Department of Mechanical Engineering Program Outcomes-Course Matrix					Program Outcomes							
Code	Course name	T	P	ECTS	1	2	3	4	5	6	7	8
1. Year - 1.Semester												
EEM8001	Advanced Engineering Mathematics *	3	0	8	5	1	1	3	1	3	3	5
MAK8003	Numerical Methods in Engineering	3	0	8	5	1	1	3	1	3	3	5
FBE8001	Scientific Research Technics and Publication Ethics	3	0	8	4	4	4	1	1	4	1	1
MAK6001	Special Topics	5	0	2	5	5	4	4	4	4	3	4
MAK6003	Thesis Research (Thesis Proposal)	0	1	2	5	5	4	4	4	4	3	4
MAK6005	Thesis Research	0	1	30	5	5	4	4	4	4	3	4
MAK6007	Seminar *	0	2	6	1	1	5	1	1	1	1	1
MAK6101	Non-Ferrous Metals	3	0	8	5	4	4	4	4	4	4	4
MAK6103	Advanced System Dynamics	3	0	8	5	4	3	4	4	4	3	4
MAK6105	Nuclear Heat Transfer	3	0	8	4	1	1	2	1	1	1	4
MAK6107	Vehicle Emissions and Control Techniques	3	0	8	5	3	1	3	3	1	3	3
MAK6109	Experimental Methods in Fluid Mechanics and Heat Transfer	3	0	8	4	1	1	4	1	1	1	1
MAK6111	Composite Materials	3	0	8	5	4	4	4	4	4	4	4
MAK6113	Advanced Mechanical Vibrations	3	0	8	5	4	3	4	4	4	3	4
MAK6115	Heat Conduction	3	0	8	4	1	1	4	1	1	4	4
MAK6117	Industrial Automation Systems and Practices	3	0	8	4	2	4	3	1	3	5	3
MAK6121	Finite Elements in Solid Body Mechanism	3	0	8	5	1	1	3	1	3	3	5
MAK6123	Fracture Mechanism of Machine Elements	3	0	8	5	3	3	5	4	1	1	5
MAK6125	Energy Conversion Technologies	3	0	8	1	1	1	4	3	1	3	4
MAK6129	Plasticity Theory	3	0	8	5	4	3	5	4	4	3	4
MAK6131	Numerical Methods in Fluid Dynamics and Heat Transfer	3	0	8	4	1	1	1	1	1	3	1
MAK6133	Elasticity Theory	3	0	8	5	4	3	5	4	4	3	4
MAK5135	Design and Optimization of Thermal Systems	3	0	8	1	1	1	4	3	1	3	4
MAK6137	Advanced Casting Technologies	3	0	8	5	1	1	2	4	1	1	3

MAK6141	Advanced Fluid Mechanics	3	0	8	4	1	1	1	1	1	3	1
MAK6143	Thermodynamic Design and Analysis-I	3	0	8	4	1	1	4	1	1	4	4
MAK6145	Experimental Uncertainty and Error Analysis	3	0	8	5	3	3	5	4	1	1	5

1. Year - 2. Semester

MAK8002	Energy Cost in Power Plants	3	0	8	1	1	1	4	3	1	3	4
MAK8004	Computer Aided Fluid Mechanics	3	0	8	1	1	1	1	1	1	5	4
MAK6002	Special Topics	5	0	2	5	5	4	4	4	4	3	4
MAK6004	Thesis Research (Thesis Proposal)	0	1	2	5	5	4	4	4	4	3	4
MAK6006	Thesis Research	0	1	30	5	5	4	4	4	4	3	4
MAK6008	Seminar *	0	2	6	1	1	5	1	1	1	1	1
MAK6102	Thermodynamic Analysis of Nuclear Power Plants	3	0	8	4	1	1	2	1	2	1	4
MAK6104	Advanced Vehicle Dynamics	3	0	8	5	4	3	4	4	4	3	4
MAK6106	Industrial Measurement Methods	3	0	8	5	4	4	4	5	4	3	5
MAK6108	Hydrogen and Fuel Cell Systems-II	3	0	8	4	3	3	3	1	3	1	4
MAK6110	Energy Methods in Mechanics	3	0	8	5	4	3	5	4	4	3	4
MAK6112	Advanced Sheet Forming Methods	3	0	8	4	1	1	4	1	1	4	4
MAK6114	Corrosion and Protection Methods	3	0	8	5	4	4	4	4	4	4	4
MAK6116	Advanced Mechanism Theory	3	0	8	5	4	3	4	4	4	3	4
MAK6120	Advanced Welding Techniques	3	0	8	5	4	4	4	4	4	4	4
MAK6122	Advanced Engineering Mathematics	3	0	8	5	1	1	3	1	3	3	5
MAK6126	Industrial Hydraulics	3	0	8	4	2	2	2	1	3	1	4
MAK6128	Solar Energy Applications	3	0	8	4	2	2	2	1	3	1	4
MAK6130	Thermodynamic Design and Analysis-II	3	0	8	4	1	1	4	1	1	4	4
MAK6132	Aerodynamic	3	0	8	4	1	1	4	1	1	1	1
MAK6136	Advanced Solid Mechanics	3	0	8	5	4	3	5	4	4	3	4
MAK6138	Shape Memory Alloys and Applications	3	0	8	5	4	4	4	4	4	4	4
MAK6140	Mass Transfer	3	0	8	5	4	1	4	2	1	1	5
MAK6142	Biomechanical Systems	3	0	8	5	4	1	4	2	1	1	5