

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**DEGREE IN INSTRUMENTATION AND CONTROL ENGINEERING**  
**PROPOSED TEACHING SCHEME**  
**Semester - VII**

SUBJECT CODE	SUBJECT	TEACHING SCHEME(HOURS)			
		THEORY	TUTORIAL	PRACTICAL	CREDITS
171701	Control System Design	4	0	2	6
171702	Programmable Automation Controller	4	0	2	6
171703	Industrial Data Communication	4	0	0	4
171704	Digital Signals & Systems	4	0	0	4
	Department Elective - I	4	0	2	6
170001	Project-I	0	0	4	4
	<b>Total</b>	<b>20</b>	<b>0</b>	<b>10</b>	<b>30</b>

**DEPARTMENT ELECTIVE - I**

SUBJECT CODE	DEPARTMENT ELECTIVE - I
171705	Instrumentation for Bio Medical Application
171706	Instrumentation for Nano technology