

C26-CURRICULUM

PROGRAMME: DIPLOMA IN EMBEDDED SYSTEMS ENGINEERING

I YEAR			III SEM			IV SEM			V SEM			VI SEM	
Subject_Code	Subject Name	Credits	Subject_Code	Subject Name	Credits	Subject_Code	Subject Name	Credits	Subject_Code	Subject Name	Credits	Subject Name	Credits
HU-101	English	2	SC-301	Advanced Engineering Mathematics	3	ES-401	8051 Microcontroller & Interfacing	3	ME-501	Techno-Entrepreneurship and Startups	3	ES-601 Industrial Training	20
SC-102	Engineering Mathematics	3	EC-302	Digital Electronics	3	EC-402	Linear Integrated Circuits & Applications	3	ES-502	Advanced Microcontrollers	3		
SC-103	Engineering Physics	3	ES-303	Advanced Communication Systems	3	ES-403	Embedded C	3	ES-503	Embedded Real-Time Operating Systems	3		
SC-104	Engineering Chemistry	3	ES-304	Network Analysis	3	EC-404	Data Communications and Computer Networks	3	EC-504A/ ES-504B	Internet of Things/Digital Circuit Design using Verilog HDL	3		
ES-105	Semiconductor Devices and Circuits	3	CS-305	Fundamentals of AI and ML	3	ES-405	Embedded System Design & Applications	3	ES-505A/ ME-505B	Cloud Computing and Big Data/System Engineering	3		
EC-106	Fundamentals of Computer Programming	3	EC-306	Digital Electronics Lab	2	ES-406	Microcontroller programming & Interfacing Lab	2	EC-506	DCD Using Verilog HDL Lab	2		
ME-107	Engineering Drawing with CAD	2	ES-307	Advanced Communication Systems Lab	2	EC-407	Linear Integrated Circuits Lab	2	ES-507	Advanced Microcontrollers Programming Lab	2		
ES-108	Semiconductor Devices and Circuits Lab	2	ES-308	Network Analysis and Simulation Lab	2	ES-408	Embedded C Lab	2	ES-508	Embedded Real-Time Operating Systems Lab	2		
SC-109	Science Lab	2	CS-309	Fundamentals of AI and ML Lab	2	EC-409	Networking Lab	2	ME-509	Innovation & Design Thinking Lab	2		
EC-110	C and Python Programming Lab	2	HU-310	Communication Skills and Life Skills Lab	2	ES-410	PCB Design & Hardware Debugging Lab	2	ES-510	Project Work	2		
		25			25			25			25		20