



PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH 44, PACHAL, NAMAKKAL-637018

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

STAKE HOLDERS FEED BACK ANALYSIS REPORT

Academic Year 2021-2022

Date:15.07.2021








Feedback was requested from following Stake holders

S.No	Stake Holders	No of feedback form received
1.	Students	46
2.	Teachers	12
3.	Alumni	05
4.	Employer	05

Course	Recommended by	Recommendation	Action Taken
Students Feedback			
Digital Electronics	V.Dhanavarshini	To include Latches topic so that we will be able to differentiate between Flip flop and Latches. It will also be helpful to understand the operation of counters.	To forward this suggestion for the approval of DAC.
Analog Electronics	Satya Narayanan	Additional Oscillators like Crystal and Clapp can be included	To forward this suggestion for the approval of DAC and to incorporate these changes in our syllabus.
Electromagnetic Fields and Waves	Sri Viknesh.S	To remove Oblique incidence-Reflection of plane waves since it is more complicated.	To forward this suggestion for the approval of DAC and to incorporate these changes in our syllabus.
Computer Networks	Thirupughalvan A Supraja G	Introduction to wireless communication topic may be a good understanding about WiFi, Bluetooth. To include Telephone networks in First Unit.	It will be discussed in DAC meeting.
Courses	K.Sowmiya	To include Career Development skills for our enhancement.	Students are given the option of Career development courses in their curriculum.
Professional Electives	R.Akalya	Professional electives to be categorised domain wise.	To forward this suggestion for the approval of DAC and to incorporate these changes in our syllabus.

Faculty Feedback			
Microprocessors and Microcontrollers	Mrs.C.Vanaja	PIC microcontroller and ARM processor topics can be shifted to Unit IV for the ease of students.	To forward this suggestion for the approval of DAC and to incorporate these changes in our syllabus.
Linear Integrated circuits	Dr.R.Mohana Priya	Manufacturing Process of IC, Voltage Regulators need to be included since basic fabrication process must be known to the students.	To forward this suggestion for the approval of DAC and to incorporate these changes in our syllabus.
VLSI Design	Mr.G.NandhaKumar	VLSI Design Flow, VLSI Operators - these topics can be included.	To forward this suggestion for the approval of DAC and to incorporate these changes in our syllabus.
Control Systems	Mrs.C.Vanaja	Nyquist stability criterion, Dynamic errors need to be included so that students can differentiate between static and dynamic errors. Conversion of Block diagram to Signal flow graph-adding this topic makes easier for the students for problem analysis.	To forward this suggestion for the approval of DAC and to incorporate these changes in our syllabus.
Digital Electronics	Mrs.E.Sangeetha	To include Johnson and Ring Counters.	To forward this suggestion for the approval of DAC and to incorporate these changes in our syllabus.
DSP Laboratory	Dr.S.Vijayakumar	To do one or two experiments using SCILAB.	To forward this suggestion for the approval of DAC and to incorporate these changes in our syllabus.
Analog Electronics	Mrs.E.Sangeetha	To include FET Biasing.	To forward this suggestion for the approval of DAC and to incorporate these changes in our syllabus.

Optical, Microwave and Communication	Aishwaran K Assistant System Engineer TCS Chennai (2016 Regulation)	Since Optical, Microwave and Communication lab experiments are all in one lab, it will be better if it is separated and given.	To forward this suggestion for the approval of DAC
Courses	N.Sandiyan Compliance Associate, HSR layout, Bangalore	Block Chain technology related courses may be included.	To forward this suggestion for the approval of DAC
Courses	Santha Kumar Sivasamy Lead Solution Advisor Deloitte & Touche AERS India Private Limited	Add courses related to Consumer Electronics	To forward this suggestion for the approval of DAC
Employer Feedback			
	Britto Ferdilan Team Leader Mobius365 Data Services,Coimbatore	Provide training related to product services and latest software technologies	To forward this suggestion for the approval of DAC
	Antony Arociakanathan HR TCS Chennai, Thiruthani Branch	Provide courses on Network security	To forward this suggestion for the approval of DAC
	Silviya Talent Acquisition Sutherland	Entrepreneurship Soft skills and career development, related courses could be focused	To forward this suggestion for the approval of DAC

S.No.	Name of the Member	Designation	Role	Signature
1.	Dr.M.Sudha	Professor & HOD	Chairman/BOS	
2.	Dr.S.VijayaKumar	Professor	Member	
3.	Mrs.A.Samundeeswari	Associate Professor	Member	
4.	Dr.R.Mohana Priya	Associate Professor	Member	
5.	Mrs.C.Vanaja	Associate Professor	Member	
6.	Dr.T.Loganayaki	Assistant Professor	Member	
7.	Mr.S.Loganathan	Associate Professor	Member	


HOD, ECE


PRINCIPAL

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

MINUTES OF THE SEVENTH BOARD OF STUDIES MEETING

(ONLINE MODE)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

DATE: 24.07.2021 & TIME: 11.30 A.M.

MEMBERS PRESENT

S.NO.	NAME & DESIGNATION	POSITION IN COMMITTEE	COLLEGE/UNIVERSITY/INDUSTRY
1.	Dr.M.Sudha Professor & Head, ECE	Chairman	Paavai Engineering College
2.	Dr.K.Malathi Professor, ECE Anna University	University Nominee	CEG Campus, Anna University, Chennai
3.	Dr.D.Sriram Kumar Professor, ECE	Academic Expert	NIT Trichy
4.	Dr. Kamalraj Subramaniam Professor & HoD BME	Academic Expert	Karpagam Academy of Higher Education
5.	Mr.Pragadheeswaran Venkat Director	Industry Expert	CEO, Aries Biomedical Technology
6.	Dr.K.Manoj Prabhakaran Assistant Professor	Alumunus	School of Electronics and Communication Engineering Amrita VishwaVidyapeetham
7.	Dr.S.VijayaKumar Professor	BoS Members	Paavai Engineering College
8.	Dr.T.Aruna Professor		Paavai Engineering College
9.	Dr.S.Elango Professor		Paavai Engineering College
10.	Mrs.E.Sangeetha Associate Professor		Paavai Engineering College
11.	Mrs.A.Samundeeswari Associate Professor		Paavai Engineering College
12.	Dr.R.Mohana Priya Associate Professor		Paavai Engineering College
13.	Dr.T.Loganayaki Associate Professor		Paavai Engineering College
14.	Mr.S.Vijayakumar Associate Professor		Paavai Engineering College
15.	Mrs.C.Vanaja Associate Professor		Paavai Engineering College
16.	Mr.S.Loganathan Assistant Professor		Paavai Engineering College
17.	Mr.G.NandhaKumar Assistant Professor		Paavai Engineering College



AGENDA

1. The Curriculum and syllabus for the 5th and 6th semester of Regulations 2019 (For the students admitted during the academic year 2019-2020)
2. The Curriculum and syllabus for the 3rd and 4th semester of Regulations 2019 (For the students admitted during the academic year 2020-2021)
3. List of one credit and value-added courses.
4. Panel of examiners.
5. Courses and Syllabus offered for service departments.

Suggestions by the members





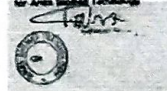

- Experts suggested to refine the title of the 4th semester course EC20403 - Linear Integrated Circuits of Regulations 2019 as Analog Integrated Circuits.
- They also added to change the title of the 4th semester course EC20405 - Linear Integrated Circuits laboratory of Regulations 2019 as Analog Integrated Circuits laboratory.
- They emphasized to include 'S parameters' concepts in Unit I, remove Voltage control oscillators, Power amplifiers concepts from Unit I in the syllabus of fifth semester course EC19502 - RF Transmission Lines.
- Experts suggested to interchange second and first units in the syllabus of fifth semester course EC19502 - RF Transmission Lines.
- Experts suggested to remove Filter fundamentals - Design of filters, Constant K- LPF, HPF and BPF Filter design, m-derived filters - Composite filters, Fundamentals of Attenuators and Equalizers from Unit II of EC19502 - RF Transmission Lines.
- They suggested that the FIR and IIR experiments of fifth semester EC19505 - DSP Laboratory course could be conducted through Guest Lecture by Industry experts.
- They suggested to include Dr.B.Venkataramani book for DSP Processors in the course EC19503 - Digital Signal Processing and also mentioned to replace the text book on "Digital Signal Processing" by Ramesh Babu in references.
- Experts suggested to include John G. Proakis book, for the course EC19501- Analog and Digital Communication in references.
- Experts suggested to remove topics based on Patterning Processes - Photolithography, Etching, Smectic LCD Modes from Unit II and Inorganic Phosphors, AC Powder Electroluminescent Displays, Organic Electroluminescent Displays from Unit III of the professional elective course EC19253 - Display Technologies.
- Latest editions could be specified in text books and reference books for the syllabus discussed.

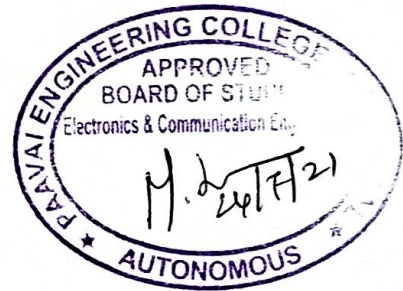


ME - Communication Systems

- PEN19101 - Research Methodology and IPR, first semester course from M.E - Communication Systems, its credit was changed from 2 to 3 along with modified syllabus and the same was ratified by the experts.
- They also suggested to conduct webinars and guest lectures using IPR officers for the PG course IPR.
- They insisted to include Teaching and Learning process in the title Pandemic Period Education for value added course and give references, links for the value-added courses.

The above suggestions were given by the members and they approved the syllabi for the 5th and 6th semester of 2019-20 admitted students, 3rd and 4th semester of 2020-2021 admitted students of Regulations 2019(CBCS), courses and syllabus offered for service departments, one credit courses, value added courses and panel of examiners.

Position in the committee	Chairman	University Nominee	Academic Expert 1	Academic Expert 2	Industry Expert	Alumunus
Name & Designation	Dr.M.Sudha Professor & Head, ECE	Dr.K.Malathi Professor, ECE Anna University	Dr.D.Sriram Kumar Professor, ECE	Dr. Kamalraj Subramaniam Professor & HoD BME	Mr.Pragadheeswa ran Venkat Director	Dr.K.Manoj Prabhakaran Assistant Professor
e-Signature						



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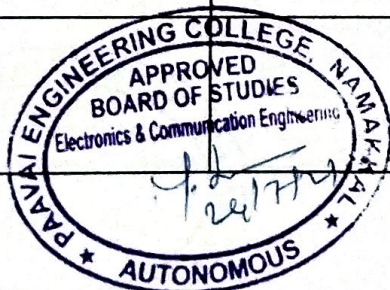
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

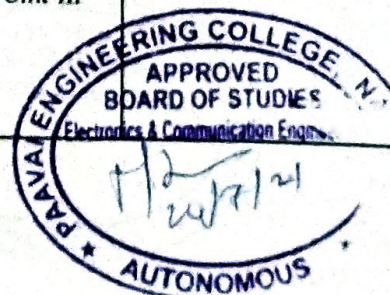
7th BOS SUGGESTIONS AND IMPLEMENTATION

UG - REGULATIONS 2019

NAME OF THE COURSE	SEMESTER/YEAR	EXISTING	SUGGESTIONS	STATUS OF IMPLEMENTATION
EC20403 - ANALOG INTEGRATED CIRCUITS	IV/SECOND	LINEAR INTEGRATED CIRCUITS	Rename Linear Integrated Circuits as Analog Integrated Circuits	Implemented
EC20405- ANALOG INTEGRATED CIRCUITS LABORATORY	IV/SECOND	LINEAR INTEGRATED CIRCUITS LABORATORY	Rename Linear Integrated Circuits as Analog Integrated Circuits Laboratory	Implemented
EC19502 - RF TRANSMISSION LINES	V/THIRD	UNIT I - RF SYSTEM DESIGN CONCEPTS UNIT II -TWO PORT NETWORK THEORY	To mention S parameters of two port network theory in the first unit. Modify the syllabus of RF.	Implemented
EC19502 - RF TRANSMISSION LINES	V/THIRD	UNIT II – TWO PORT NETWORK THEORY Review of Low frequency parameters - Impedance, Admittance, Hybrid and ABCD parameters, Different types of interconnection of Two port networks, High Frequency parameters, Formulation of S parameters, Properties of S parameters, Reciprocal and lossless Network, Transmission matrix, RF behavior of Resistors, Capacitors and Inductors; Filter fundamentals - Design of filters, Constant K- LPF, HPF and BPF Filter design, m-derived filters - Composite filters. Fundamentals of Attenuators and Equalizers.	Modify the syllabus of RF. Filter fundamentals - Design of filters, Constant K- LPF, HPF and BPF Filter design, m-derived filters - Composite filters. Fundamentals of Attenuators and Equalizers. These topics from Unit II were removed as per the suggestions and incorporated in Unit I.	Implemented
		UNIT I - RF SYSTEM DESIGN CONCEPTS Active RF components - Semiconductor basics in RF, bipolar junction	Voltage control oscillators, Power amplifiers These topics from Unit I were removed as per the	



		transistors, RF field effect transistors, High electron mobility transistors; Basic concepts of RF design, Mixers, Low noise amplifiers, transducer power gain and stability considerations.	suggestions and incorporated in Unit II with the title RF SYSTEM CONCEPTS.	
EC19505 -DIGITAL SIGNAL PROCESSING LABORATORY	V/THIRD	FIR and IIR filter design	To organize guest lectures by Industry experts to handle FIR and IIR filter design in Lab course.	Implemented
EC19503 -DIGITAL SIGNAL PROCESSING	V/THIRD	TEXT BOOKS P. Ramesh Babu "Digital Signal Processing",2007	Dr.B.Venkataramani text book could be preferred. P. Ramesh Babu "Digital Signal Processing",text book could be replaced in references.	Implemented Replacement of text book done.
EC19501 - ANALOG AND DIGITAL COMMUNICATION	V/THIRD	John G.Proakis book for Analog and Digital Communication is not mentioned in references.	John G.Proakis for Analog and Digital Communication could be preferred in references.	Implemented. John G.Proakis for Analog and Digital Communication is included.
EC19253 - DISPLAY TECHNOLOGIES	VI/THIRD	UNIT II LIQUID CRYSTAL DISPLAY Display Glasses, Inorganic Semiconductor TFT Technology, Organic TFT Technology; Transparent Conductors, Liquid Crystal Displays - Properties of Liquid Crystals, Optics and Modeling of Liquid Crystals; LCD Device Technology - Twisted Numeric and Super twisted Numeric Displays. UNIT III ADVANCED LED DISPLAYS Inorganic Phosphors, Cathode Ray Tubes, Displays - Vacuum	Few topics from Unit II and Unit III to be removed. Patterning Processes - Photolithography for Thin Film LCD, Wet Etching, Dry Etching; Fundamentals and Materials, Smectic LCD Modes from Unit II removed. Inorganic Phosphors, AC Powder Electroluminescent Displays; Organic Electroluminescent Displays from Unit III were removed.	Implemented.



		Florescent Displays, Field Emission Displays; Plasma Display Panels, LED Display Panels; Inorganic Electroluminescent Displays - Thin Film Electroluminescent Displays, AC Powder Electroluminescent Displays; Organic Electroluminescent Displays - OLEDs, Active Matrix for OLED Displays.		
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PG - REGULATIONS 2019

COURSE	SEMESTER/YEAR	EXISTING	SUGGESTIONS	STATUS OF IMPLEMENTATION
RESEARCH METHODOLGY AND IPR	I/I	GENERAL	To conduct webinars and guest lectures using IPR officers.	Implemented.

*RESEARCH METHODOLOGY AND IPR, a course from ME-Communication systems was changed from 2 to 3 credits and was ratified by the experts.

