

DIPLOMA IN SEMICONDUCTOR TECHNOLOGY(SCT:C-26)

I year			3 SEM			4 SEM			5 SEM			6 SEM		
Subject Code	SubjectName	CREDITS	Subject Code	SubjectName	CREDITS	Subject Code	SubjectName	CREDITS	Subject Code	SubjectName	CREDITS	Subject Code	Subject Name	CREDITS
HU-101	English	2	SC-301	Applied Engineering Mathematics	3	EC-401	Microcontrollers	3	ME-501	Techno Entrepreneurship & Startups	3	SCT-601	Industrial Training	20
SC-102	Engineering Mathematics	3	EC-302	Digital Electronics	3	EC-402	Linear Integrated Circuits & Applications	3	SCT-502	Semiconductor Testing and Packaging	3			
SC-103	Engineering Physics	3	EC-303	Electronic Devices and Circuits	3	EC-403	Networks and Signals	3	SCT-503	Semiconductor Technology Equipment maintenance	3			
SC-104	Engineering Chemistry	3	EC-304	Analog and Digital Communication	3	SCT-404	Semiconductor Fabrication	3	EC-504A	Internet of Things	3			
									SCT-504B	Data Communication and Computer Networking				
EC-105	Basic Electronics	3	CS-305	Fundamentals of AI&ML	3	SCT-405	Clean Room Technology & Safety protocols	3	SCT-505A	Digital Circuits Design using Verilog HDL	3			
									SCT-505B	Sensors and Actuators				
EC-106	Fundamentals Of Computer programming	3	EC-306	Digital Electronics Lab	2	EC-406	Microcontroller Programming Lab	2	EC-506	DCD using Verilog HDL Lab	2			
ME-107	Engineering Drawing with CAD	2	EC-307	Electronic Devices and Circuits Lab	2	EC-407	Linear Integrated Circuits & Applications Lab	2	EC-507	Internet of Things Lab	2			
EC-108	Basic Electronics Lab	2	EC-308	Communication systems Lab	2	EC-408	Circuit Design and Simulation Lab	2	SCT-508	Networking Lab	2			
SC-109	Science Lab	2	CS-309	Fundamentals of AI&ML LAB	2	SCT-409	MAT 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	SCT-410	Digital Fabrication Lab	2	SCT-510	Project Work	2			
25			25			25			25					

