Master of Mechanical Engineering (MEPG) Design

Prog	Spliz Code	Group	Sem	Course Code	Course Title	L	T	P	Credits	FM
MEPG	DSGN		1		**Semester I**					
MEPG	DSGN	Core	1	ME721	Advanced Mechanical Engineering Design	3	0	0	3	100
MEPG	DSGN	Core	1	ME722	Advanced Mechanics of Solids	3	0	0	3	100
MEPG	DSGN	EL-1	1	MEXXX	Elective – I	3	0	0	3	100
MEPG	DSGN	EL-2	1	MEXXX	Elective – II	3	0	0	3	100
MEPG	DSGN	EL-3	1	MEXXX	Elective – III	3	0	0	3	100
MEPG	DSGN	Lab	1	ME688	Impact Mechanics Lab/ Advance MOS Lab	0	0	6	4	100
MEPG	DSGN		1		**Total Semester Credits**	**12**	**0**	**6**	**19**	**500**
MEPG	DSGN									
MEPG	DSGN		2		**Semester II**					
MEPG	DSGN	Core	2	ME723	Computer graphics for Mechanical Design	3	0	0	3	100
MEPG	DSGN	EL-4	2	MEXXX	Elective – IV	3	0	0	3	100
MEPG	DSGN	EL-5	2	MEXXX	Elective – V	3	0	0	3	100
MEPG	DSGN	EL-6	2	MEXXX	Elective – VI	3	0	0	3	100
MEPG	DSGN	EL-7	2	MEXXX	Elective – VII	3	0	0	3	100
MEPG	DSGN	Lab	2	ME689	Advance MOS Lab - II	0	0	6	4	100
MEPG	DSGN	Lab	2	ME694	Seminar	0	0	3	2	100
MEPG	DSGN		2		**Total Semester Credit**	**12**	**0**	**9**	**21**	**600**
MEPG	DSGN									
MEPG	DSGN		3		**Semester III**					
MEPG	DSGN	Lab	3	ME695	Seminar and Comprehensive Viva - I	0	0	3	2	100
MEPG	DSGN	Lab	3	ME697	Dissertation (to be continued in 4th Sem)	0	0	12	8	100
MEPG	DSGN		3		**Total Semester Credit**	**0**	**0**	**15**	**10**	**200**
MEPG	DSGN									
MEPG	DSGN		4		**Semester IV**					
MEPG	DSGN	Lab	4	ME696	Seminar and Comprehensive Viva - II	0	0	3	2	100
MEPG	DSGN	Lab	4	ME698	Dissertation	0	0	15	10	100
MEPG	DSGN		4		**Total Semester Credit**	**0**	**0**	**18**	**12**	**200**
MEPG	DSGN		4		**Cumulative Total Credit**				**62**	**1500**
MEPG	DSGN				**List of Electives**					
MEPG	DSGN	EL-1	1	MA601	Mathematical Methods of Engineering	3	0	0	3	100
MEPG	DSGN	EL-1	1	ME724	Advanced Materials and Processing	3	0	0	3	100
MEPG	DSGN	EL-2	1	ME637	Advances in Engineering Optimization	3	0	0	3	100
MEPG	DSGN	EL-2	1	ME726	Mechanical Behaviour of Materials	3	0	0	3	100
MEPG	DSGN	EL-3	1	ME728	Pressure Vessel and Piping Design	3	0	0	3	100
MEPG	DSGN	EL-3	1	ME613	Finite Element Analysis	3	0	0	3	100
MEPG	DSGN	EL-4	2	ME733	Reverse Engineering and Rapid Prototyping	3	0	0	3	100
MEPG	DSGN	EL-4	2	ME734	Mechanics of Composite Materials	3	0	0	3	100
MEPG	DSGN	EL-5	2	ME735	Robotics	3	0	0	3	100
MEPG	DSGN	EL-5	2	ME736	Instrumentation and Automatic Control Systems	3	0	0	3	100
MEPG	DSGN	EL-5	2	ME737	Product Life Cycle Management	3	0	0	3	100

MEPG	DSGN	EL-6	2	ME729	Fracture Mechanics	3	0	0	3	100
MEPG	DSGN	EL-6	2	ME730	Micro Electro Mechanical Systems	3	0	0	3	100
MEPG	DSGN	EL-7	2	ME731	Non-linear dynamics and Chaos	3	0	0	3	100
MEPG	DSGN	EL-7	2	ME727	Advanced Theory of Vibrations	3	0	0	3	100