

**Autonomous Program Structure (Modified) of
Third Year B. Tech. Instrumentation and Control Engineering
AY: 2019-2020**

T.Y B.Tech. Instrumentation and Control Semester-I										
Course Code	Course Title	Teaching Scheme			Examination Scheme				Marks	Credit
		Hours/Week			In Sem	End Sem	Oral	Practical		
		Lecture	Tutorial	Practical						
IN 3101	Embedded System Design	3	1	0	50	50	0	0	100	4
IN 3102	Control Systems-II	3	1	0	50	50	0	0	100	4
IN 3103	Control System Components	3	0	0	50	50	0	0	100	3
OEHS 3101	Open Elective- I	3	0	0	50	50	0	0	100	3
PEIN 3101	Programme Elective- I	3	0	0	50	50	0	0	100	3
IN 3104	Embedded System Design Lab	0	0	2	0	0	0	25	25	1
IN 3105	Control Systems-II Lab	0	0	2	0	0	0	25	25	1
IN 3106	Control System Components Lab	0	0	2	25	0	0	0	25	1
PEIN 3102	Programme Elective-I Lab	0	0	2	0	0	25	0	25	1
IN 3107	Lab Practice-II	0	0	2	25	0	0	0	25	1
AC 3101	Audit Course	0	0	2	0	0	0	0	0	0
Total		15	2	12	300	250	25	50	625	22
Grand Total		29			625				625	22

OEHS 3101: Open Elective-I

1. Entrepreneurship Development
2. Introduction to Digital Marketing
3. Intellectual Property Rights
4. Project Management

PEIN 3101: Programme Elective-I

PEIN 3102: Programme Elective-I Laboratory

1. Optoelectronic Instrumentation
2. Fundamentals of Biomedical Instrumentation
3. Power Electronics and Drives
4. Mechatronics

AC 3101: Audit Course: Employability Skills Development



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