

C-26 Electronics and Instrumentation Engineering template

Ist Year			III semester			IV Semester			V Semester			VI Semester	
Sub_Code	Sub_Name	Credits	Sub_Code	Sub_Name	Credits	Sub_Code	Sub_Name	Credits	Sub_Code	Sub_Name	Credits	Sub_Code	Sub_Name
HU-101	English	2	SC-301	Advanced Engineering Mathamatics	3	EC-401	Microcontrollers	3	ME-501	Techno Entrepreneurship & Startups	3	601	Industrial Training (20 credits)
SC-102	Engineering Mathematics	3	EC-302	Digital Electronics	3	EI-402	Principles of communication and Linear Integrated Circuits and Applications	3	EI-502	Calibration and Testing of Instruments	3		
SC-103	Engineering Physics	3	EC-303	Electronics Devices and Circuits	3	EI-403	Analytical & Biomedical Instrumentation	3	EI-503	Industrial Automation	3		
SC-104	Engineering Chemistry	3	EI-304	Sensors &Transducers	3	EI-404	Process Control	3	EC-504A / EI-504B	Internet of Things / Distributed Control System	3		
EC-105	Basic Electronics	3	CS-305	Fundamentals of AI/ML	3	EI-405	Electrical Circuits & Motors	3	EI-505A / ME-505B	Instrumentation in Process Industries / Systems Engineering	3		
EC-106	Fundamentals of Computer Programming	3	EC-306	Digital Electronics Lab	2	EC-406	Microcontrollers Programming Lab	2	EI-506	Virtual Instrumentation Lab	2		
ME-107	Engineering Drawing with CAD	2	EC-307	Electronics Devices and Circuits Lab	2	EC-407	Linear Integrated Circuits Lab	2	EC-507	Internet of Things Lab	2		
EC-108	Basic Electronics Lab	2	EI-308	Sensors &Transducers Lab	2	EI-408	Process Control Lab	2	EI-508	Industrial Automation Lab	2		
SC-109	Science Lab	2	CS-309	Fundamentals of AI/ML Lab	2	EI-409	Analytical & Biomedical Instrumentation Lab	2	ME-509	Innovation & Design Thinking Lab	2		
EC-110	C & Python programming lab	2	HU-310	Communication Skills and Life Skills Lab	2	EC-410	Digital Fabrication Lab	2	EI-510	Project Work	2		
I YEAR		25	III semester		25	IV Semester		25	V Semester		25	VI Semester	20
TOTAL CREDITS											120		

