



**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.