



# **SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE**

(An Autonomous Institution)

**Puducherry – 605 107**

*7<sup>th</sup> - Board of Studies Meeting  
in the Department of  
Computer and Communication Engineering*

for the Programme  
**B.Tech – Computer and Communication Engineering**

*Venue*

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

*Date & Time*

**28.02.2024 & 11.00 am**

## **MINUTES OF BOARD OF STUDIES**

The seventh Board of Studies meeting for B.Tech. Computer and Communication Engineering was held on 28<sup>th</sup> February 2024 at 11.00 A.M in the Seminar Hall, Department of CCE, Sri Manakula Vinayagar Engineering College with the Head of the Department in the Chair.

The following members were present for the BoS meeting

<b>Sl.No</b>	<b>Name of the Member with Designation and official Address</b>	<b>Responsibility in the BoS</b>
1	<b>Dr. V.Bharathi</b> Professor and Head, Department of CCE	Chairman
2	<b>Dr.P.Varalakshmi</b> Professor Department of Computer Science and Engineering MIT, Crumpet	Member
3	<b>Dr. Sangeetha R.G, Ph.D.</b> Professor, School of Electronics Engineering VIT University Chennai Campus, Vandalur - Kelambakkam Road, Chennai 600 127	Member
4	<b>Dr. T. Subbulakshmi, M. Tech., Ph.D</b> Professor, School of Computer Science and Engineering, Vellore Institute of Technology, Chennai.	Member
5	<b>Dr. V.Vijayalakshmi</b> Professor, Department of Electronics and Communication	Member

	Engineering Pondicherry Technological University <b>Puducherry</b>	
6	<b>Dr. G. Nagarajan</b> Professor, Department of ECE Pondicherry Technological University, Puducherry	Member
7	<b>Deepan Chandrasekaran, B.E., MBA</b> Project Manager, Manager-Projects Test Lead- Cognizant Technology Solutions	Member
8	<b>Mrs. V. Gomathi</b> Assistant Professor/CCE Sri Manakula Vinayagar Engineering College	Member
9	<b>Ms. T.Sivaranjani</b> Assistant Professor/CCE Sri Manakula Vinayagar Engineering College	Member
10	<b>Ms. M.Indhumathi</b> Assistant Professor/CCE Sri Manakula Vinayagar Engineering College	Member
11	<b>Mr. Sakthivel</b> Assistant Professor/CCE Sri Manakula Vinayagar Engineering College	Member
12	<b>Mr.M.Gopinath</b> Assistant Professor/CCE Sri Manakula Vinayagar Engineering College	Member
13	<b>Mr.G.K, Senthil kumar</b> Assistant Professor/CCE Sri Manakula Vinayagar Engineering College	Member
14	<b>Mr.J. Saravanan</b> Assistant Professor/CCE Sri Manakula Vinayagar Engineering College	Member
15	<b>Ms. S.Keerthana</b> Assistant Professor /CCE Sri Manakula Vinayagar Engineering College	Member
16	<b>Dr. D. Devi</b> Associate Professor /English Sri Manakula Vinayagar Engineering College	Member
17	<b>Dr. K.Samuvelraj</b> Assistant Professor /Physics Sri Manakula Vinayagar Engineering College	Member
18	<b>Dr. K. Karthikeyan</b> Professor /Chemistry Sri Manakula Vinayagar Engineering College	Member
19	<b>Dr. A.Ashok</b> Assistant Professor / Mathematics Sri Manakula Vinayagar Engineering College	Member
20	<b>M.Saravanan, B. Tech</b> Senior Software Engineer, Verizon,	Member (Alumni)

## AGENDA OF THE MEETING

Item No.	Particulars
<b>BoS /2024 /UG/CCE 7.1</b>	To apprise the Credentials of College and Department
<b>BoS /2024 /UG/CCE 7.2</b>	To apprise constitution of Governing Body, Academic Council and Finance Committee under UGC regulation 2018 and 2023
<b>BoS /2024 /UG/CCE 7.3</b>	To review the Board of Studies (BoS) constituted in 2020 under UGC Regulation 2018, and provide an overview of meetings conducted, apprising the highlights of Regulation 2020, including curriculum and syllabi.
<b>BoS /2024 /UG/CCE 7.4</b>	To apprise the Board of Studies (BoS) reconstituted under UGC Regulation 2023 and review the suggestions from the Curriculum Advisory Committee and stakeholders for revising the curriculum and syllabi under Regulation 2020
<b>BoS /2024 /UG/CCE 7.5</b>	To review regulation 2023, the curriculum structure under Regulation 2023, and the minutes of the sixth BoS meeting.
<b>BoS /2024 /UG/CCE 7.6</b>	To discuss and approve the syllabi of Semester III and IV for B.Tech Computer and Communication Engineering Programme under R-2023 regulation
<b>BoS /2024 /UG/CCE 7.7</b>	To discuss and approve Syllabi of Professional Elective-I for B.Tech Computer and Communication Engineering Programme under R-2023 regulation
<b>BoS /2024 /UG/CCE 7.8</b>	To discuss and approve Syllabi of course offered for Honours degree in the fourth semester for B.Tech Computer and Communication Engineering Programme under R-2023 regulation
<b>BoS /2024 /UG/CCE 7.9</b>	To apprise and approve the elective courses and certification courses opted by our students under regulation 2020.
<b>BoS /2024 /UG/CCE 7.10</b>	To apprise Department calendar, NPTEL course registration, Guest Lectures and other Department activities
<b>BoS /2024 /UG/CCE 7.11</b>	To apprise end semester examination results for the August 2023 End semester examination
<b>BoS /2024 /UG/CCE 7.12</b>	Any other item with the permission of chair

## MINUTES OF THE MEETING

Dr. V.Bharathi, Chairman, BoS initiated the meeting with a warm welcome and introduced the external members, the internal and co-opted members, and thanked them for accepting the invitation to the 7<sup>th</sup> BoS meeting. The Chairman proceeded with the presentation to deliberate on the agenda items.

## BoS /2024 /UG/CCE 7.1

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To apprise the Credentials of College and Department

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The Board chairman apprised the following details of the Institution and Department,

The Institution details are,

- College Establishment
- Accreditation Details
- Available Programmes with intake
- Institution Ranking Details
- Placement Details
- Centre of Excellence
- Functional MoUs
- Research Activities
- Social Activities
- Infrastructure details

The Department details are,

- Establishment Details
- Vision and Mission
- Programme Educational Objectives
- Programme Specific Outcomes
- Faculty and Student strength
- Department Publication and patent
- Department placement details

**Appreciated the College and Department Credentials**

## BoS /2024 /UG/CCE 7.2

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To apprise constitution of Governing Body, Academic Council and Finance Committee under UGC regulation 2018 and 2023

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The BoS Chairman briefed that Institute follows Roles, terms and Conditions as per UGC norms for the constitution and execution of Finance Committee, Academic council and Governing Body

**Appreciated for executing autonomous as per UGC Regulation.**

## BoS /2024 /UG/CCE 7.3

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To review the Board of Studies (BoS) constituted in 2020 under UGC Regulation 2018, and provide an overview of meetings conducted, apprising the highlights of Regulation 2020, including curriculum and syllabi.

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The members of the Board of Studies reviewed previous BoS members and the following meeting Details,

Meeting	Date of Meeting	Approval Details
<b>BoS Meeting-1</b>	20.07.2020	Sem-I and Sem-II under Regulation 2020
<b>BoS Meeting-2</b>	27.03.2021	Sem-III and Sem-IV under Regulation 2020
<b>BoS Meeting-3</b>	28.08.2021	Sem-V and Sem-VI under Regulation 2020
<b>BoS Meeting-4</b>	28.02.2022	Sem-VII under Regulation 2020
<b>BoS Meeting-5</b>	10.09.2022	Sem-VIII under Regulation 2020
<b>BoS Meeting-6</b>	20.07.2023	Sem-I and Sem-II under Regulation 2023

They also reviewed following highlights of Regulation -2020,

- Credit Details of the courses
- Credit distribution of various categories of courses
- Assessment Procedure and Awarding Marks for Theory, Practical, Employability enhancement courses, Internship, project works and Mandatory courses etc

#### **Reviewed Previous BOS meetings and Regulation-2020.**

#### **BoS /2024 /UG/CCE 7.4**

To apprise the Board of Studies (BoS) reconstituted under UGC Regulation 2023 and review the suggestions from the Curriculum Advisory Committee and stakeholders for revising the curriculum and syllabi under Regulation 2020

The Board of Studies members reviewed the BOS reconstitution as per UGC regulation 2023 and the following steps taken to revise the Regulation 2020

- The Curriculum Advisory Committee (CAC) is framed with the following composition:
  - 3 Academic Experts
  - 4 Industrial Experts
  - 2 Meritorious Alumni
  - Department Staff
  - 3 Students from the Pre-final year
- CAC meeting was conducted on 10.03.2023 and suggestions are recorded
- Feedbacks are Collected from present students, parents and teachers
- Compared to other reputed institutions' curricula.

#### **Appreciated for Recondition of BOS as per norms and steps taken to revise regulation 2020**

#### **BoS /2024 /UG/CCE 7.5**

To review regulation 2023, the curriculum structure under Regulation 2023, and the minutes of the sixth BoS meeting.

The Board of Studies members reviewed curriculum highlights under R-2023 and minutes of sixth BOS meeting as follows,

Sixth Board of Studies meeting was held on 20.07.2023, and following points are discussed,

- Discussed and Approved Regulation 2023(R-2023) for the B.Tech Programme for the students admitted from the academic year 2023-24
- Discussed and approve curriculum structure and credit distribution for B.Tech Computer and Communication Engineering Programme under the Regulation R-2023
- Discussed and approve the syllabi of Semester I and II for B.Tech Computer and Communication Engineering Programme under R-2023 regulation
- Apprised and approved the elective courses and certification courses opted by our students under regulation 2020 in the odd semester of Academic Year 2023-24

#### Highlights of R-2023

- Theory cum Practical Courses
  - Theory cum Practical Courses from Sem I to VI except Sem V
- Honours Degree
  - The Student who have secured more than 8 CGPA in III semester can register for Honours Degree
  - The student has to earn additionally 18-20 credits by registering honours course
  - 5 additional courses offered from Sem IV to V for getting Honours Degree out of which one may be NPTEL course based on student choice
- Micro and Mini Projects in the Semester V and VI
  - Micro and Mini Projects are added with Existing Project phase-I and Project phase-II
- UHV-II and Research Methodologies are compulsory courses for all Engineering

#### Minutes of 6<sup>th</sup> BOS meeting and highlights of R-2023 are reviewed

#### BoS /2024 /UG/CCE 7.6

To discuss and approve the syllabi of Semester III and IV for B.Tech Computer and Communication Engineering Programme under R-2023 regulation

The Board of Studies members reviewed the Semester III and IV syllabi in depth and suggested the following changes,

S.No	Regulation	Semester	Subject Name with Code	Unit	Particulars
1	R-2023	III	Computer organization and Architecture-U23CCT302	III, V	Based on BoS members Suggestion, <ul style="list-style-type: none"> <li>• Unit-III title is changed as "Basic design of ALU" instead of ALU</li> <li>• Unit-V title is Peripheral interfacing instead of Input and Output Devices</li> </ul>
2	R-2023	III	Analog Electronics-U23CCT303	I	As per BoS members suggestion Unit-I title is changed as "Voltage Amplifier" instead of "BJT amplifier"
3	R-2023	III	Principles of Communication	I and III	Unit -I title is changed as

			Engineering- U23CCT304		“Linear Modulation” and Error Control codes are included in Unit-III
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*Suggestions are considered and updated in the syllabi. The details are provided in Annexure-I*

**Semester III and IV syllabi are approved and recommended to Academic council**

#### **BoS /2024 /UG/CCE 7.7**

To discuss and approve Syllabi of Professional Elective-I for B.Tech Computer and Communication Engineering Programme under R-2023 regulation

The Board of Studies members reviewed the Professional Elective-I Courses and syllabi in depth and suggested the following changes,

S.No	Regulation	Semester	Subject Name with Code	Unit	Particulars
1	R-2023	IV	Information coding Theory- U23CCE403	-	As per BOS members suggestion course title is changed as Information and Image Coding theory instead of Information Coding Theory

*Suggestions are considered and updated in the syllabi. The details are provided in Annexure-II*

**Professional Elective-I syllabi are approved and recommended to Academic council**

#### **BoS /2024 /UG/CCE 7.8**

To discuss and approve Syllabi of course offered for Honours degree in the fourth semester for B.Tech Computer and Communication Engineering Programme under R-2023 regulation

The Board of Studies members reviewed the Courses and syllabi of Honours degree offered for B.Tech computer and Communication Engineering Program elaborately and suggested the following changes,

S.No	Regulation	Semester	Subject Name with Code	Unit	Particulars
1	R-2023	IV	Cyber Laws and Vulnerabilities- U23CCH401	I	As per BOS discussion, <ul style="list-style-type: none"> <li>Included Overview of attacks in the first unit</li> <li>Included two more text and reference books based Cyber laws</li> </ul>
2	R-2023	VI	Malware Analysis and Reverse Engineering-	I and III	Based on BoS Suggestion, <ul style="list-style-type: none"> <li>Included Packing and Obfuscation and Registry</li> </ul>

			U23CCH603		snapshots in Unit-I • Included Geometric models and its types in Unit-III
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*Suggestions are considered and updated in the syllabi. The details are provided in Annexure-III*

**Honours degree programme Courses and syllabi are approved and recommended to Academic council**

#### **BoS /2024 /UG/CCE 7.9**

To apprise and approve the elective courses and certification courses opted by our students under regulation 2020.

BoS chairman presented the following Professional Elective, open Elective courses, skill Development Courses and certification courses are opted by the students in the Even Semester of academic year 2023-24,

<b>Batch 2020-2024</b>	
Professional Elective	Professional Elective V: Deep Learning and its Application Professional Elective VI: Mobile Application Development
<b>Batch 2021-2025</b>	
Open Elective	Platform Technologies
Professional Elective	Soft Computing
Certification Course	Azure Devops
Skill Development Courses	Skill Development Course 6: Foreign Language / IELTS – II Skill Development Course 7: Technical Seminar Skill Development Course 8: NPTEL / MOOC – I
<b>Batch 2022-2026</b>	
Professional Elective	Operating Systems
Open Elective	Consumer Electronics
Certification Course	CCNA Routing and Switching
Skill Development Courses	Computer Hardware Trouble Shooting

#### **BoS /2024 /UG/CCE 7.10**

To apprise Department calendar, NPTEL course registration, Guest Lectures and other Department activities

The Board Chairman Briefed about the following Department activities carried out in the academic year 2023-24 as per academic calendar,

- Continuous Assessment Test
- Project Reviews



- Practical schedule
- Guest Lectures organized
- Seminar and Workshop conducted
- Students online certification course completion
- Students Achievements
- NSS activities
- Industrial Visits arranged
- Idea Lab training to the students
- Faculty Training Details

**Appreciated for the activities carried in the Department**

**BoS /2024 /UG/CCE 7.11**

To apprise end semester examination results for the August 2023 End semester examination

The BoS members reviewed the following end Semester results of present students

Year	Total No students	No of Students Pass in that semester	Pass Percentage in Current Sem	No of students passed overall	Overall Pass Percentage
IV Year	48	45	94	43	90
III Year	57	46	81	46	81
II Year	59	49	83	49	83

**Appreciated for the good result**

**BoS /2024 /UG/CCE 7.12**

Any other item with the permission of chair

The BOS members reviewed syllabi of semester- I to IV courses in R-2023 with R-2020 and the following subjects are proposed to consider as equivalent subjects,

Course Code with Name(R-2020)	Course Code with Name(R-2023)
U20EST109-Problem Solving Approach	U23CSTC02-Problem Solving Approach
U20CCT203-Digital Electronics	U23CCT201-Digital Electronics

The Board of Studies resolved to approve the above suggestions for B.Tech. Computer and Communication Engineering brought forward by the Chairman incorporating the above changes. The meeting was concluded at 1:00 PM with a vote of thanks by **Dr. V. Bharathi**, Head of the Department, Computer and Communication Engineering.

**Dr. V. Bharathi**  
Chairman

Professor and Head  
Department of CCE, SMVEC



**Dr. P. Varalakshmi**  
Professor, Department of CSE  
MIT, Chrompet Chennai



**Dr. Sangeetha R.G**  
Professor, School of Electronics  
Engineering VIT University, Chennai



**Dr. T. Subbulakshmi**  
Professor, School of Computer Science  
Engineering, VIT, Chennai.



**Dr. G. Nagarajan**  
Professor, Department of ECE  
Pondicherry Technological University,  
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**Dr. V. Vijayalakshmi**  
Professor, Department of ECE  
Pondicherry Technological University  
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**Mr. Deepan Chandrasekaran**  
Project Manager, Manager-Projects  
Test Lead- Cognizant Technology Solutions



**Mrs. V. Gomathi**  
Assistant Professor/CCE



**Mr. J. Saravanan**  
Assistant Professor /CCE



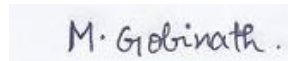
**Ms. T. Sivaranjani**  
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**Ms. M. Indhumathi**  
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**Mr.K. Sackthivel**  
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**Ms. S.Keerthana**  
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**Mr.G.K, Senthil kumar**  
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**Dr.K.Samuvelraj**  
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**Dr.K.Karthikeyan**  
Assistant Professor /Chemistry



**Dr.A.Ashokan**  
Assistant Professor /Mathematics



**Dr.D. Devi**  
Assistant Professor/Englsih



**Mr. M.Saravanan**(Alumini)  
Senior Software Engineer, Verizon,