



SRM Valliammai Engineering College

(An Autonomous Institution)

Approved by AICTE & Affiliated to Anna University, Chennai.

'A' Grade Accreditation by NAAC, NBA Accredited, ISO 9001:2015 Certified

Department of Electronics & Communication Engineering

Date: 25.01.2020

Minutes of the Board of Studies Meeting

The Second Meeting of Board of Studies in Electronics & Communication Engineering has been conducted on **25.01.2020** (Saturday) at **1:00 p.m** in the Seminar Hall of Electronics & Communication Engineering department.

Members Present:

S.No	Name	Designation	Category
1.	Dr. Komala James	Professor & Head, Department of ECE	Chairman
2.	Dr. P. Sakthivel	Professor & Dean, University College of Engg. Kancheepuram- 631552.	Member (University Nominee)
3.	Dr. M. D. Selvaraj	Associate Professor, ECE, IIITD&M Kancheepuram, Nellikuppam, Chennai-600127.	Member (Subject Expert)
4.	Dr. S. Bagyaraj	Associate Professor, Biomedical Engineering, SSN College of Engineering, Kalavakkam, Chennai-603110	Member (Subject Expert)
5.	Mr. V. Selvakumar	Assistant General Manager, Hexaware Technologies, Chennai-603103.	Member (Subject Expert)
6.	Mr. R. Ganesh	Sub Divisional Engineer, BSNL, Chennai-600048.	Member (Industry Expert)
7.	Ms. R. Jothilakshmi	Senior Associate, Cognizant Technology Solutions, Sholinganallur-600119.	Member (Alumnus)
8.	Dr. M. Murugan	Professor & Vice Principal	Member
9.	Dr. S. Ramesh	Associate Professor	Member

Agenda:

- *Second BOS meeting.*

MINUTES

1. The chairman welcomed all the members for the second BOS meeting.
2. The B.E. Degree Curriculum and Syllabi for III to VIII Semesters for the new 2019 Regulations in Autonomous for Electronics & Communication Engineering Programme is discussed and approved.
3. The B.E. Degree Curriculum and Syllabi for III to VIII Semesters under new 2019 Regulations in Autonomous for Medical Electronics Programme is discussed and approved.
4. The M.E. Degree Curriculum and Syllabi for III & IV Semesters under new 2019 Regulations in Autonomous for Communication Systems Programme is discussed and approved.
5. The below mentioned subjects of other departments are to be handled by ECE department.

S.NO	COURSE CODE	COURSE TITLE	Dept.	Sem	Category
1.	1906305	Digital Fundamentals & Communication	CSE	III	Core
2.	1906002	Signals & Systems	MEDICAL EEE EIE	III VII VII	Core Open Elective-II Open Elective-II
3.	1906306	Electronic Circuits	MEDICAL	III	Core
4.	1906302	Digital Electronics	MEDICAL	III	Core
5.	1906303	Analog and Digital Circuits Laboratory	MEDICAL	III	Core
6.	1906003	Discrete-Time Signal Processing	MEDICAL	IV	Core
7.	1906401	Linear Integrated Circuits	MEDICAL	IV	Core
8.	1906007	Digital Signal Processing Laboratory	MEDICAL	IV	Core
9.	1906405	Linear Integrated Circuits Laboratory	MEDICAL	IV	Core
10.	1906505	Analog and Digital Communication	MEDICAL	V	Core
11.	1906506	Electronics Materials	MEDICAL	V	Open Elective- I
12.	1906010	Photonic Networks	MEDICAL	V	Open Elective- I
13.	1906503	Nano technology and applications	MEDICAL	V	Professional Elective-I
14.	1906507	Digital Signal Processing	IT	V	Professional Elective-I
15.	1906012	Digital Audio Engineering	IT MEDICAL	V VI	Open Elective- I Professional Elective-III
16.	1906006	Telecommunication Network Management	MEDICAL IT Mech	V V VII	Open Elective- I Open Elective- I Open Elective II

17.	1906601	Microprocessors and Microcontrollers	MEDICAL	VI	Core
18.	1906610	Microprocessors and Microcontrollers Laboratory	MEDICAL	VI	Core
19.	1906613	Communication Engineering	EEE EIE	VI VI	Professional Elective-II Core
20.	1906704	Ad HoC Wireless Sensor Networks	MEDICAL	VII	Open Elective-II
21.	1906008	VLSI Design	EEE EIE	VII VII	Professional Elective-IV Professional Elective-III
22.	1906011	Principles of Speech Processing	IT	VII	Professional Elective-IV
23.	1906001	Electronic Devices	IT	VII	Open Elective-II
24.	1906005	Medical Electronics	IT	VII	Open Elective-II
25.	1906713	Mobile Application Development	Civil	VII	Open Elective-II
26.	1906004	Communication Networks	EIE	VII	Open Elective-II
27.	1910701	Digital Image Processing	EIE	VII	Professional Elective-III
28.	1906009	Advanced Digital Signal Processing	EIE	VIII	Professional Elective-V

Out of the above courses to be handled by ECE department the following courses are not offered by BE Degree Curriculum and Syllabi in Autonomous Regulation 2019 for Electronics & Communication Engineering Programme.

S.NO	COURSE CODE	COURSE TITLE	Dept.	Sem	Category
1.	1906305	Digital Fundamentals & Communication	CSE	III	Core
2.	1906306	Electronic Circuits	MEDICAL	III	Core
3.	1906505	Analog and Digital Communication	MEDICAL	V	Core
4.	1906506	Electronics Materials	MEDICAL	V	Open Elective- I
5.	1906507	Digital Signal Processing	IT	V	Professional Elective-I
6.	1906012	Digital Audio Engineering	IT MEDICAL	V VI	Open Elective- I Professional Elective-III
7.	1906613	Communication Engineering	EEE EIE	VI VI	Professional Elective-II Core
8.	1906713	Mobile Application Development	Civil	VII	Open Elective-II

The above subjects are discussed and approved.

6. The BOS members suggested to change the order of the subjects listed from semester III to VIII for B.E. Degree Electronics & Communication Engineering and also for Medical Electronics.
7. In III semester B.E Degree Electronics & Communication Engineering for the theory course Electron Devices the contents of the syllabus is modified
8. Also in the corresponding semester the two laboratory syllabus contents are combined in to one lab named Analog Circuits, Devices and Digital Lab.
9. The total credits of III semester B.E Degree Electronics & Communication Engineering is reduced from 23 to 21. The overall total credits of B.E Degree Electronics & Communication Engineering is reduced from 175 to 173.
10. The suggestions given by the BOS members for B.E. Degree Medical Electronics are as follows

S.No	Semester	Suggested Changes
1.	III	Name change from Electronic Circuits to Electron Devices and Circuits. To include 3 units syllabus of Electron Devices and 2 units syllabus of Electronic Circuits.
2.	III	Laboratory name to be Analog Circuits, Devices and Digital Lab with contents modified with experiments of Devices, Circuits and Digital Circuits.
3.	IV	Basics of Electrical Engineering syllabus to be compared with Electronic Devices and Circuits syllabus to avoid any repetition of topics.
4.	IV	Biomaterials and Artificial Organs syllabus to be verified with the syllabus of Biomaterials listed in PE1
5.	V	For Medical Equipment Lab the 5 th and 14 th Experiment topic contents shall be available in the corresponding theory subject.
6.	V	In Medical Instrumentation Lab the Experiments 1 & 3 to be removed from syllabus and to split the 8 th experiment into two experiments. In addition to that the syllabus shall be compared with the syllabus of B.E. Bio Medical Instrumentation course.
7.	VI	Bio Mechanics subject to be listed in PE1. The total credits of VI semester is reduced from 24 to 21.
8.	VII	The subject titled Fundamentals of Nutrition to be listed in PE4. Pattern Recognition and Artificial Intelligence subject to be listed as a core subject.
9.	VIII	The subject title of Fundamentals of Nanoscience in the Professional Elective list should be modified.

11. The overall total credits of B.E Degree Medical Electronics is reduced from 175 to 172.
12. For M.E. Degree Communication Systems the following possible subjects are to be given in the professional Electives list.
 - Digital Testing
 - Cyber security Threats
 - Data Analytics
 - Cloud Computing
13. For Project Report preparation Anna University Format is planned to be followed and approved for B.E. Degree Electronics & Communication Engineering.
14. For Project Report preparation Anna University Format is planned to be followed and approved for B.E. Degree Medical Electronics.
15. For Project Report preparation Anna University Format is planned to be followed and approved for M.E. Degree Communication Systems.

CC to,

1. The Chairman, Academic Council – for kind information.
2. All Members of Board of Studies in ECE department.