



**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**

**Date: 19 September 2023**

**Board of Studies Meeting Notice - Circular**

All the Board of Studies members of ECE Department are informed to attend an online meeting Via Goto meeting platform on **20 September 2023** at 02:00pm.

**Link:**

**BOS MEETING ECE**

**Sep 20, 2023, 2:00 – 10:00 PM (Asia/Calcutta)**

Please join my meeting from your computer, tablet or smart phone.

<https://meet.goto.com/416223221>

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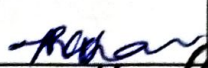
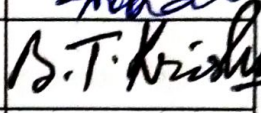

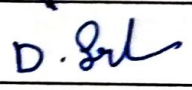
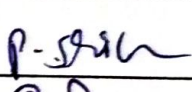


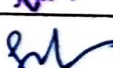


**Agenda**

1. To discuss and approval of syllabus of I M.Tech I&II semesters of R23 (Autonomous) Regulation.
2. Any other relevant subject at the time of meeting.

  
**Chairman**  
**Board of Studies**  
**Dept of ECE**

**To: All Board of Studies Members of the ECE-Department**  
**List Enclosed**

**Members:**

S.No.	Name & Designation	Position in BoS	Signature
1.	Mr.Y R K Paramahamsa HoD- ECE	Chairman	
2.	Dr.B T Krishna Professor & HoD, Dept. of ECE JNTUK	University Nominee External BoS member	
3.	Dr. T Sreenivasulu Reddy Professor, Dept. of ECE, SVUCE	Subject Expert External BoS member	
4.	Dr.CH V Ramarao Associate Professor, Dept. of ECE, NIT Warangal	Subject Expert External BoS member	
5.	Mr. Bhavani Shankar Surabhi Executive Manager, R&D Head – IOT, Efftronics Systems Pvt Ltd., APICIP Park, Mangalagiri	Industry Representative External BoS member	
6.	Mr.K Arun Associate Engineer, Qualcomm, Hyd	Alumni	
7.	Dr.N Vijaya Ratnam Associate Professor	Internal member	
8.	Mr. D Sridhar Associate Professor	Internal member	
9.	Mr.P Srikanth Assistant Professor	Internal member	
10.	Mr. M Suneel Assistant Professor	Internal member	
11.	Mr. C Pakkiraiah Assistant Professor	Internal member	
12.	Mr.M Shivaji Assistant Professor	Internal member	
13.	Mr. N Nagaraju, Assistant Professor	Internal member	
14.	Mrs.P Jyothi Assistant Professor	Internal member	



**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Date: 20 September 2023**

**MINUTES OF MEETING**

The first Board of Studies meeting of the Department of Electronics and Communication Engineering was held online on 20 September 2023 at 2:00 PM Via Goto meeting platform to discuss and approval of syllabus of I M.Tech I&II semesters of R23 (Autonomous) Regulation.

At the onset of the meeting, the chairman of BoS Mr.Y R K Paramahamsa welcomed all the members to 1<sup>st</sup> meeting of BoS, introduced internal BoS members to external BoS members and placed the Agenda for the deliberations of members. He then presented the syllabus of I M.Tech I & II semesters.

**1. Discuss and approval of syllabus:**


- The meeting began by considering the proposed R23 course structure as the initial agenda point based on the priority.
- The external BoS members expressed their satisfaction towards the content of each subject.
- After due deliberations, the external BoS committee unanimously accepted the syllabus.

**RESOLUTIONS:**

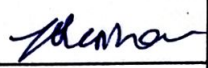
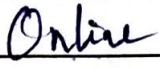



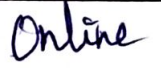

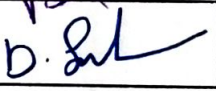
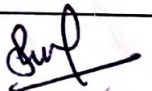




**Agenda1:** To discuss and approval of syllabus of I M.Tech I&II semesters of R23 (Autonomous) Regulation.


**Resolutions:** Based on the suggestions given by the BoS experts, the proposed syllabus for I & II semesters are finalized.

Syllabus Enclosed

  
**Chairman**  
Board of Studies  
Dept of ECE

**The following Staff members were present:**

S.No.	Name & Designation	Position in BoS	Signature
1.	Mr.Y R K Paramahamsa HoD ECE	Chairman	
2.	Dr.B T Krishna Professor & HoD, Dept. of ECE JNTUK	University Nominee External BoS member	
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6.	Mr.K.Arun Associate Engineer, Qualcomm, Hyd	Alumni	
7.	Dr.N.Vijaya Ratnam Associate Professor	Internal member	
8.	Mr. D.Sridhar Associate Professor	Internal member	
9.	Mr.P.Srikanth Assistant Professor	Internal member	
10.	Mr. M.Suneel Assistant Professor	Internal member	
11.	Mr. C.Pakkiraiah Assistant Professor	Internal member	
12.	Mr.M.Shivaji Assistant Professor	Internal member	
13.	Mr. N.Nagaraju, Assistant Professor	Internal member	
14.	Mrs.P.Jyothi Assistant Professor	Internal member	

  
Chairman  
Board of Studies  
Dept of ECE



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R-23 Syllabus for VLSI SD, SVIET(A) w.e.f 2023-24

I Semester								
S.No	Course No	Course Name	Subject Codes	Category	L	T	P	Credits
1	PC	CMOS Analog IC Design	M23EC11		3	0	0	3
2	PC	CMOS Digital IC design	M23EC12		3	0	0	3
3	PE	1. VLSI Technology 2. Nanomaterials and Nanotechnology 3. MEMS Technology	M23EC13A M23EC13B M23EC13C		3	0	0	3
4	PE	1. Device Modeling 2. Nano-electronics 3. Photonics	M23EC14A M23EC14B M23EC14C		3	0	0	3
5		Research methodology and IPR	M23EC15		2	0	0	2
6	Lab 1	CMOS Analog IC Design Lab	M23EC16		0	0	4	2
7	Lab 2	CMOS Digital IC Design Lab	M23EC17		0	0	4	2
8	Aud 1	Audit course-1	M23EC18		2	0	0	0
Total								18

II Semester								
S.No	Course No	Course Name	Subject Codes	Category	L	T	P	Credits
1	PC	Mixed Signal & RF IC Design	M23EC21		3	0	0	3
2	PC	Physical Design Automation	M23EC22		3	0	0	3
3	PE	1. Design For Testability 2. IOT & its Applications 3. VLSI Signal Processing	M23EC23A M23EC23B M23EC23C		3	0	0	3
4	PE	1. Network Security & Cryptography 2. Microcontrollers & programmable Digital Signal Processors 3. Low Power VLSI Design	M23EC24A M23EC24B M23EC24C		3	0	0	3
5	Lab 1	Mixed Signal IC Design Lab	M23EC25		0	0	4	2
6	Lab 2	Physical Design Automation Lab	M23EC26		0	0	4	2
7	.MP	Mini Project	M23EC27		0	0	4	2
8	Aud 2	Audit Course - 2	M23EC28		2	0	0	0
Total								18

\*Students be encouraged to go to Industrial Training/Internship for at least 2-3 weeks during semester break.

B.T. Krishna

Handwritten signature



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R-23 Syllabus for VLSI SD, SVIET(A) w.e.f 2023-24

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III Semester*								
S.No	Course No	Course Name	Subject Codes	Category	L	T	P	Credits
1	PE	1. Scripting Languages for VLSI 2. Digital System Design & Verification 3. Hardware Software co-design	M23EC31A M23EC31B  M23EC31C		3	0	0	3
2	OE	1. Business Analytics 2. Industrial Safety 3. Operations Research 4. Cost Management of Engineering Projects 5. Composite Materials 6. Waste to Energy	M23EC32A M23EC32B M23EC32C  M23EC32D M23EC32E M23EC32F		3	0	0	3
3	Dissertation	Dissertation Phase-I/Industrial Project (to be continued and evaluated next semester)	M23EC33		0	0	20	10 <sup>#</sup>
Total								16

\*Evaluated and Displayed in IV Semester Marks list.

\*Students going for Industrial Project/Thesis will complete these courses through MOOCs

IV Semester								
S.No	Course No	Course Name	Subject Codes	Category	L	T	P	Credits
1	Dissertation	Project/ Dissertation Phase-II (continued from III semester)	M23EC41		0	0	32	16
Total								16

### Audit Course 1& 2

1. English for Research Paper Writing
2. Disaster Management
3. Sanskrit for Technical Knowledge
4. Value Education
5. Constitution of India
6. Pedagogy Studies
7. Stress Management by Yoga
8. Personality Development through Life Enlightenment Skills

*B.T. Krishna*

*Metha*