3	E
15PHY240	Electronic Material Sciences	3 0 0	3	E
		3 0 0	3	E
15MEC385	Heat Transfer and Thermal Analysis Lab.	0 0 2	1	L1
15MEC386	Metrology and Measurements Lab.	0 0 2	1	L2
15SSK331	Soft Skills III	1 0 2	2	G
S6 ME B				
Code	Title	LTP	Cr	ES
15MEC311	Design of Machine Elements II	3 1 0	4	A
15MEC312	Heat Transfer	3 1 0	4	B
15MEC313	Introduction to Finite Element Methods	3 0 2	4	C
15MEC314	Metrology and Measurements	3 0 0	3	D
Elective III				
15MEC267	Composite Materials and Processing	3 0 0	3	E
15MEC234	Design for Manufacture and Assembly	3 0 0	3	E
15MEC269	Micro-manufacturing	3 0 0	3	E
15MEC237	Mechatronics	3 0 0	3	E
15MEC248	Computational Fluid Dynamics	3 0 0	3	E
15PHY240	Electronic Material Sciences	3 0 0	3	E
15MEC385	Heat Transfer and Thermal Analysis Lab.	0 0 2	1	L1
15MEC386	Metrology and Measurements Lab.	0 0 2	1	L2
15SSK331	Soft Skills III	1 0 2	2	G
S8 ME A				
Code	Title	LTP	Cr	ES
15MEC411	Operations Research	3 0 0	3	A
Elective V				
15MEC341	Total Quality Management	3 0 0	3	E
15MEC336	Managerial Statistics	3 0 0	3	E
15MEC334	Industrial Engineering	3 0 0	3	E
15MEC499	Project Phase II		10	P

S8 ME B				
Code	Title	LTP	Cr	ES
15MEC411	Operations Research	3 0 0	3	A
Elective V			3	E
15MEC341	Total Quality Management	3 0 0	3	E
15MEC336	Managerial Statistics	3 0 0	3	E
15MEC334	Industrial Engineering	3 0 0	3	E
15MEC499	Project Phase II		10	P