



Department of Electronics and Communication Engineering	
Topic of the Meeting: Board of Studies	Meeting No: IFET/BoS/2024-25/01
Meeting Date and Time: 17.04.24 @ 10.30 am Venue: Research Centre	Host Name with Designation: Dr. M. Margarat, Chairman, BoS/ECE
Participants Name with Designation: The names of members present in the Board of Studies is given in Annexure-I	
Previous Meeting Follow-Up The follow-up on the previous meeting suggestions has been successfully incorporated in Regulation 2019A Curriculum and Syllabi: <ul style="list-style-type: none">The following revision is proposed in IFETCE-R2023 Curriculum and Syllabi, applicable for the students admitted in the Academic Year 2023-24 onwards.	
✦ <u>I Semester:</u> <ul style="list-style-type: none">Sensitisation to Universal Human Values – I was replaced by Sensitisation to Universal Human Values – II with three credits.Product development lab – I syllabus is reframed.	
✦ <u>III Semester:</u> <ul style="list-style-type: none">Probability, Random Processes and its Applications course offered by Science and Humanities department in third semester with credit 3 was upgraded to 4 credits.	
✦ <u>IV Semester:</u> <ul style="list-style-type: none">Digital Communication and Analog and Digital Communication Laboratory courses are moved to fifth semester.The credit of Control System course is changed to 3.	
✦ <u>V Semester:</u> <ul style="list-style-type: none">Microprocessor Architectures and Microcontrollers Integrated course (4 Credits) is moved to fourth semester and split into theory course with 3 credits and laboratory course with 1.5 credits.Open elective – I is shifted from semester VI to semester V.Foundations of Artificial Intelligence and Machine Learning Integrated course of 4 credits is split into theory course with 3 credits and laboratory course with 1.5 credits.	
✦ <u>VI Semester:</u> <ul style="list-style-type: none">The theory courses named “Digital Signal Processing and VLSI System Design” are moved to semester VI.	
✦ <u>VII Semester:</u> <ul style="list-style-type: none">The Professional Ethics course credit is changed to 3The course Sensitisation to Universal Human Values – II is removed.	
✦ <u>Other Department changes:</u> <ul style="list-style-type: none">The topic “Mod 3 and Mod 5 counters” in Unit II of 23EC2301-Digital Principles and Computer Organization course is changed as “Mod N Counters”	
✦ <u>General Changes:</u> <ul style="list-style-type: none">Couse end survey, student feedback, faculty feedback and other feedbacks can be collected using Google forms for every semester.Withdrawal of Special Courses in IV & VI semester. <ul style="list-style-type: none">The Programme Outcomes for IFETCE-R2023 have been reframed.	
Business Brought forward by the Chairperson: <ol style="list-style-type: none">Dr. M. Margarat (Chairperson) welcomed the members for the 7th meeting of Board of	

Studies.

2. Chairman/BoS briefed the members about the agenda.

- To consider and approve changes in IFETCE-R2019A Curriculum
- To consider and approve the Curriculum and Syllabi for semesters III, IV (IFETCE-R2023) as Amendments.
- To review and approve the gathering of feedbacks through Google Forms.

3. Business brought forward by the Chairperson.

- The following revision is proposed in IFETCE-R2019A Curriculum and Syllabi, applicable for the students admitted in the Academic Year 2023-24 onwards.
 - One of the professional electives in sixth semester will be waive off to the students. Instead, they will undergo a 'industry supported course' offered by TVS.
 - Revision in the syllabus of a professional elective course 'Signal Integrity for High-Speed Design'.
- The following revision is proposed in IFETCE-R2023 Curriculum and Syllabi, applicable for the students admitted in the Academic Year 2023-24 onwards.
 - Syllabus for semester 3 and 4 has been approved.

Minutes:

Regulation R2019A

- A new vertical under professional elective has been introduced for industry supported courses, which includes the subject '**Advanced electronics and IoT integration**' by TVS group.
- Specialization in the professional elective course has been introduced, featuring 'Industry Supported Courses' offered by various industries.
- Syllabus of a professional elective course '19UECPEX04 - Signal Integrity for High-Speed Design' has been revised.

(Details attached in Annexure - II)

Regulation R2023

Semester 3:

- 23EC3401 Digital Electronics:
 - Instead of HDL, specify the topic as Verilog HDL, Include latest memory chips in unit 5
- 23EC3402 Electronic Circuits
 - Small signal analysis, Class C and D to be included in syllabus.
 - Unit 5 should be rearranged as 'Differential amplifiers – BJT & MOS Differential Pair – Small signal analysis'
 - Power amplifier topic should be moved from unit 4 to 5.
- 23EC3L01 Analog and Digital circuits lab:
 - In Experiment no.8 '3-bit' can be removed and Experiment no.5 should include flip flops.
 - Combine experiment 5 and 6.
 - The following experiments to be included - mux/demux, shift register, multivibrator, Schmitt trigger and counter in 'Analog and Digital circuits lab'.

- In Simulation experiments, titles to be changed as 'Simulation using SPICE and Simulation using Verilog-HDL'

Semester 4:

- 23EC4402 Linear Integrated Circuits:
 - In unit 4 'SMPS' to be included, in unit 2 'slew rate' to be removed, name of the unit 2 to be changed.
 - Unit 5 the topics to be ordered as 'dual slope – flash – successive approximation (ADC)'.
- 23EC4404 Control System Engineering:
 - In the course control system, digital control systems can be included in unit 4 and 5.
- 23EC4L01 LIC Lab:
 - Experiment title to be kept simple.
- 23EC4L02 Microprocessor Architecture and Microcontrollers lab:
 - Introduction to IoT board can be given as last experiment.

General:

- Latest Edition books to be included for all courses.

(Details attached in Annexure - III)

The Chairman, Board of Studies thanked all the members for their valuable suggestions and coordination.

Resolutions:

- It is resolved to recommend the syllabus of R2023 of B.E – Electronics and Communication Engineering Programme to the Academic Council for approval after modifications.
- It is resolved that all such modifications as suggested by members shall be incorporated and the final course structure shall be sent to the members through e-mail for their observation and recommendation, if any.

Minutes Prepared by : Mrs. P. Dharani Devi, ASP/ECE

Approved by : Dr. M. Margarat / Chairman-BoS (ECE)

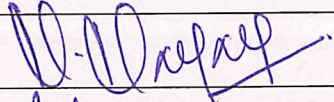
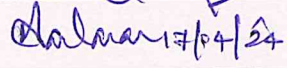

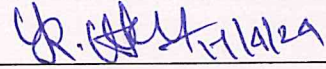

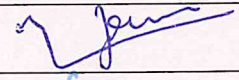
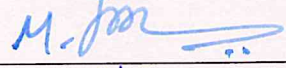
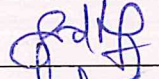

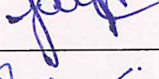
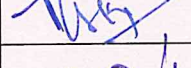
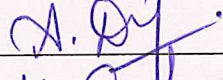
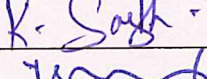
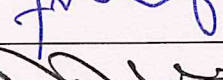
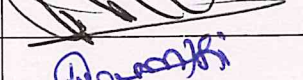
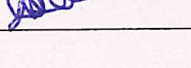


IFET COLLEGE OF ENGINEERING

SEVENTH BOARD OF STUDIES

Department of Electronics and Communication Engineering

The Board of Studies meeting for the UG programme of Department of Electronics and Communication Engineering successfully ended and the Curriculum and Syllabus was approved in the Board of Studies meeting held on 17.04.2024

Members of Board		Signature
Dr. M. Margarat	Chairperson	
Dr. M. Tamilarasi	Anna University Nominee	 17/04/24
Dr. M. Bhaskar	Academic Council Nominee	 17/04/2024
Dr. S. Renuga Devi	Academic Council Nominee	
Mr. K. Muthuswamy	Industrialist	 17/04/24
Ms. H. Sumitha	Alumni Member	
Dr. B. Elizabeth Caroline	Member	
Dr. U. Palani	Member	
Dr. M. Saravanan	Member	
Dr. J. Vidhya	Member	
Dr. S. Mohamed Nizar	Member	
Dr. S. Jayalakshmy	Member	
Dr. D. Prabakaran	Member	
Dr. A. Devi	Member	
Dr. K. Sagadevan	Member	
Mr. A. Sagaya Selvaraj	Member	
Mr. A. Jayakumar	Member	
Mrs. D. Vasanthi	Member	



IFET COLLEGE OF ENGINEERING

Mr. M. Arul Pugazhendhi	Member	<i>[Signature]</i>
Ms. R. Gomathi	Member	<i>[Signature]</i>
Ms. S. Kalpana	Member	<i>[Signature]</i>
Mrs. K. Bhuvaneshwari	Member	<i>[Signature]</i>
Mrs. P. Dharani Devi	Member	<i>[Signature]</i>
Mrs. T. Sivasakthi	Member	<i>T. S. Sivasakthi</i>
Ms. G. Premalatha	Member	<i>G. Premalatha</i>
Ms. S. Shalini	Member	<i>S. Shalini</i>
Mr. RAD Martin Dhinakaran	Member	<i>[Signature]</i>
Mrs. K. Dhivya	Member	<i>K. Dhivya</i>
Mrs. M. Jayasudha	Member	<i>— ML —</i>
Mrs. M. Narmadha	Member	<i>M. Narmadha</i>
Mrs. K. Keerthiga	Member	<i>[Signature]</i>
Mrs. P. Ranjitha	Member	<i>[Signature]</i>
Ms. K. Sheela	Member	<i>[Signature]</i>



Sixth BoS Meeting Minutes – Dept of ECE, IFETCE

ANNEXURE – I

The fifth meeting of the Board of Studies in Faculty of Electronics and Communication Engineering was held on 25.03.2022.

The following members were present


1. Dr.M.Tamilarasi, Anna University Nominee
2. Dr.M.Bhaskar, Academic Council Nominee
3. Dr.S.Renuga Devi, Academic Council Nominee
4. Mr.K.Muthusamy, Industrialist
5. Dr.M.Margarat, Chairperson, IFET College of Engineering, Villupuram
6. Dr.B.Elizabeth Caroline, Professor, IFET College of Engineering, Villupuram
7. Dr.U.Palani, Professor/ECE, IFET College of Engineering, Villupuram
8. Dr.M.Saravanan, Professor/ECE, IFET College of Engineering, Villupuram
9. Dr.J.Vidhya, Associate professor/ECE, IFET College of Engineering, Villupuram.
10. Dr.R.Senthil Kumaran, Associate professor/ECE , IFET College of Engineering, Villupuram
11. Dr.S.Mohamed Nizar, Associate professor/ECE, IFET College of Engineering, Villupuram
12. Dr.S.Jayalakshmy, Associate professor/ECE, IFET College of Engineering, Villupuram
13. Dr.D.Prabakaran, Associate professor/ECE, IFET College of Engineering, Villupuram
14. Mr.A.Sagaya Selvaraj, Associate professor/ECE , IFET College of Engineering, Villupuram
15. Mr.A.Jayakumar, Associate professor/ECE, IFET College of Engineering, Villupuram
16. Mrs.D.Vasanthi, Associate professor/ECE, IFET College of Engineering, Villupuram
17. Mr.M.Arulpugazhendhi, Associate professor/ECE, IFET College of Engineering, Villupuram
18. Mrs.R.Gomathi, Associate professor/ECE , IFET College of Engineering, Villupuram
19. Mr.K.Sagadevan, Associate professor/ECE , IFET College of Engineering, Villupuram
20. Mr.K.Suresh Kumar, Associate professor/ECE , IFET College of Engineering, Villupuram
21. Mrs.S.Kalpana, Associate professor/ECE, IFET College of Engineering, Villupuram.


CHAIRPERSON,
Board of Studies,
Department of ECE
IFET College of Engineering,
Villupuram.605108

22. Mrs.K.Bhuvaneshwari, Associate professor/ECE, IFET College of Engineering, Villupuram.
23. Mrs.P.Dharani Devi, Associate professor/ECE, IFET College of Engineering, Villupuram.
24. Mrs.A.Devi, Associate professor/ECE, IFET College of Engineering, Villupuram.
25. Mrs.T.Sivasakthi, Associate professor/ECE, IFET College of Engineering, Villupuram.
26. Mrs.G.Premalatha, Senior Assistant professor/ECE, IFET College of Engineering, Villupuram.
27. Mrs.K.Dhivya, Senior Assistant professor/ECE, IFET College of Engineering, Villupuram.
28. Mr.RAD Martin Dhinakaran, Senior Assistant professor/ECE, IFET College of Engineering, Villupuram
29. Mrs. S.Jagatheeshwari, Assistant professor/ECE, IFET College of Engineering, Villupuram.
30. Mrs.S.Shalini, Assistant professor/ECE, IFET College of Engineering, Villupuram
31. Mrs.M.Jayasudha, Assistant professor/ECE, IFET College of Engineering, Villupuram.
32. Ms.M.Narmadha, Assistant professor/ECE, IFET College of Engineering, Villupuram.
33. Mrs.K.Keerthiga, Assistant professor/ECE, IFET College of Engineering, Villupuram.
34. Ms.P.Ranjitha, Assistant professor/ECE, IFET College of Engineering, Villupuram.
35. Ms.K.Sheela, Assistant professor/ECE, IFET College of Engineering, Villupuram.

Special Invitees

1. The Chairperson / BOS in Faculty of Civil,
2. The Chairperson / BOS in Faculty of EEE,
3. The Chairperson / BOS in Faculty of CSE,
4. The Chairperson / BOS in Faculty of MECH,
5. The Chairperson / BOS in Faculty of IT,
6. The Chairperson / BOS in Faculty of AIDS,
7. The Chairperson / BOS in Faculty of AIML,
8. The Chairperson / BOS in Faculty of CSE(CS),
9. The Chairperson / BOS in Faculty of S&H,
10. The Controller of Examinations


CHAIRPERSON,
Board of Studies,
Department of ECE
IFET College of Engineering,
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