

North Maharashtra University, Jalgaon

STRUCTURE OF TEACHING AND EVALUATION									
B.E. Instrumentation									
FIRST TERM									
Sr.No.	Subject	Teaching Scheme Hours/Week			Examination Scheme				
		Lecture	Tutorial	Practical	Paper Duration Hours	Paper	TW	PR	OR
1	Process Instrumentation	4	--	2	3	100	25	25	--
2	Biomedical Instrumentation	4	--	2	3	100	25	--	--
3	Process Planning Estimation & Economics	4	--	1	3	100	25	--	--
4	Elective - I	4	--	2	3	100	25	--	--
5	Digital Signal Processing	4	--	2	3	100	25	25	--
6	Project	--	--	2	--	--	25	--	25
7	Seminar	--	--	2	--	--	25	--	--
	Total	20	--	13	--	500	175	50	25
	Grand Total	33				750			

SECOND TERM									
Sr.No.	Subject	Teaching Scheme Hours/Week			Examination Scheme				
		Lecture	Tutorial	Practical	Paper Duration Hours	Paper	TW	PR	OR
1	Distributed Control System	4	--	2	3	100	25	25	--
2	Computer Networking	4	--	2	3	100	25	--	--
3	Instrumentation System Design	4	--	2	3	100	25	25	--
4	Elective - II	4	--	2	3	100	25	--	--
5	Project	--	--	4	--	--	100	--	50
6	Industrial Visit	--	--	--	--	--	25	--	--
7	Entrepreneurship Development Skills	1	1	--	--	--	25	--	--
	Total	17	1	12	--	400	250	50	50
	Grand Total	30				750			

Elective - I

1. Modeling & Simulation
2. Adaptive & Optimal Control
3. Artificial Instrumentation
4. Environmental Instrumentation
5. Virtual Instrumentation

Elective - II

1. Image Processing
2. Neural & Fuzzy Logic Control
3. Robotics & Automation
4. Instrumentation in Agriculture, Food & Pharmaceutical Industry
5. Embedded System Design

Class-B.E. Instrumentation

Year, Course & semester	Subjects	Load Pattern per week			No. of batches	Theory	Pract.	Tutorial	Total work load
		Theory	Pract.	Tutorial					
	Process Instrumentation								
	Biomedical Instrumentation								
	Process Planning Estimation & Economics								
	Elective-I								
	Digital Signal Processing								