

Scheme of Teaching and Examination
PhD Coursework in Mechanical Engineering Department(01PhD04)

S No	Subject Code	Name of Subject	Credit				Examination Scheme		Total Marks [100]
			L	T	P	C	PRE [50]	ESE [50]	Min [55]
							Min [25]	Min [25]	
1	PCW 101	Research Methodology	3	0	0	3	50	50	100
2	PCW 102	Research & Publication Ethics	1	0	1	2	50	50	100
3	SOE-PhD-ME101	Departmental Subject 1	3	0	0	3	50	50	100
4	SOE-PhD-ME102	Departmental Subject 2	3	0	0	3	50	50	100
5	SOE-PhD-ME103	Seminar & Report Writing	0	0	6	3	50	50	100
Total			10	0	7	14	250	250	500

Department Subject-1

SN	Board of Study	Subject Code	Name of Subject
1	Mechanical	SOE-PhD-ME101(1)	Applied Ergonomics
2	Mechanical	SOE-PhD-ME101(2)	Advanced Heat & Mass Transfer
3	Mechanical	SOE-PhD-ME101(3)	Engineering Fracture Mechanics
4	Mechanical	SOE-PhD-ME101(4)	Advanced Engineering Thermodynamics
5	Mechanical	SOE-PhD-ME101(5)	Robotics
6	Mechanical	SOE-PhD-ME101(6)	Advances in welding and Joining Technology
7	Mechanical	SOE-PhD-ME101(7)	Plant Maintenance and Safety

Department Subject-2

SN	Board of Study	Subject Code	Name of Subject
1	Mechanical	SOE-PhD-ME102(1)	Modelling and Simulation of Dynamic Systems
2	Mechanical	SOE-PhD-ME102(2)	Advanced Refrigeration and Air Conditioning
3	Mechanical	SOE-PhD-ME102(3)	Analysis and Modeling of Welding
4	Mechanical	SOE-PhD-ME102(4)	Energy Management & Audit
4	Mechanical	SOE-PhD-ME102(5)	Solar Energy Utilization

L: Lecture **T:** Tutorial **P:** Practical **ESE:** End Semester Examination **T. A:** Teacher's Assessment.