

Department of Electronics and Communication Engineering
Francis Xavier Engineering College, Vannarpettai, Tirunelveli - 627 003
(An Autonomous Institution - Affiliated to Anna University, Chennai)
www.francisxavier.ac.in

6th Board of Studies Meeting in the Department of Electronics & Communication Engineering

Mode: Through Online (Meeting Link: <https://meet.google.com/nyx-dmxt-zry>)

Date & Time: 12th January 2022 at 01.30 p.m

AGENDA

BoS / ECE6.1: Welcome address and Opening Remarks by Chairman, Board of studies in the Department of ECE

BoS / ECE6.2: Confirmation of the Minutes of the 5th meeting of Board of studies in the department of Electronics & Communication Engineering held on 1st July 2021

BoS / ECE6.3: Business brought forward by the Chairman, Board of Studies, which is

6.3.1 Syllabi of Semesters III, IV for UG - B.E Electronics & Communications Engineering - for Regulations 2021

6.3.2 Internal, External Fixation ratio

BoS / ECE6.4: Other suggestions given by the BOS Members

Department of Electronics & Communication Engineering
MINUTES OF THE MEETING

The 6th Meeting of the Board of studies of the Electronics & Communication Engineering was held on 12th January 2022 at 01.30 p.m through online.

The following members were present:

S. No	Members as per UGC Norms	Members Nominated
1	Head of the Department concerned (Chairman)	Mrs.J.Friska Head & Asso. Prof, ECE department
2	One Expert nominated by the Vice Chancellor from a panel of six recommended by the college Principal	Dr.G.Karpagarajesh Associate Professor, Department of Electronics and Communication Engineering, Government College of Engineering Tirunelveli
3	Two experts in the subject from outside the college nominated by the Academic Council	Dr.S.Anand Associate Professor Department of Communication Engineering, School Of Electronics Engineering (Sense)VIT-Vellore
		Dr.P.Sivakumar Professor, Department of Electronics and Communication Engineering, Kalasalingam University, Krishnankoil-626126. Virudhunagar, Tamil Nadu, India.
4	One representative from industry/corporate sector/allied area relating to placement	Er. Francy Williams Senior Engineer, All India Radio , Palayamkottai, Tirunelveli
5	One Post Graduate meritorious aluminous nominated by the Principal	Er. S.J. Jinolin Jacob HR manager, US Operations Insigma Technologies Pvt Ltd Trivandrum

6. Internal Members Present:

S. No	Name of the Member	Designation
1	Dr.N.MuthuKumaran	Asso. Prof/ECE
2	Dr.N.Subbulakshmi	Asso Prof/ECE
3	Mrs.M.Navaneetha Velammal	Asso. Prof/ECE
4	Mr.C.Amarsingh Feroz	Asso. Prof./ECE
5	Dr.R.Kabilan	Asst. Prof/ECE
6	Dr.K.Lakshmi Narayanan	Asst. Prof/ECE

7	Dr.P.Kannan	Asst. Prof/ECE
8	Dr.S.Allwin Devaraj	Asst. Prof/ECE
9	Dr.R.PremAnanth	Asst. Prof/ECE
10	Dr.Andrew Roobert	Asst. Prof/ECE
11	Mr.S.Esakki Rajavel	Asst. Prof/ECE
12	Mrs.M.Chitra Evangelin Christina	Asst. Prof/ECE
13	Mr.M.Suresh Chinna Thampy	Asst. Prof/ECE
14	Mrs.E.Francy Irudaya Rani	Asst. Prof/ECE
15	Mr.B.Pradheep T Rajan	Asst. Prof/ECE
16	Mrs.M.Radha	Asst. Prof/ECE
17	Mr.Santiago Stephen	Asst Prof/Maths

Ex-Officio members present:

S. No	EX OFFICIO MEMBERS	
1	Dr.V.Velmurugan	Principal, Francis Xavier Engineering College, TVL
2	Dr.L.R.Priya, Asso.Prof, ECE Dept	Professor Academics, Francis Xavier Engineering College, Tirunelveli
3	Dr.G.Rajakumar, Prof, ECE Dept.	Controller of Examinations, Francis Xavier Engineering College, Tirunelveli
4	Dr.M.Caroline Viola Stella Mary	ERP Head, Francis Xavier Engineering College, Tirunelveli

Members Absent:

1	Mrs.N.Renee Segrid Reddiyar	Asst. Prof/ECE
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Reason:

On medical Leave

Board of Studies Meeting started with a prayer by Dr.A.Andrew Roobert, AP/ECE

BOS / ECE 6.1: WELCOME ADDRESS AND OPENING REMARKS BY CHAIRMAN, BOARD OF STUDIES IN THE DEPARTMENT OF ECE

The Chairman, BOS of Electronics & Communication Engineering welcomed and introduced the members of 6th Board of Studies and thanked each of them for sparing their valuable time to attend the meeting.

BoS / ECE 6.2: CONFIRMATION OF THE MINUTES OF THE 5TH MEETING OF BOARD OF STUDIES IN THE DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING HELD ON 1st July 2021 AND ACTION TAKEN REPORT OF 5TH MEETING OF BOARD OF STUDIES

The minutes of the Fifth Board of Studies meeting held on 1st July, 2021 were communicated to the members. The comments received have been incorporated and placed for confirmation. The same was approved by the 5th Academic Council Meeting.

Annexure I: Action Taken Report after presenting to Academic Council Meeting V

BOS / ECE 6.3: BUSINESS BROUGHT FORWARD BY THE CHAIRMAN, BOARD OF STUDIES:

6.3.1 SYLLABI OF SEMESTERS III, IV FOR UG - B.E ELECTRONICS & COMMUNICATIONS ENGINEERING - FOR REGULATIONS 2021

The chairman presented the newly framed 2021 regulation syllabi for Semester 3 & 4. She lime lighted about the theory courses, mandatory courses, theory cum practical courses and practical courses adapted for the Semester 3 & 4.

Also, the chairman presented to the members the major changes brought over in 2021 regulation curriculum compared to 2019 regulation curriculum.

- % change in curriculum is as below
 - ✓ Total no. of credits has been increased from 166 to 168
 - ✓ Under HSSM, allotted credit in % is 6.55, Under BS, allotted credit in % is 11.90, Under ES, allotted credit in % is 13.10, Under PC, allotted credit in % is 39.88, Under PE, allotted credit in % is 10.71, Under OE, allotted credit in % is 7.14, Under EEC, allotted credit in % is 10.71

The BOS members gave the following suggestions

- In **theory cum practical courses**, the detailed explanation about the practical component should take part in the theory component.
- PSPICE simulation tool for **Analog Electronics Laboratory** can be replaced with LTspice Simulator and Multisim live online version.
- For handling **Digital electronics laboratory**, **TCAD tool** can be used.
- It's good to add simple MATLAB programs in **Signals and Systems** course.
- In **Digital Logic Design** course the addition of simple VERILOG programs for combinational logic circuits gives more impact.

- It is better to have the following courses **Ethical and Moral Reasoning** and **Environmental and Sustainable Engineering** in different semesters.
 - In **Analog and Digital Communication** course include adaptive Huffman coding
- **RESOLVED TO APPROVE** the above-mentioned suggestions for Curriculum and syllabi of Semester 3,4 - B.E Electronics & Communication engineering

BoS / ECE 6.3.2: INTERNAL, EXTERNAL FIXATION RATIO

- Based on the type of courses, the Internal & external mark ratio can be fixed accordingly
- For **theory courses**, the **Internal & external mark** fixation ratio can be kept as **50: 50 marks** because more number of Formative assessments is in practice.
- For **theory cum practical courses**, the **Internal & external mark** fixation ratio can be in the weightage of **70: 30 marks**. For theory part and for practical session 50: 50 internal and external mark ratio can be adopted.

BoS / ECE 6.4: OTHER SUGGESTIONS GIVEN BY THE BOS MEMBERS

- ✓ It's good to check the PO-CO attainment ratio for any courses whenever it is modified or up gradated.

Based on the suggestions given by the members, BOS resolved to recommend the following to the Academic Council for further approval.

- **RESOLVED TO APPROVE** the Curriculum for 2 semesters and syllabi of Semester 3,4 - B.E Electronics & Communication engineering

The Chairman thanked all the members for their kind cooperation and the meeting came to an end.

MP

MEMBER SECRETARY



CL







CHAIRMAN

BOARD OF STUDIES BOARD OF STUDIES






Prof. J. FRISKA, M.E., (Ph.D).,
Associate Professor & Head,
Department of Electronics and Communication Engineering,
Francis Xavier Engineering College,
Tirunelveli - 627 003.

Attendance Sheet Table of Members

External Members present:

S. No	Members as per UGC Norms	Members Nominated	Signature
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2	Dr.L.R.Priya, Asso.Prof, ECE Dept	Professor Academics, Francis Xavier Engineering College, Tirunelveli	 12/1/22
3	Dr.G.Rajakumar, Prof, ECE Dept.	Controller of Examinations, Francis Xavier Engineering College, Tirunelveli	 12/01/22
4	Dr.M.Caroline Viola Stella Mary	ERP Head, Francis Xavier Engineering College, Tirunelveli	 12/1/22

The screenshot shows a Google Meet interface. At the top, a notification states: "You have extensions installed that may affect the quality of your call". Below this, it says "ECE HOD is presenting". The main content is a presentation slide titled "CURRICULUM - M.E. VLSI DESIGN". The slide contains a table with the following structure:

S. No	COURSE	CREDITS FOR SEMESTER				TOTAL CREDITS	PERCENTAGE
		I	II	III	IV		
1	DS	3				3	75%
2	AI	3	3			6	150%
3	DS	3	3			6	150%
4	AI	3	3	3	3	12	300%
Total		12	12	3	3	30	750%

On the right side of the screen, there is a "People" panel showing a list of participants: Amar Singh Ferot C, Anand S Thampy, Chitra Evangelin Christine, Dr. P. Sivakumar ECE, Dr. B. Kabilan, and Dr. A. Andrew Robert. The bottom of the screen shows the meeting controls and a system tray with the time 1:43 on 12.01.2022.

The screenshot shows a Google Meet interface. At the top, a notification states: "You have extensions installed that may affect the quality of your call". Below this, it says "ECE HOD is presenting". The main content is a presentation slide titled "Minutes of Fifth BOS Meeting - 01.07.2021". The slide contains the following text:

- RESOLVED TO APPROVE online courses for Regulation 2019 semester 5
- RESOLVED TO APPROVE specialization/minor courses for Regulation 2019
- RESOLVED TO APPROVE the Curriculum for 4 semesters and syllabi of Semester 1,2 - B.E. Electronics & Communication engineering
- RESOLVED TO APPROVE the Curriculum and syllabi of PG Programme - M.E. VLSI Design
- RESOLVED TO APPROVE the Curriculum and syllabi of PG Programme - M.E. Communication Systems

On the right side of the screen, there is a "People" panel showing a list of participants: Amar Singh Ferot C, Anand S Thampy, Chitra Evangelin Christine, Dr. P. Sivakumar ECE, Dr. B. Kabilan, and Dr. A. Andrew Robert. The bottom of the screen shows the meeting controls and a system tray with the time 1:44 on 12.01.2022.

REC ECE HOD is presenting

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12-01-2022

Participants: ECE HOD, Francy Irudaya..., Dr.A.Andrew R..., Dr.Kannan P, Lakshmi Naray..., Dr. P. Sivakuma..., Alwin Divaraj S, Subbulakshmi..., Prem Ananth R, Santiago Steph..., 13 others, You

MINUTES

Sl. No	Item	Remarks	Responsible	Due Date
1	1. To check the progress of the work done by the members of the committee.			
2	2. To check the progress of the work done by the members of the committee.			
3	3. To check the progress of the work done by the members of the committee.			
4	4. To check the progress of the work done by the members of the committee.			

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ITEMS TO BE DISCUSSED

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4. To check the progress of the work done by the members of the committee.

REC ECE HOD is presenting

meet.google.com/nyx-dmat-zry?pli=1

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12-01-2022

Participants: ECE HOD, Francy Irudaya Ra..., Dr.A.Andrew Roo..., Dr.Kannan P, Lakshmi Narayana..., Prem Ananth R, Santiago Stephen A, 15 others, You

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ANNEXURE I

Action taken report after presentation in Academic Council Meeting - V

S.No	Topic	Suggestions	Action plan	Reflection in the Curriculum
1	M.E Communication Systems	The course titled "Trending Digital Communication Techniques" shall be change to "Advanced Digital Communication Techniques"	As suggested the title has been modified in M.E Communication Systems 2021 regulation syllabus	Page No. 18
2	NPTEL courses	Suggested that credit equivalency for 8 weeks course and 12 weeks course from NPTEL must be displayed explicitly	Resolved and approved for the NPTEL courses suggested by the BOS	Included in the annexure II of curriculum