

**Autonomous Programme Structure of
Second Year B.Tech. Instrumentation and Control Engineering**

Academic Year : 2017-2018

S.Y B.Tech. Instrumentation and Control Semester-I										
Course Code	Course Title	Teaching Scheme Hours / Week			Examination Scheme				Marks	Credit
		Lecture	Tutorial	Practical	In Semester	End Semester	Oral	Practical		
IN2101	Sensors and Transducers I	3	1	0	50	50	0	0	100	4
IN2102	Basic Instrumentation	3	0	0	25	50	0	0	75	3
IN2103	Linear Integrated Circuits	3	1	0	50	50	0	0	100	4
IN2104	Digital Techniques	3	1	0	50	50	0	0	100	4
BSIN2101	Engineering Mathematics-III	3	1	0	50	50	0	0	100	4
IN2105	Programming Practice	0	0	2	25	0	0	0	25	1
IN2106	Sensors and Transducers I lab	0	0	2	0	0	0	25	25	1
IN2107	Basic Instrumentation lab	0	0	2	25	0	0	0	25	1
IN2108	Linear Integrated Circuits lab	0	0	2	0	0	0	25	25	1
IN2109	Digital Techniques lab	0	0	2	0	0	0	25	25	1
	Total	15	4	10	275	250	0	75	600	24
	Grand Total	29			600				600	24

S.Y B.Tech. Instrumentation and Control Semester-II										
Course Code	Course Title	Teaching Scheme			Examination Scheme				Marks	Credit
		Hours/Week			In semester	End semester	Oral	Practical		
		Lecture	Tutorial	Practical						
IN2201	Sensors and Transducers II	3	1	0	50	50	0	0	100	4
IN2202	Electronic Instrumentation & System Design	3	1	0	50	50	0	0	100	4
IN2203	Analytical Instrumentation	3	0	0	25	50	0	0	75	3
IN2204	Control Systems I	3	1	0	50	50	0	0	100	4
HS2201	Principles of Economics and Finance	3	0	0	50	50	0	0	100	3
IN2205	Sensors and Transducers II lab	0	0	2	0	0	0	25	25	1
IN2206	Electronic Instrumentation & System Design lab	0	0	2	0	0	0	25	25	1
IN2208	Analytical Instrumentation	0	0	2	25	0	0	0	25	1
IN2209	*Lab Practice I	0	0	2	25	0	0	0	25	1
AC2201	Self-Expression	0	0	2	0	0	0	0	0	No Credits
Total		15	3	10	275	250	0	50	575	22
Grand Total		28			575				575	22

***IN2209 – Lab Practice I: Assignments / Practicals based on Circuit Theory and Applied Biology should be conducted.**

AC 2201 -- Audit Course : Self Expression

- 1. Art & Craft**
- 2. Basic Photography**
- 3. Contemporary Dance**
- 4. Film Appreciation**
- 5. English Communication**
- 6. Theatre**