

Department of Electronics and Communication Engineering

Minutes of 11th Board of Studies Meeting

11th Board of Studies Meeting in the Department of Electronics & Communication Engineering

Mode: Through Offline and Online mode (Meeting Link: <https://meet.google.com/sxa-etsy-vfi>)

Venue: FXEC, Presentation hall

Date & Time: 22nd June, 2024 at 02.00 p.m

AGENDA

BoS / ECE 11.1: Welcome address and Opening Remarks by Chairman, Board of studies in the Department of ECE

BoS / ECE 11.2: Confirmation of the Minutes of the 10th meeting of Board of studies in the Department of Electronics & Communication Engineering held on 10th January, 2024.

BoS / ECE 11.3: Business brought forward by the Chairman, Board of Studies, which is

11.3.1 R2024-Curriculum and Syllabus for 1st and 2nd semester UG- Electronics and Communication Engineering.

11.3.2 NPTEL course list for 2024-2025 Odd Semester.

11.3.3 Curriculum and Syllabus of PG-Communication Systems for Regulation 2024).

BoS / ECE 11.4: Other suggestions given by the BOS Members



Department of Electronics and Communication Engineering

MINUTES OF THE MEETING

The 11th Meeting of the Board of studies of the Electronics & Communication Engineering was held on 22th June, 2024 at 02.00 p.m through both offline & 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. S. Baulkani, 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 Sreekandan Thampy 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 Senior HR manager, US Operations Insigma Technologies Pvt Ltd Nagercoil



Department of Electronics and Communication Engineering

Internal Members Present:

S. No	Name of the Member	Designation
1	Dr.G.Rajakuamr	Professor/ECE & COE
2	Dr.V.R.S.Mani	Professor/ECE
3	Mr.C.Amarsingh Feroz	Asso. Prof./ECE
4	Dr.R.Kabilan	Asso. Prof./ECE
5	Dr.P.Kannan	Asso. Prof./ECE
6	Dr.R.Prem Ananth	Asso. Prof./ECE
7	Dr.S.Allwin Devaraj	Asso. Prof./ECE
8	Mrs.E.Francy Irudaya Rani	Asst. Prof./ECE
9	Dr. M.V.Rajee	Asst. Prof./ECE
10	Mr.B.Pradheep T Rajan	Asst. Prof./ECE
11	Mrs.M.Radha	Asst. Prof./ECE
12	Mrs.T.Ramya	Asst. Prof./ECE
13	Mrs.S.Balammal@Geetha	Asst. Prof./ECE
14	Mrs.P.Bhuvana	Asst. Prof./ECE
15	Mrs.Valli Suseela	Asst. Prof./ECE
16	Mrs.J.Vanitha	Asst. Prof./ECE
17	Mrs.M.J.Amala	Asst. Prof./ECE

Members Absent:

- Dr.L.R.Priya, Professor Academics
- Dr.K.Lakshmi Narayanan, Asso. Prof./ECE
- Mrs.U.Lenin Marksia, Asst. Prof./ECE



Board of Studies Meeting started with a prayer by Mr.C.Amarsingh Feroz, Asso.Prof/ECE

BOS / ECE 11.1: WELCOME ADDRESS AND OPENING REMARKS BY CHAIRMAN, BOARD OF STUDIES IN THE DEPARTMENT OF ECE

Mrs.M.J.Amala, AP/ECE welcomed and introduced the Members and Special Invitees of Board of Studies and Management dignitaries by depicting their respective academic and professional profile.

The Chairman, BOS of Electronics & Communication Engineering once again welcomed the members of 11th Board of Studies and thanked each of them for sparing their valuable time to attend the meeting.

BOS / ECE 11.2: CONFIRMATION OF THE MINUTES OF THE 10th MEETING OF BOARD OF STUDIES IN THE DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING HELD ON 10th January, 2024 AND ACTION TAKEN REPORT OF 10th MEETING OF BOARD OF STUDIES

The minutes of the Tenth Board of Studies meeting held on 10th January, 2024 were communicated to the members. The comments received have been incorporated and placed for confirmation. The same was approved by the 10th Academic Council Meeting.

➤ *Action taken report (Enclosed in Annexure I)*

BOS / ECE 11.3: BUSINESS BROUGHT FORWARD BY THE CHAIRMAN, BOARD OF STUDIES:

11.3.1 R2024-CURRICULUM AND SYLLABUS FOR 1st AND 2nd SEMESTER UG- ELECTRONICS AND COMMUNICATION ENGINEERING

- It is suggested to conduct bridge course for the students joined as lateral entry in C Programming and Python Programming.
- As per AICTE guidelines, it is suggested to have total credit not exceeding 163 in R2024.
- It was suggested to include all the GATE topics in the R2024 courses.
- It was suggested to frame syllabus for Professional Elective courses with practical component i.e Theory cum Practical.
- It was suggested that while framing the syllabus Microprocessor and Micro controller, Advanced Microprocessor courses the topics should not be repeated.
- It was suggested to include Block Chain Principles in the list of NPTEL Courses.
- Bio informatics can be included as a Professional Elective Course.

➤ **RESOLVED TO APPROVE the above-mentioned suggestions for R2024-Curriculum and Syllabus of UG- Electronics and Communication Engineering**





Department of Electronics and Communication Engineering

11.3.2: NPTEL COURSE LIST FOR 2024-2025 ODD SEMESTER

- NPTEL course completed and applied for credit transfer has been discussed for 2022-2023 (Odd & Even), 2023-2024 (Odd & Even) were discussed.
 - List of suggested Online NPTEL course for 2024-2025 (Odd) were presented. (*Enclosed in Annexure II*)
- **RESOLVED TO APPROVE the above mentioned NPTEL COURSE LIST FOR 2024-2025 ODD SEMESTER**

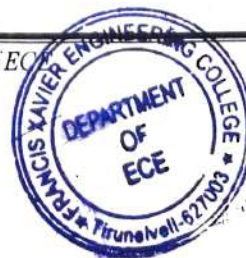
11.3.3: CURRICULUM AND SYLLABUS OF PG-COMMUNICATION SYSTEMS FOR REGULATION 2024

The chairman presented the newly framed R2024 regulation curriculum and syllabus for 4 semesters for M.E. Communication Systems.

- Like UG courses, the professional and elective subject in PG course can be replaced with NPTEL course.
 - M.E. Communication Systems syllabus formation and its design flow were accepted by the BOS members.
- **RESOLVED TO APPROVE the above mentioned CURRICULUM AND SYLLABUS OF PG-COMMUNICATION SYSTEMS FOR REGULATION 2024**

BoS / ECE 11.4: OTHER SUGGESTIONS GIVEN BY THE BOS MEMBERS

- The number of NPTEL courses completed by the students were appreciated.
- It is suggested to introduce more number of Honor degree course in the R2024 Curriculum.
- Discussed about the internship was initiated and it was intimated that is offered in the 6th semester.
- Discussed about the inclusion of Open Elective courses in 3rd semester onwards.
- It is suggested to complete NPTEL course as mandatory, so that students will replace in Open Elective/Professional Elective.
- Suggested to revamp the Professional Elective courses.
- Insisted that Professional Core, Professional Elective, Honor degree courses and NPTEL courses should not overlapped.
- Asked for the reason for Control System course in 5th semester and Microprocessor and Micro controller Course in 4th semester.
- Asked for the reason for combing the Analog and Digital Electronics Lab.



Department of Electronics and Communication Engineering

- Suggested to include English course syllabus content with Group Discussion that will be help in placements.

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 R2024-Curriculum And Syllabus for 1st and 2nd Semester UG- Electronics and Communication Engineering.
- RESOLVED TO APPROVE NPTEL course list for 2024-2025 ODD Semester.
- RESOLVED TO APPROVE the Curriculum and Syllabus Of PG-Communication Systems for Regulation 2024

The Chairman thanked all the members for their suggestions and substantial inputs provided in the meeting. Finally, the meeting ended with a vote of thanks by Mrs.M.J.Amala, AP/ECE.


MEMBER SECRETARY
BOARD OF STUDIES




CHAIRMAN
BOARD OF STUDIES



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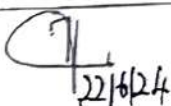





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Department of Electronics and Communication Engineering

Attendance Sheet - Table of Members

External Members present:

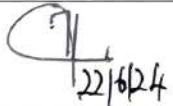
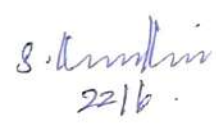

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2	One Expert nominated by the Vice Chancellor from a panel of six recommended by the college Principal	Dr. S. Baulkani, Professor, Department of Electronics and Communication Engineering, Government College of Engineering, Tirunelveli	 22/10
3	Two experts in the subject from outside the college nominated by the Academic Council	Dr.S.Anand Sreekantan Thampy, 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.	
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Department of Electronics and Communication Engineering

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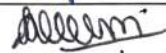





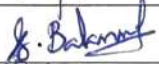
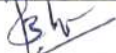


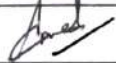
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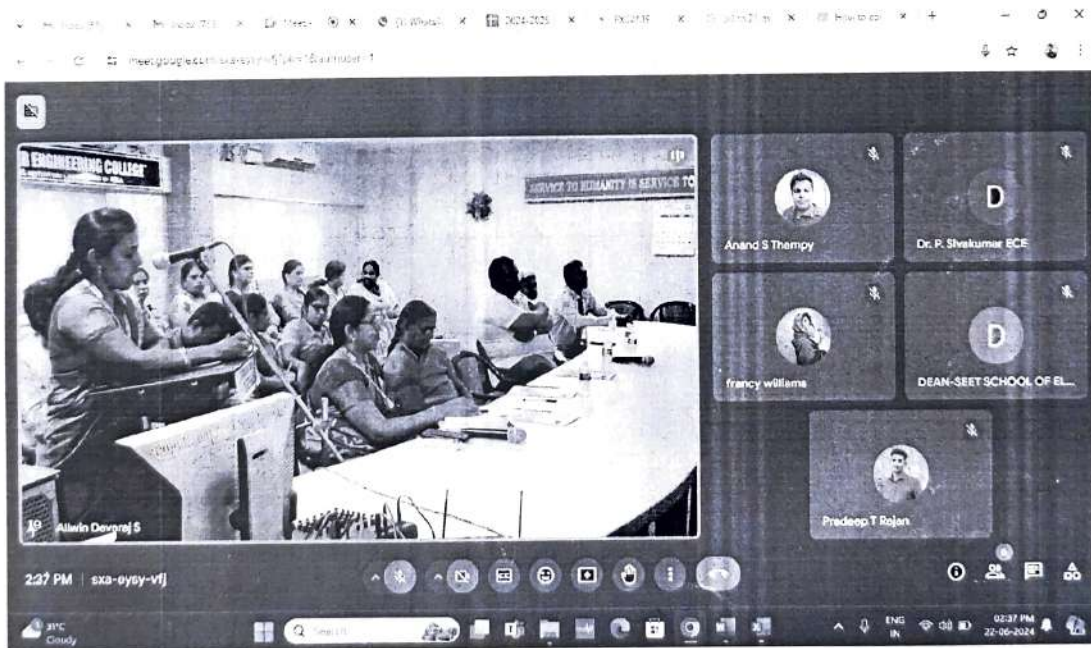
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8	Dr.R.Prem Ananth	Asso. Prof/ECE	
9	Dr.S.Allwin Devaraj	Asso. Prof/ECE	
10	Mrs.Francy Irudaya Rani	Asst. Prof/ECE	
11	Dr. M.V.Rajee	Asst. Prof/ECE	
12	Mr.B.Pradheep T Rajan	Asst. Prof/ECE	
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17	Mrs.U.Lenin Marksia	Asst. Prof/ECE	AB
18.	Mrs.Valli Suseela	Asst. Prof/ECE	
19.	Mrs.Vanitha	Asst. Prof/ECE	
20.	Mrs.Amala	Asst. Prof/ECE	



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Department of Electronics & Communication Engineering on 22nd June, 2024 at 02.00 p.m through both Offline and Online mode (Meeting Link: <https://meet.google.com/sxa-ey5y-vfj>)





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Department of Electronics and Communication Engineering

Meeting ID: 802 2025 1111

Alwin Devraj S (Presenting)

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

11th BOARD OF STUDIES MEETING

DATE: 22.06.2024 Venue: Presentation Hall

2:40 PM | sxo-cysy-vfj

Participants: Anand S Thampy, Dr. P. Sivakumar ECE, francy williams, DEAN-SEET SCHOOL OF ELECTR..., Alwin Devraj S, Pradeep T Rajan

Meeting ID: 802 2025 1111

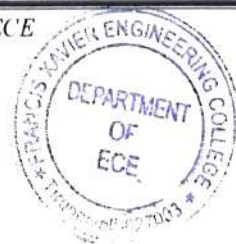
Alwin Devraj S (Presenting)

Agenda

ITEM NO.	PARTICULARS
ITEM 1.1	Introductory Remarks
ITEM 1.2	Tenth BOS Meeting Minutes
ITEM 1.3	Tenth Board of Studies Meeting - Action Taken Report
ITEM 1.4	Regulation 2024 Curriculum & Syllabi for Last Two Semesters
ITEM 1.5	2021-2025-000 Semester NPTEL courses
ITEM 1.6	PG Regulation 2021 - M.E Communication Systems - Amendment 2024
ITEM 1.7	Other discussions

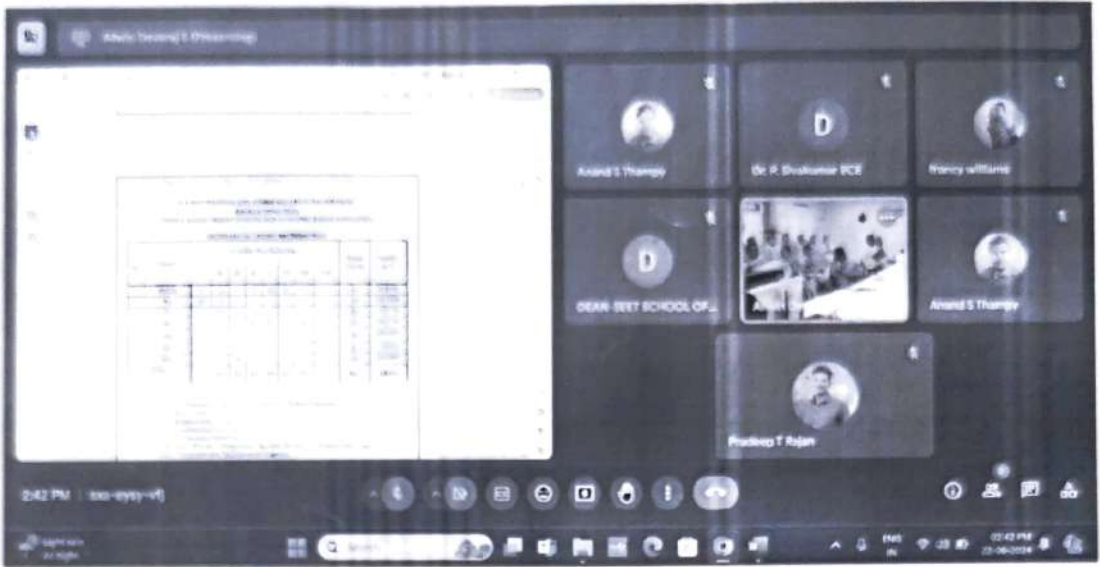
2:40 PM | sxo-cysy-vfj

Participants: Anand S Thampy, Dr. P. Sivakumar ECE, francy williams, DEAN-SEET SCHOOL OF ELECTR..., Alwin Devraj S, Pradeep T Rajan

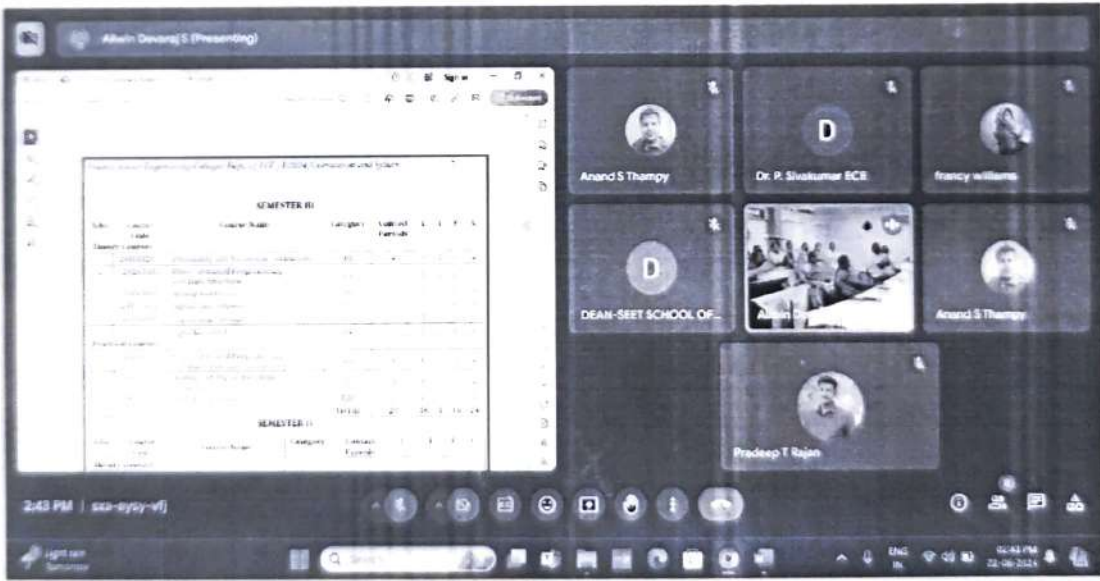


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Meeting ID: 999 999 9999 | Join by Link: <https://www.zoom.us/j/9999999999> | Meeting ID: 999 999 9999 | Meeting ID: 999 999 9999



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Department of Electronics and Communication Engineering

Alwin Davraj S (Presenting)

SEMESTER I							
S.No	Course Code	Course Name	Category	Contact Periods	L	T	P
1	20A027	Analog Electronics (I)	LV	2	0	0	1
2	20A028	Digital Electronics (I)	LV	2	0	0	1
3	20A029	Microprocessors (I)	LV	2	0	0	1
4	20A030	Mathematical Methods for Engineers	LV	2	0	0	1
5	20A031	Advanced Mathematics (I)	LV	2	0	0	1
6	20A032	Professional English (I)	LV	2	0	0	1
7	20A033	Professional English (I)	LV	2	0	0	1
8	20A034	Professional English (I)	LV	2	0	0	1
Practical Courses							
9	20A035	Computer Graphics Laboratory I	LV	1	0	0	2
Total				25	0	0	13

2:50 PM | sxa-eyss-vfj

Alwin Davraj S (Presenting)

SEMESTER II							
S.No	Course Code	Course Name	Category	Contact Periods	L	T	P
1	20A036	Microprocessors (II)	LV	2	0	0	1
2	20A037	Mathematical Methods for Engineers	LV	2	0	0	1
3	20A038	Professional English (II)	LV	2	0	0	1
Practical Courses							
4	20A039	Discrete Time	LV	12	0	0	12
5	20A040	Time Experiment	LV	1	0	0	2
Total				22	0	0	16

SEMESTER III							
S.No	Course Code	Course Name	Category	Contact Periods	L	T	P
Practical Courses							
1	20A041	Discrete Time	LV	12	0	0	12
2	20A042	Time Experiment	LV	1	0	0	2
Total				24	0	0	14

francy williams has left the meeting

2:51 PM | sxa-eyss-vfj



Department of Electronics and Communication Engineering

B.E. ELECTRONICS AND COMMUNICATION ENGINEERING REGULATIONS 2024
 CREDIT BASED CREDIT SYSTEM AND OUTCOME BASED EDUCATION

SUMMARY OF CREDIT DISTRIBUTION

S. No	Category	Credits Per Semester							Total Credit	Credits in %
		I	II	III	IV	V	VI	VII		
1	HSSN	3	3	2	0	2	2	14	8.98%	
2	HS	10	4	4	2	0	0	10	10.78%	
3	ES	13	10	5	0	0	0	28	35.57%	
4	PC	0	24	17	10	0	0	51	59.78%	
5	PE	0	0	0	3	3	6	12	7.19%	
6	OE	0	0	1	3	3	3	10	10.78%	
7	ES	0	0	2	1	1	1	5	5.37%	
	Total	25	57	24	23	23	0	107	100%	

HSSN: Electives in Social Sciences under the Minor and
 HS: Electives
 ES: Engineering Sciences
 PE: Professional Elective
 OE: Open Elective
 PC: Professional Core
 PE: Professional Elective
 OE: Open Elective
 PC: Professional Core
 PE: Professional Elective
 OE: Open Elective
 PC: Professional Core

S.No	Course Code	Course Name	Category	Credit Periods	I	T	P	C
Theory Courses								
1	21EE1001	Basic and Digital Communication	PC	3	3	0	0	6
2	21EE1002	Network Theory	PC	3	3	0	0	6
3	21EE1003	Electronics and Communication Systems	HSSN	2	2	0	0	4
4	21EE1004	Signals and Systems	HS	3	2	0	0	5
5	21EE1005	Microcontroller and Interfacing	PC	3	3	0	0	6
Practical Courses								
6	21EE1006	Basic and Digital Communication Lab	PC	2	2	0	0	4
7	21EE1007	Network Theory Lab	PC	2	2	0	0	4
8	21EE1008	Signals and Systems Lab	HS	2	0	0	0	2
9	21EE1009	Microcontroller and Interfacing Lab	PC	2	0	0	0	2
		Total		32	19	0	0	51



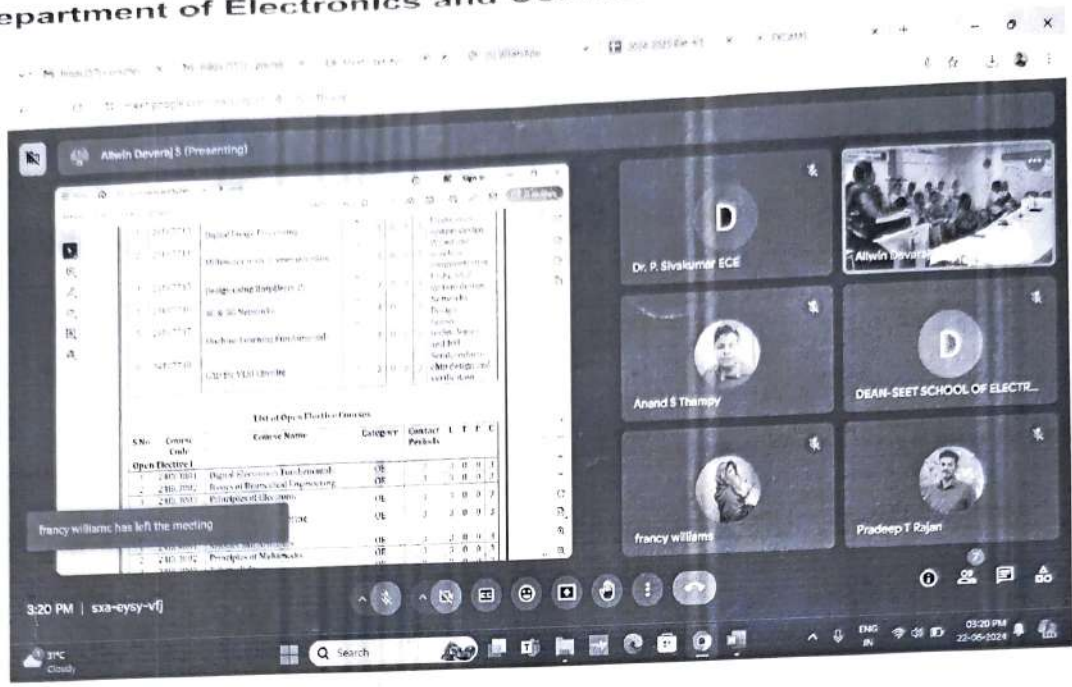
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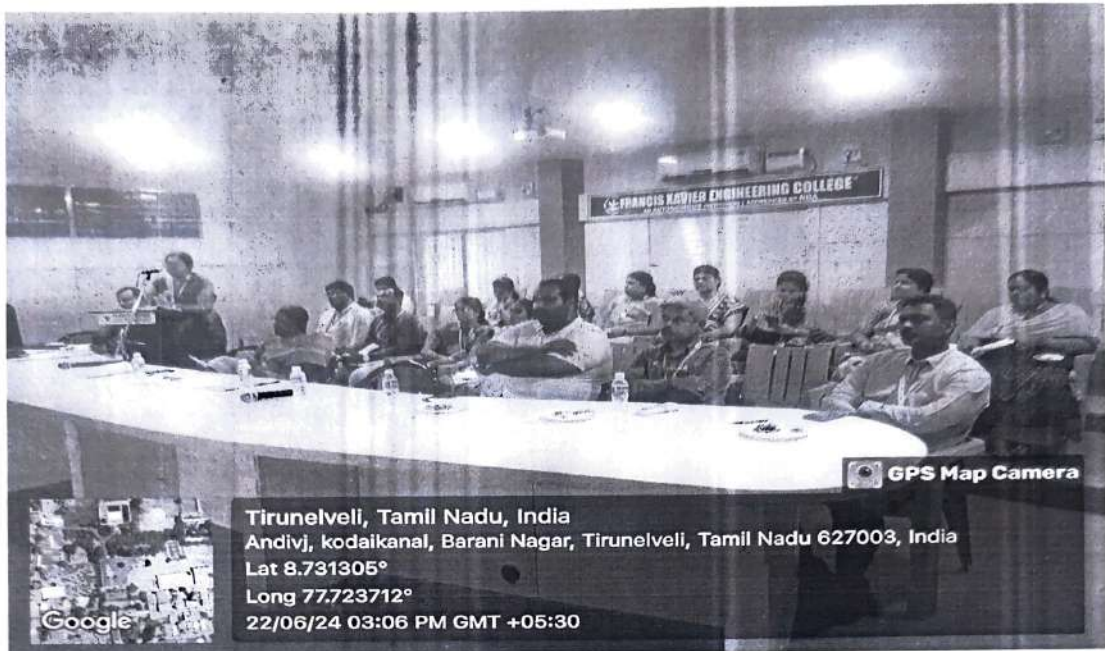
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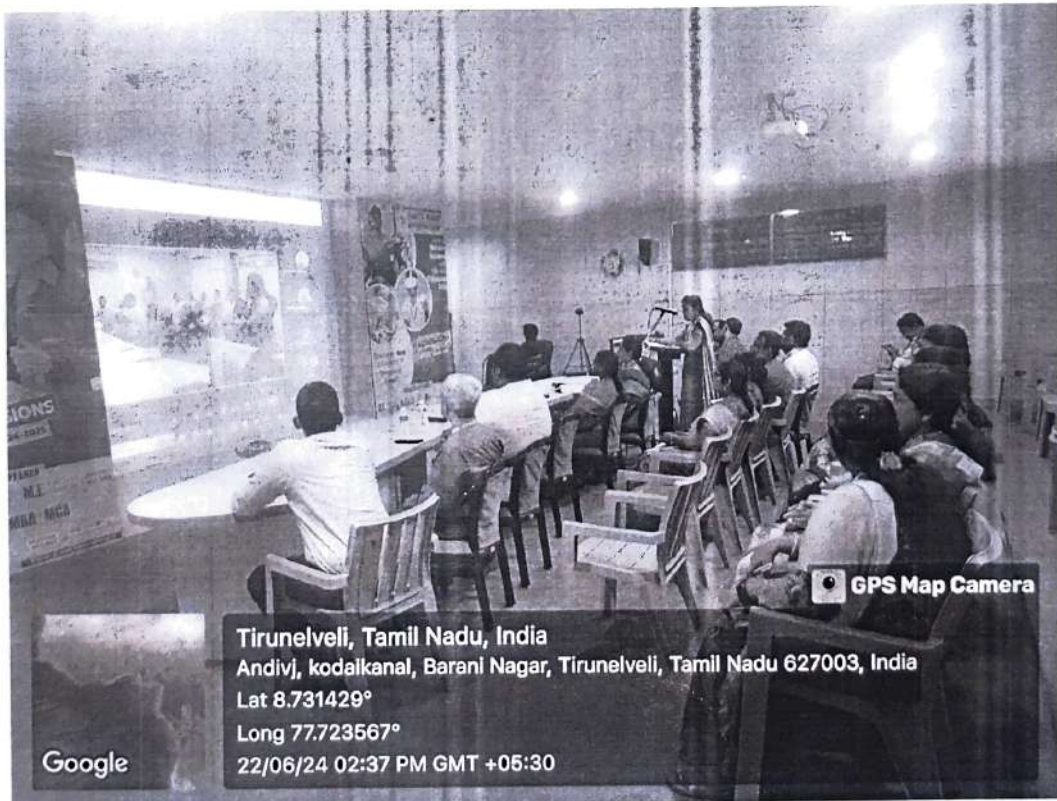
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ANNEXURE - I

Minutes of 10th Board of Studies Meeting – Action Taken Report

S.NO	Suggestions
1	NPTEL course completed and applied for credit transfer has been discussed for 2021-2022 (Odd & Even), 2022-2023 (Odd & Even), 2023-2024 (Odd) were discussed.
2	Number of students completed, test project evaluation details for the Skill based Value Added Course (SVAC) in the 2023-2024 Odd semester was presented for 2023-2024 odd semester.
3	The Board Chairman presented that R2024 is being framed based on following verticals Electronics, Communication, Semiconductor, Networking, Embedded Systems and RF Technologies. The faculties will be grouped based on the verticals along with industry expert, alumni members to frame Industry Supported Curriculum.



ANNEXURE -II

List of NPTEL Courses

S. No	Course ID	Course Name	Start Date	Joining link
1	noc24-cs88	Artificial Intelligence : Search Methods For Problem solving	July 22, 2024	https://onlinecourses.nptel.ac.in/noc24_cs88/preview
2	noc24-cs118	Cloud Computing	July 22, 2024	https://onlinecourses.nptel.ac.in/noc24_cs118/preview
3	noc24-cs121	Cyber Security and Privacy	July 22, 2024	https://onlinecourses.nptel.ac.in/noc24_cs121/preview
4	noc24-cs94	Ethical Hacking	July 22, 2024	https://onlinecourses.nptel.ac.in/noc24_cs94/preview
5	noc24-cs95	Introduction to Industry 4.0 and Industrial Internet of Things	July 22, 2024	https://onlinecourses.nptel.ac.in/noc24_cs95/preview
6	noc24-ee152	5G Wireless Standard Design	July 22, 2024	https://onlinecourses.nptel.ac.in/noc24_ee152/preview
7	noc24-ee111	Analog VLSI Design	July 22, 2024	https://onlinecourses.nptel.ac.in/noc24_ee111/preview
8	noc24-ee117	Electrical Measurement and Electronic Instruments	July 22, 2024	https://onlinecourses.nptel.ac.in/noc24_ee117/preview
9	noc24-ee146	Machine Learning and Deep Learning - Fundamentals and Applications	July 22, 2024	https://onlinecourses.nptel.ac.in/noc24_ee146/preview
10	noc24-ee104	Principles and Techniques of Modern Radar Systems	July 22, 2024	https://onlinecourses.nptel.ac.in/noc24_ee104/preview
11	noc24-ee114	Fundamentals of Nano and Quantum Photonics	July 22, 2024	https://onlinecourses.nptel.ac.in/noc24_ee114/preview
12	noc24-ee108	Fabrication Techniques for MEMS-Based Sensors : Clinical Perspective	July 22, 2024	https://onlinecourses.nptel.ac.in/noc24_ee108/preview
13	cec24_cs12	Data Mining	July 22, 2024	https://onlinecourses.swayam2.ac.in/cec24_cs12/preview

