

SRI SIDDHARTHA INSTITUTE OF TECHNOLOGY- TUMAKURU-572105
(A constituent College of Siddhartha Academy of Higher Education, Deemed-to-be-University)
Scheme of Teaching and Examination (88 Credits, 2024-SCHEME)
FIRST YEAR MTECH (DIGITAL ELECTRONICS), ACADEMIC YEAR 2024-25
1st SEMESTER MTech

SI No	Course Code		Course Title	Teaching Dept.	L	T	P	Credits	CIE Marks	SEE Marks	Total Marks	Exam Hrs.
1	PC	24DEL11	Digital Circuits and Logic Design	ECE	4	-	-	4	50	50	100	3
2	PC	24DEL12	VLSI Design	ECE	4	-	-	4	50	50	100	3
3	PC	24DEL13	Advanced Embedded System Design	ECE	4	-	-	4	50	50	100	3
4	PC	24DEL14	Research Methodology & IPR	ECE	3	-	-	3	50	50	100	3
5	PE	24DEL15x	Professional Elective-I	ECE	3	-	-	3	50	50	100	3
6	PE	24DEL16x	Professional Elective-II	ECE	3	-	-	3	50	50	100	3
7	PC	24DELTS1	Technical Seminar-I	ECE	-	-	3	1.5	50	-	50	-
8	PC	24DELLB1	Embedded System Lab	ECE	-	-	3	1.5	50	-	50	-
L: Lecture, T-Tutorial, P-Practical/Drawing, CIE: Continuous Internal Evaluation, SEE: Semester End Examination				Total	21	-	6	24	400	300	700	-

Professional Elective-I		Professional Elective-II	
Course Code	Course Title	Course Code	Course Title
24DEL151	Advanced Digital Signal processing	24DEL161	Synthesis and Optimization of Digital Circuits
24DEL152	Reliability Engineering	24DEL162	Optical Communication and Networking
24DEL153	Nano Electronics	24DEL163	Adhoc and Wireless Sensor Networks
24DEL154	Advanced Communication System	24DEL164	Data Compression

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SECOND YEAR MTECH (DIGITAL ELECTRONICS), ACADEMIC YEAR 2024-25

3rd SEMESTER M.Tech

Sl No	Course Code		Course Title	Teaching Dept.	L	T	P	Credits	CIE Marks	SEE Marks	Total Marks	Exam Hrs.
1	PC	24DELIS1	Internship	ECE	-	-	-	9	100	-	100	-
2	PC	24DENE1	Online Course: NPTEL/MOOC/SWAYAM					3	50	50	100	
3	PC	24DELPW1	Project Phase-I	ECE	-	-	-	08	50	-	50	-
L: Lecture, T-Tutorial, P-Practical/Drawing, CIE: Continuous Internal Evaluation, SEE: Semester End Examination				Total	-	-	-	20	150	-	150	-

4th SEMESTER M.Tech

SI No	Course Code		Course Title	Teaching Dept.	L	T	P	Credits	CIE Marks	SEE Marks	Total Marks	Exam Hrs
1	PC	24DELPW 2	Professional Work Phase- II	ECE	-	-	-	20	100	200	300	-
2 Paper Publications is compulsory (Conference/Journal)												
L: Lecture, T-Tutorial, P-Practical/Drawing, CIE: Continuous Internal Evaluation, SEE: Semester End Examination				Total	-	-	-	20	100	200	300	-
Credits Distribution: 1 st Sem=24, 2 nd Sem =24, 3 rd Sem=20, 4 th Sem=20, Total Credits=24+24+20+20=88 Credits												