

**Autonomous Program Structure
Third Year B. Tech. Sixth Semester
(Instrumentation and Control)
Academic Year: 2018-2019 Onwards**

Course Code	Course Title	Teaching Scheme			Examination Scheme				Marks	Credit
		Hours/Week								
		Lecture	Tutorial	Practical	In Sem	End Sem	Oral	Practical		
IN3201	Process Loop Components	3	0	0	50	50	0	0	100	3
IN3202	Digital Signal Processing	3	1	0	50	50	0	0	100	4
IN3203	Unit Operations	3	1	0	50	50	0	0	100	4
PEIN3201	Programme Elective II	3	0	0	50	50	0	0	100	3
PEIN3202	Programme Elective III	3	0	0	50	50	0	0	100	3
IN3204	Process Loop Components lab	0	0	2	0	0	0	25	25	1
IN3205	Digital Signal Processing lab	0	0	2	0	0	0	25	25	1
PEIN3203	Programme Elective III lab	0	0	2	0	0	25	0	25	1
IN3206	Seminar on Mini Project	0	0	4	25	0	0	25	50	2
AC3201	Audit Course	0	0	2	0	0	0	0	0	0
Total		15	2	12	275	250	25	75	625	22
Grand Total		29			625				625	22

PEIN 3201: Programme Elective II	PEIN 3202: Programme Elective III
	PEIN 3202: Programme Elective III Lab
1. Environmental Instrumentation	1. Embedded Product Design
2. Reliability Engineering	2. Advanced Biomedical Instrumentation
3. MEMS	3. Computer Organization
4. Internet of Things (IoT)	4. Robotics
5. Swayam Online Course	

AC 3201: Audit Course: Employability Skills Development

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