



SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY

Approved By AICTE, New Delhi & Affiliated to JNTUK, Kakinada

Accredited by NAAC, NBA(CSE, ECE & ME)

AN AUTONOMOUS INSTITUTE



Department of Electronics and Communication Engineering

R25 M. Tech. ECE- Board of Studies Members MoM

Date: 02-09-2025

The R25 BOS meeting is conducted on 02-09-2025 to finalize the IM.Tech Sem-I and Sem-II for ECE Department of Sri Vasavi Institute of Engineering and Technology (Autonomous) Nandamuru, Pedana Mandal, Krishna(d.t), A.P.

Our college strictly follows the JNTUK Suggested Syllabus and approved by all our BOS Members

NAME	Designation	Address
Dr.B.T.Krishna	Professor	Dept. of ECE JNTUK
Dr. T.Sreenivasulu Reddy	Professor	Dept. of ECE, SVUCE
Dr.CH.V.Ramarao	Associate Professor	Dept. of ECE, NIT Warangal
Mr.K.Arun	Associate Engineer	Qualcomm,Hyd
Mr. Bhavani Shankar Surabhi	Executive Manager, R&D Head – IOT	Efftronics Systems Pvt Ltd., APICIP Park, Mangalagiri

Dr.B.T.Krishna
Professor
Dept. of ECE JNTUK

HOD & Chairman, BOS



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R25 M. Tech. ECE- Board of Studies Members



The following BOS Members have attended the R25 2nd BOS meeting of I M.Tech Sem-I and Sem-II for ECE held on 02-09-2025 in the Electronics and Communication Engineering Department of Sri Vasavi Institute of Engineering and Technology (Autonomous) Nandamuru, Pedana Mandal.

S.NO	NAME	Designation	Address	Contact Number	Remarks	Signature
1.	Dr. A.Chandra Suresh	Professor & HoD	Dept. of ECE, SVIET	9246622259, hod.ece@sviet.edu.in	Chairman	
2.	Dr.B.T.Krishna	Professor	Dept. of ECE JNTUK	9848992922, tkhattula@intucek.ac.in	JNTUK Nominee	
3.	Dr. T.Sreenivasulu Reddy	Professor	Dept. of ECE, SVUCE	9440415699, tsr_ece@svuce.edu.in	Subject Expert	
4.	Dr.CH.V.Ramarao	Associate Professor	Dept. of ECE, NIT Warangal	9402187886, chvramarao@nitw.ac.in	Subject Expert	
5.	Mr.K.Arjun	Associate Engineer	Qualcomm,Hyd	9705827912, Orun200004@gmail.com	Alumni Representative	
6.	Mr. Bhavani Shankar Surabhi	Executive Manager, R&D Head – IOT	Efftronics Systems Pvt Ltd., APICP Park, Mangalagiri	93951155608, 08645-666777 sbshankar@efftronics.com	Industry Representative	
7.	Mr. D.Sridhar	Associate Professor	Dept. of ECE, SVIET	9398822837, sridhard@sviet.edu.in	Member	
8.	Mr. N.Nagaraju	Assistant Professor	Dept. of ECE, SVIET	9642399321, dsp.nagarajunalluri@gmail.com	Member	
9.	Mrs.J.Siva Deepika	Assistant Professor	Dept. of ECE, SVIET	9959325165, deepika.602@gmail.com	Member	
10.	Mrs.P.Jyothi	Assistant Professor	Dept. of ECE, SVIET	9705211094, jvokishsaisiri@gmail.com	Member	
11.	Mr.J.J.Swaroop	Assistant Professor	Dept. of ECE, SVIET	8328247108, Swaroop.jalluri@gmail.com	Member	
12.	Mr.Y.R.K. Paramahansa	Assistant Professor	Dept. of ECE, SVIET	9440346687, ylrkph@gmail.com	Member.	
13.	K.Sowmyasri	Assistant Professor	Dept. of ECE, SVIET	9010921945, srisowmya.lucky@gmail.com	Member	

HOD & Chairman, BOS

Principal



R25M. Tech. ECE- Board of Studies Members

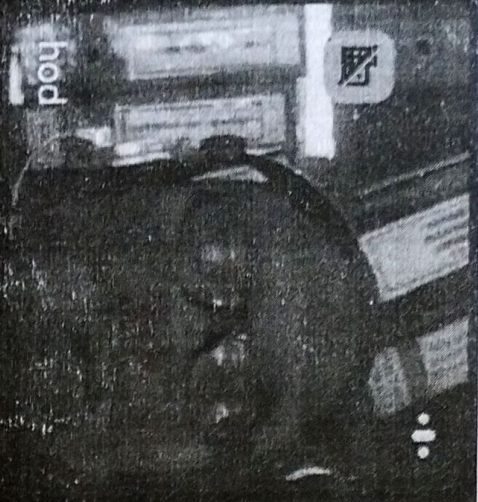
Date:30-8-2025

We are pleased to informed you that the Department of Electronics and Communication Engineering of Sri Vasavi Institute of Engineering and Technology (Autonomous), is going to conduct R25 2nd Board of studies(BOS) meeting to finalize course structure and syllabus for I M.Tech sem-I and sem-II of ECE on 02-09-2025 by online mode from 11:00AM onwards. All the members are request to attend BOS meeting.

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1.	Dr. A.Chandra Suresh	Professor & HoD	Dept. of ECE, SVIET	9246622259, hod_ece@sviet.edu.in	Chairman	
2.	Dr.B.T.Krishna	Professor	Dept. of ECE JNTUK	9848992922, tkattula@intucek.ac.in	JNTUK Nominee	
3.	Dr. T.Sreenivasulu Reddy	Professor	Dept. of ECE, SVUCE	9440415699, tst_ece@svuce.edu.in	Subject Expert	
4.	Dr.CH.V.Ramarao	Associate Professor	Dept. of ECE, NIT Warangal	9402187886, chvramarao@nitw.ac.in	Subject Expert	
5.	Mr.K.Arun	Associate Engineer	Qualcomm, Hyd	9705827912 Orun200004@gmail.com	Alumni Representative	
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7.	Mr. D.Sridhar	Associate Professor	Dept. of ECE, SVIET	9398822837, sridhard@sviet.edu.in	Member	
8.	Mr. N.Nagaraju	Assistant Professor	Dept. of ECE, SVIET	9642399321 dsp.nagarajunalluri@gmail.com	Member	
9.	Mrs.J.Siva Deepika	Assistant Professor	Dept. of ECE, SVIET	9959325165 deepika.602@gmail.com	Member	
10.	Mrs.P Jyothi	Assistant Professor	Dept. of ECE, SVIET	9705211094 lvokishsaisiri@gmail.com	Member	
11.	Mr.J.J.Swaroop	Assistant Professor	Dept. of ECE, SVIET	8328247108 Swaroop.jalluri@gmail.com	Member	
12.	Mr. Y.R.K. Paramahansa	Assistant Professor	Dept. of ECE, SVIET	9440346687, ylrkph@gmail.com	Member	
13.	K.Sowmyasri	Assistant Professor	Dept. of ECE, SVIET	9010921945 srisowmya.lucky@gmail.com	Member	

HOD & Chairman, BOS

Principal



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Dr. Ch. V. Rama



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Programme Structure R25 MTech (VLSI System Design,)

I-Semester

S. No.	Course Code	Course Title	L	T	P	C
1	PC	Digital CMOS Circuit Design	3	1	0	4
2	PC	Analog CMOS Circuit Design	3	1	0	4
3	PC	MoS Device Physics	3	1	0	4
4	PE-I	Program Elective-I	3	0	0	3
5	PE-II	Program Elective-II	3	0	0	3
6		Digital CMOS Circuit Design Lab	0	1	2	2
7		Analog CMOS Circuit Design Lab	0	1	2	2
8		Seminar-I	0	0	2	1
		TOTAL	15	5	6	23

List of Professional Elective Courses in I Semester (Electives-I&II)

S.No.	Course Code	Course Title
1	PE-I	VLSI Technology
2	PE-I	Nano Scale Devices
3	PE-I	MOS Devices Modeling and Characterization
4	PE-I	Digital System Design through HDL
5	PE-II	VLSI Architectures
6	PE-II	Power Management IC Design
7	PE-II	Low Power Design Techniques
8	PE-II	CAD for VLSI

@Minimum 2/3 themesper elective



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Programme Structure R25 MTech (VLSI System Design) R25 M.Tech

II –Semester

S.No.	Course Code	Course Title	L	T	P	C
1	PC	CMOS Mixed Signal Circuit Design	3	1	0	4
2	PC	Physical Design Verification	3	1	0	4
3	PC	VLSI Testing & Testability	3	1	0	4
4	PE-III	Program Elective–III	3	0	0	3
5	PE-IV	Program Elective-IV	3	0	0	3
6		CMOS Mixed Signal Circuit Design Lab	0	1	2	2
7		Physical Design Verification Lab	0	1	2	2
8		Seminar–II	0	0	2	1
		TOTAL	15	5	6	23

List of Professional Elective Courses in II Semester (Electives III& IV)

S. No.	Course Code	Course Title
1	PE-III	VLSI signal processing
2	PE-III	MEMS & NEMS
3	PE-III	SoC design
4	PE-III	Fundamentals of Semiconductor Package Manufacturing and Test
5	PE-IV	Advanced VLSI Interconnects
6	PE-IV	Quantum Computing
7	PE-IV	RFIC Design
8	PE-IV	NANOELECTRONICS

@Minimum2/3themesperelective



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R-25 Syllabus for M. Tech, SVIET(A) w.e.f 2025-26

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Programme Structure R25 MTech (VLSI System Design)

III SEMESTER

S.No.	Course Code	Course Title	L	T	P	C
1	PC	Research Methodology and IPR / Swayam 12 week MOOC course – RM&IPR	3	0	0	3
2		Summer Internship/ Industrial Training (8-10 weeks)*	-	-	-	3
3		Comprehensive Viva#	-	-	-	2
4		Dissertation Part–A\$	-	-	20	10
		TOTAL	3	-	20	18

* Student attended during summer / year break and assessment will be done in 3rdSem.#

Comprehensive viva can be conducted courses completed upto second sem.

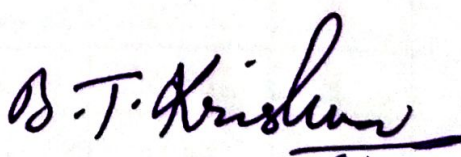
\$Dissertation–Part-A, internal assessment

IV SEMESTER

S.No.	Course Code	Course Title	L	T	P	C
1		Dissertation Part–B%	-	-	32	16
		TOTAL	-	-	32	16

%External Assessment


HOD & Chairman, BOS


Dr. B.T. Krishna
Professor
Dept. of ECE JNTUK