



SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE
(An Autonomous Institution)
Puducherry



Sixth BoS Meeting

July 21, 2023 (Friday)

Seminar Hall,

Department of Electronics and Communication Engineering

- **M.Tech – Electronics and Communication Engineering**
- **M.Tech – VLSI and Embedded Systems**
- **Ph.D – Electronics and Communication Engineering**

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SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE

(An Autonomous Institution)

Puducherry - 605 107

*6th PG - Board of Studies Meeting in the department of
Electronics and Communication Engineering*

for the Programme

M.Tech – Electronics and Communication Engineering

M.Tech – VLSI and Embedded Systems

Ph.D – Electronics and Communication Engineering

Venue

Seminar Hall, Department of ECE
Sri Manakula Vinayagar Engineering College
Madagadipet, Puducherry – 605 107

Date & Time

21-07-2023 & 11.30 am

BOARD OF STUDIES MEETING

The Sixth Board of Studies meeting for PG and Research programs was held on July 21, 2023 at 11:30 AM in the Seminar Hall, Department of ECE, Sri Manakula Vinayagar Engineering College.

BoS Members

Sl. No	Name of the Member	Designation
1	Dr. P. Raja Professor and Head, Department of ECE	Chairman
2	Dr. Gerardine Immaculate Mary Professor, Department of Embedded Systems, Vellore Institute of Technology (VIT), Vellore, Tamil Nadu, India	Expert Member (University Nominee)
3	Dr. N. Venkateswaran Professor, Department of ECE, SSN - College of Engineering, Kalavakkam, Tamil Nadu, India	Expert Member (Academic Council Nominee)
4	Dr. V. R. Vijayakumar Associate Professor & Head, Department of ECE, Anna University, Regional Campus, Coimbatore	Expert Member (Academic Council Nominee)
5	Mr. C. Gnanavel General Manager, Production and Technology, Lenovo India Ltd., Puducherry	Industry Member
6	Dr. V. Bharathi , Professor / ECE Specialization: Wireless Communication	Member

7	Dr. R. Ramya , Professor/ ECE Specialization: ECE	Member
8	Dr. R. Kurinjimalar , Professor / ECE Specialization: Mobile Satellite Communication	Member
9	Dr. J. Pradeep , Associate Professor / ECE Specialization: Image Processing	Member
10	Prof. R. Ilaiyaraja , Assistant Professor / ECE Specialization: VLSI Design	Member
11	Dr. T. Gayathri , Professor Specialization: Mathematics	Member
12	Prof. K. Oudayakumar , Associate Professor Specialization: Physics	Member
13	Dr. S. Savithri , Professor Specialization: Chemistry	Member
14	Dr.D. Jaichithra , Associate Professor Specialization: English	Member
15	Mr. G. Dharanidharan Birlasoft Limited, Old Mahabalipuram Road, Chennai – 600096	Alumni Member

AGENDA OF THE MEETING

BoS /2023/PG/ECE 6.1

To review and confirm the minutes of fifth BoS meeting held on 17th September 2023

BoS /2023/PG/ECE 6.2

To discuss and approve Regulations 2023 (R-2023) for the M.Tech., Programmes for the students admitted from the academic year 2023-24

- M.Tech – Electronics and Communication Engineering
- M.Tech – VLSI and Embedded Systems

BoS /2023/PG/ECE 6.3

To discuss and approve curriculum structure and Syllabi for Semester I and II for M.Tech Electronics and Communication Engineering Programme under the Regulations R-2023

BoS /2023/PG/ECE 6.4

To discuss and approve curriculum structure and Syllabi for Semester I and II for M.Tech VLSI and Embedded Systems Programme under the Regulations R-2023

BoS /2023/PG/ECE 6.5

To appraise and approve the professional electives and employability enhancement courses chosen by the students under Regulations 2020

BoS /2023/PG/ECE 6.6

To discuss about the Internship course for PG programmes from the Academic Year 2021-22 onwards

BoS /2023/PG/ECE 6.7

To appraise and approve the list of eligible students called for personal interview for PhD programme in Electronics and Communication Engineering

BoS /2023/PG/ECE 6.8

Any other item with the permission of chair

MINUTES OF THE MEETING

Dr. P. Raja, Chairman of the Board of Studies (BoS), opened the Sixth BoS meeting for the M.Tech., and Research programs. He then proceeded to discuss the agenda items.

BoS / 2023 / PG/ ECE 6.1

To review and confirm the fifth BoS meeting minutes held on 17th September 2022

The fifth Board of Studies (BoS) meeting for M.Tech. in Electronics and Communication Engineering and M.Tech. in VLSI and Embedded Systems under Regulations 2020 was held on September 17, 2022. The minutes of the meeting were reviewed and confirmed.

Approved and Confirmed

BoS / 2023 / PG/ ECE 6.2

To discuss and approve Regulations 2023 (R-2023) for the M.Tech., Programmes for the students admitted from the academic year 2023-24

- M.Tech – Electronics and Communication Engineering
- M.Tech – VLSI and Embedded Systems

Members discussed the Regulations 2023 (R-2023) for the following M.Tech.. programs for students admitted from the academic year 2023-2024:

- M.Tech. in Electronics and Communication Engineering
- M.Tech. in VLSI and Embedded Systems

Approved and Recommended to the Academic Council

BoS / 2023 / PG/ ECE 6.3

To discuss and approve curriculum structure and Syllabi for Semester I and II for M.Tech., Electronics and Communication Engineering Programme under the Regulations R-2023

- In semester I, a High-Speed Electronics theory course has been introduced, with the suggestion from members to update the course content based on modern electronic devices.
- Semester II brought the introduction of a course on “Embedded Processors”, with members proposing the inclusion of recent high-speed embedded processors in the syllabus.
- Additionally, members have recommended changing the course title of "Millimeter Wave Communication Networks" to "High-Frequency Communication System" in Semester II, with a syllabus containing 3 units of Millimeter wave communication and 2 units of optical communication.
- Members have expressed their appreciation for the Employability Enhancement Courses and Audit Courses offered in both semesters I and II under Regulations 2023.
- Members have discussed the professional elective course offered in both semesters I and II, as per Regulation 2023.

Approved with minor corrections and Recommended to the Academic Council

All the suggestions are considered and updated in the respective courses. The details are given in

Annexure – I (A): Curriculum of M. Tech – Electronics and Communication Engineering
Annexure–I (B): Updated Syllabus M. Tech – Electronics and Communication Engineering

BoS / 2023 / PG/ ECE 6.4**To discuss and approve curriculum structure and Syllabi for Semester I and II for M.Tech VLSI and Embedded Systems Programme under the Regulations R-2023**

- Members have suggested changing the course title to “Electronic Design Automation Tools” instead of “Digital System Design” course to provide an advanced level of learning in semester-I. They also suggested including recent automation tools in the syllabus to get more exposure at the industry level.
- The members suggested replacing the embedded networking course with the “Embedded Processors” course in semester 2 to provide knowledge on developing IoT models by utilizing these processors.
- The members appreciated the Employability Enhancement Courses and Audit Courses offered in Regulations 2023.
- Members have discussed the professional elective course offered in semesters 1 and 2 as per Regulation 2023.

**Approved with minor corrections and
Recommended to the Academic Council**

All the suggestions are considered and updated in the respective courses. The details are given in

Annexure – II (A): Curriculum of M. Tech – VLSI and Embedded Systems
Annexure–II (B): Updated Syllabus M. Tech – VLSI and Embedded Systems

BoS / 2023 / PG/ ECE 6.5**To appraise and approve the professional electives and employability enhancement courses chosen by the students under Regulations 2020****List of professional elective courses by the students from M.Tech - VLSI & ES**

Semester	Course Code	Course Title
II	P20VEE210	Internet of Things
II	P20VEE212	Industrial Automation using PLC and SCADA

Noted and Approved

BoS / 2023 / PG/ ECE 6.6**To ratify the Internship course for PG programmes from the Academic Year 2021-22 onwards**

The students from the M.Tech - ECE programme have completed the Internship

Enroll No.	Register No	Name of the Student	Company Name	Duration
211727	21PEC001	Divyadharshini P	Qmax Systems India Pvt. Ltd	1 months
210703	21PEC003	Nithya Valli.P	Qmax Systems India Pvt. Ltd	1 months

The students from the M.Tech- VLSI programme have completed the Internship

Enroll No.	Register No	Name of the Student	Company Name	Duration
210962	21PVE001	Balaji M	Idea Lab, SMVEC	1 months
210864	21PVE002	Nigithadharshini S	Qmax Systems India Pvt. Ltd	1 months
210797	21PVE003	Priyadharshni R	Idea Lab, SMVEC	1 months
211072	21PVE004	Sivaram Kumar R	Idea Lab, SMVEC	1 months
211062	21PVE005	Sivaraman S	Idea Lab, SMVEC	1 months

- Members esteemed the progress of the PG Internship.

Noted and Approved

BoS / 2023 / PG/ ECE 6.7

To appraise and approve the list of eligible students called for personal interview for PhD programme in Electronics and Communication Engineering

During the academic year 2022-2023, the Ph.D admission process was discussed by a member. In total, 70 candidates applied for the Ph.D programme, with 11 submitting applications specifically for Electronics and Communication Engineering. Out of those 11 candidates, 7 successfully passed the entrance examination and have been invited for a personal interview

List of eligible candidates called for personal interview

S. No	Name of the Candidate
1	D. Mary Getsy
2	R. Gayathri
3	J. Suganya
4	P. Srividhya
5	B. Menaga
6	V. M. Navaneetha Krishnan
7	V. Logisvary

Approved and Recommended

BoS / 2023 / PG/ ECE 6.8

Any other item with the permission of chair

The syllabus is well-structured and covers advanced future technology topics. Additionally, the members encourage research scholars to publish their papers in reputable journals.

Dr. P. Raja, Chairman – BoS and Head of Department, Electronics and Communication Engineering, concluded the meeting at 12.30 pm with vote of thanks.

Dr. P. RAJA
Board Chairman - ECE

Gerardine

Dr. GERARDINE IMMACULATE MARY
Professor, Department of Embedded Systems,
Vellore Institute of Technology (VIT), Vellore
(Expert Member - University Nominee)

N. Venkateswaran

Dr. N. VENKATESWARAN
Professor, Department of ECE,
SSN College of Engineering, Kalavakkam
(Expert Member – AC Nominee)

V. R. Vijayakumar

Dr. V. R. VIJAYAKUMAR
Associate Professor & Head, Department of ECE,
Anna University, Regional Campus, Coimbatore
(Expert Member – AC Nominee)

C. Gnanavel

Mr. C. GNANAVEL
Manager, Production and Technology,
Lenovo India Ltd., Puducherry
(Industry. Member)

G. Dharanidharan

Mr. DHARANIDHARAN. G
Associated Functional Consultant,
Birlasoft Limited, Chennai
(Alumni Member)

R. Ramya

Dr. R. RAMYA
Professor/ ECE
(Member)

V. Bharathi

Dr. V. BHARATHI
Professor / ECE
(Member)

R. Kurinjimalar

Dr. R. KURINJIMALAR
Associate Professor / ECE
(Member)

J. Pradeep

Dr. J. PRADEEP
Associate Professor / ECE
(Member)

R. Ilaiyaraaja

Prof. R. ILAIYARAJA,
Assistant Professor / ECE
(Member)

T. Gayathri

Dr.T.GAYATHRI
Professor / Mathematics
(Member)

K. Oudayakumar

Prof. K. OUDAYAKUMAR
Associate Professor / Physics
(Member)

S. Savithri

Dr.S.SAVITHIRI
Professor / Chemistry
(Member)

D. Jaichithra

Dr. D. JAICHITHRA
Professor / English
(Member)