



C. U. SHAH UNIVERSITY, Wadhwan City

Name of Program : B. Tech.

Name of Branch : Instrumentation & Control Engineering

Semester : VIII

W.E.F. – June 2016

Scheme- A

Sr. No	Branch Code	Subject Code	Subject Name	Teaching Hours/Week				Credits	Evaluation Scheme/Semester								
				Th	Tu	Pr	Total		Theory				Practical				Total Marks
									Sessional Exam		University Exam		Internal		University		
									Marks	Hours	Marks	Hours	Pr	TW	Pr		
1	08	4TE08CSA1	Control System Architecture	4	0	2	6	5	30	1.5	70	3	--	20	30	150	
2		4TE08MCN1	Motion Control	4	0	2	6	5	30	1.5	70	3	--	20	30	150	
3		4TE08XXX1	Elective-II*	4	0	2	6	5	30	1.5	70	3	--	20	30	150	
4		4TE08PRJ2	Project-II	0	0	12	12	6	--	--	--	--	--	50	200	250	
			Continuous Assessment	0	0	0	0	4	--	--	--	--	--	100	--	100	
TOTAL				12	0	18	30	25	90		210			210	290	800	

***Elective-II:**

Subject Code	Subject Name
4TE08FLC1	Fuzzy Logic Control
4TE08INT1	Instrumentation for Nanotechnology
4TE08PPI1	Power Plant Instrumentation

Th- Theory, Tu-Tutorial/Seminar/Field Work, Pr-Practical, TW-Term Work

Note: - Theory----- 1 hr = 1 Credit,

Tutorial/Practical-----2 hr = 1 Credit.



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Scheme- B

Sr. No	Branch Code	Subject Code	Subject Name	Teaching Hours/Week				Credits	Evaluation Scheme/Semester								
				Th	Tu	Pr	Total		Theory				Practical				Total Marks
									Sessional Exam		University Exam		Internal		University		
				Marks	Hours	Marks	Hours		Pr	TW	Pr						
1	08	4TE08MPF1	Major Project with Field Work	0	0	30	30	15	--	--	--	--	--	200	400	600	
			Continuous Assessment	0	0	0	0	10	--	--	--	--	--	200	---	200	
TOTAL				0	0	30	30	25	--	--	--	--	--	400	400	800	

DESCRIPTION:

The subject area of the full semester project should be related to the current or future status of Instrumentation & Control Engineering in general and to Hardware-Cum-Software applications in particular. The scope, extent and the academic/laboratory/application content will be commensurate with a full semester (Minimum 14 weeks). Major components of the Project will include identifying the system, deciding the aims and objectives to be achieved, modules to be studied, analysis, innovations/ research, laboratory/application studies. Evaluation will be done in terms of results achieved.

Th- Theory, Tu-Tutorial/Seminar/Field Work, Pr-Practical, TW-Term Work

Note: - Theory----- 1 hr = 1 Credit,

Tutorial/Practical-----2 hr = 1 Credit.