

SETHU INSTITUTE OF TECHNOLOGY, PULLOOR, KARIAPATTI – 626 115




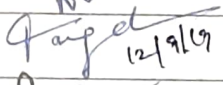
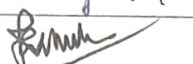
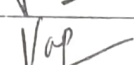

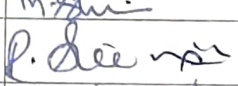
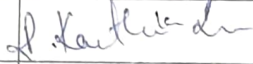



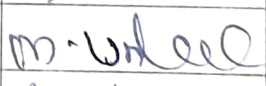




MINUTES OF 7TH MEETING OF BOARD OF STUDIES IN



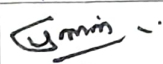


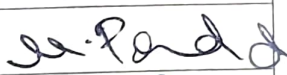
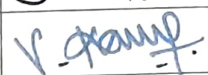

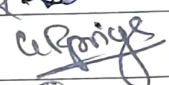
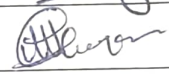

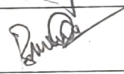
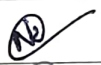

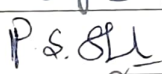
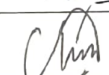
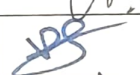

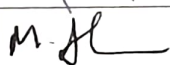
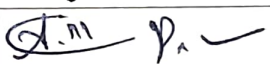

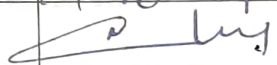
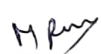

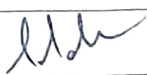
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

HELD ON 12.09.2019

The Meeting of the Board of studies in Department of Electronics and Communication Engineering was held on 12.09.2019 at 2.00 PM in ECE Seminar Hall at Sethu Institute of Technology, Pullor, Kariapatti

The following members were present

SL.NO.	Name	Designation	Status	Signature
1.	Mrs. Helina Rajini Suresh	Professor & HoD	Board Chairperson	
2.	Dr.A.Merline	Professor	Member	
3.	Dr. M.Sheik Dawood	Professor	Member	
4.	Dr.R.Tamilselvi	Professor	Member	 12/9/19
5.	Dr.K.A.Shahul Hameed	Professor	Member	
6.	Dr.P.Vasuki	Professor	Member	
7.	Dr. M.Annalakshmi	Associate Professor	Member	
8.	Mrs. R. Sivaranjani	Associate Professor	Member	
9.	Mrs. R.Karthika Devi	Associate Professor	Member	
10.	Mrs.N.R.Indira	Associate Professor	Member	
11.	Mrs.M.Ameena Banu	Associate Professor	Member	
12.	Dr.A.Yasodai	Associate Professor	Member	
13.	Dr.M.Parisa Beham	Associate Professor	Member	
14.	Dr.A.Muthukrishnan	Associate Professor	Member	
15.	Dr.S.Mohiadeen Abdul khadar	Associate Professor	Member	
16.	Dr.A.Ahila	Associate Professor	Member	
17.	Mr.S.Ramesh kumar	Assistant Professor	Member	

SL.NO.	Name	Designation	Status	Signature
18.	Mrs.S.Amalorpava Mary Rajee	Assistant Professor	Member	
19.	Mr.R.Abdul Sikkandhar	Assistant Professor	Member	
20.	Mr.B.Muthu Pandian	Assistant Professor	Member	
21.	Mrs.P.Deepa	Assistant Professor	Member	
22.	Mr.D.John Pragasam	Assistant Professor	Member	
23.	Mrs.M.Pandimadevi	Assistant Professor	Member	
24.	Mr.V.Karthik	Assistant Professor	Member	
25.	Mrs.R.Devika	Assistant Professor	Member	
26.	Mrs. G.Ramu priya	Assistant Professor	Member	
27.	Ms.M.Charanya	Assistant Professor	Member	
28.	Mr.T.Venishkumar	Assistant Professor	Member	
29.	Mr.B.Michael Vinoline Rinoj	Assistant Professor	Member	
30.	Mrs.N.Kaniamudham	Assistant Professor	Member	
31.	Mr.V.M.Kothanda Thiliban	Assistant Professor	Member	
32.	Mrs.P.S.Sharan Shree	Assistant Professor	Member	
33.	Mr.N.Godwin Cyril	Assistant Professor	Member	
34.	Mr.V.Parthasarathy	Assistant Professor	Member	
35.	Dr.R.Karthick	Assistant Professor	Member	
36.	Mr.M.Arunkumar	Assistant Professor	Member	
37.	Mr.A.Manoj Prabaharan	Assistant Professor	Member	
38.	Mr.P.Selvaprasanth	Assistant Professor	Member	
39.	Mr.A.Nagaraj	Assistant Professor	Member	
40.	Ms.M.Fathu Nisha	Assistant Professor	Member	
41.	Mrs.N.Kayal Vizhi	Assistant Professor	Member	
42.	Mr.S.Selvakumar	Assistant Professor	Member	

SL.NO.	Name	Designation	Status	Signature
43.	Mrs.S.Suba Bala Sathiya	Assistant Professor	Member	S. Suba
44.	Mr.M.Silambarasan	Assistant Professor	Member	D. Anyan
45.	Dr.R.Rajesh Kanna	Assistant Professor	Member	P. Sreenivas 12/9/19
46.	Dr.S.Rajaram	Professor/ECE, Thiyagarajar College of Engineering, Madurai	University Nominee	S.R. 12/9/19
47.	Dr. P. Sivakumar	Professor/ECE, Kalasalingam University, Krishnankoil	External Expert	S. Sivakumar 12/9/19
48.	Dr.G.Indhumathi	Professor / MEPCO Schlenk Engineering College, Sivakasi	External Expert	G. Indhumathi 12/9/19
49.	Mr.Sathyanath Premkumar	Director, Amogaa Product Private Limited, Madurai	Industrial Expert	P. Sathyanath
50.	P.G.Akila	Assistant Professor, PSNA college of Engineering, Dindigul	Alumni	P.G. Akila

SETHU INSTITUTE OF TECHNOLOGY,PULLOOR,KARIAPATTI-626115
MINUTES OF 7TH MEETING OF BOARD OF STUDIES IN DEPARMENT OF ELECTRONICS
AND COMMUNICATION ENGINEERING HELD ON 12.09.2019

The Chairman welcomed all the Board of Studies Members and the Board of Studies meeting proceeded as per the Agenda.

1.0 B.E. Electronics and Communication Engineering – 2019-2020 under Autonomous Regulation 2019:

1.1 To present the analysis of the Stakeholders' feedback regarding curriculum and syllabi

The analysis of Stakeholders' feedback regarding curriculum and syllabi was presented before the members and the same is approved by the members.

Alumni Feedback:

Stake Holder	Name	FeedBack	Remarks
Alumni (2013-17)	J.SenthilMurugan, Engineer Trainee, JasminInfotech	Suggested to include IoT	Included as program core course in R2019
Alumni (2013-17)	K.VeluPillai, Engineer Trainee, JasminInfotech	Suggested to include Python	Included as program core course in R2019
Alumni (2015-19)	DharaniBala M R Engineer Trainee, TCS	Suggested to include Machine Learning	Included as program core course in R2019

Student Feedback:

Stake Holder	Name	FeedBack	Remarks
Batch (2016-20)	V.Harrini	Suggested to include IoT	Included as program core course in R2019
Batch (2017-21)	J.Aafrinshaqthaj	Suggested to include programming in C in later semester	Included as program core course (3 rd semester) in R2019
Batch (2016-20)	A.AbdulJabbar	Suggested to include Python	Included as program core course in R2019

IndustryFeedback:

S. No.	Name of the Resource Person	Member	Contribution	Details of Implementation
1	Mr.R.Sathyanath Managing Director, Amogaa products Private limited, Madurai	BoS	Suggested to include Internet of Things	Implemented in R2019
2	Mrs.BabiyolaGithanjali Scientist, DRDO, Bangalore	--	Suggested to include Embedded Programming	Included as program core in R2019

1.2 To consider and approve the improvements (addition or deletion of Courses/Topics) to be made in the syllabi under 2015 regulation

It is resolved to approve the improvements made in the syllabi of program elective **15UEC920 - ADVANCED TRENDS IN TELECOMMUNICATION** under 2015 regulation and with the inclusion of NB-IOT in 4th unit as suggested by Mr.SathyanathPremkumar

1.3 To present Mapping of Curriculum and syllabi with Programme Specific Criteria

Mapping of Curriculum and syllabi with Programme Specific Criteria was presented before the members and was approved by the BOS members.

1.4 R2019 UG Curriculum and syllabi of I year courses

R2019 UG Curriculum and syllabi of I year courses were presented before the members.It is resolved to approve the syllabi of following I Year Courses with the following modifications.

1. Engineering Fundamentals Lab

Dr.S.Rajaram suggested replacing specific microcontroller name such as node MCU/Arduino with generic name microcontroller.

2. Electronic Devices

No change

3. Introduction to Electronics and Communication Engineering

Dr.S.Rajaram suggested including RF and Antenna concepts and reducing the content ofElectronicmeasurement topics.

4. Electronic Devices Lab

Dr.S.Rajaram suggested including experiments using simulation software. The board chairman justified that simulation experiments have been included from 4th semester

onwards and the same was accepted and approved by the BOS members.

1.5 To present the classification of courses having focus on employability/ entrepreneurship/ skill development

The classification of courses having focus on employability/ entrepreneurship/ skill development was presented before the members

19UEC302	Digital Electronics and Design
19UEC303	Circuit Theory
19UEC305	Analog circuits
19UEC402	Electromagnetic Fields and TransmissionLines
19UEC403	Signals and Systems
19UEC404	Linear Integrated circuits
19UEC405	Analog and Digital Communication
19UEC501	Digital Signal Processing
19UEC502	Microprocessors, Microcontrollers and Applications
19UEC504	Antenna and Wave Propagation
19UEC601	Wireless Communication
19UEC602	VLSI Design
19UEC603	Internet of Things
19UGS433	Interpersonal Skills laboratory

1.6 List of New Courses under Regulation 2019

The following list of new courses under R2019 has been presented and approved by the BoS members.

19UEN201	Communication skills for professionals
19UGS210	Energy and Environmental science Lab
19UPH205	Electromagnetic theory
19UMA323	Numerical Analysis and Linear Algebra
19UGS210	Energy and Environmental Science lab
19UEC205	Introduction to Electronics and Communication Engineering
19UEC304	Basic Electrical and Instrumentation Engineering
19UEC305	Analog circuits
19UEC307	Seminar
19UGM332	Biology for Engineering Applications
19UEC405	Analog and Digital Communication
19UGS433	Interpersonal Skills laboratory

19UGM431	Gender Equality
19UEC507	Creative Thinking and Innovation
19UEC607	Product development Project
19UGM632	Indian Constitution
19UEC703	Image processing and Machine learning
19UEC707	Summer Internship
19UEC709	Image processing laboratory
19UEC901	Principles of Artificial Intelligence
19UEC902	Principles of Robotics
19UEC903	Biomedical Signal and Image Processing
19UEC905	5G Technology
19UEC906	ARM System Development
19UEC907	Real Time System Design
19UEC909	Image Analysis and Video Processing
19UEC911	IOT Architecture and protocols
19UEC914	AI in VLSI Design Automation
19UEC915	Embedded Systems in Medical Devices
19UEC920	Adaptive and Smart Antennas
19UEC921	Software Defined and Cognitive Radio
19UEC922	Biomedical Instrumentation
19UEC923	ASIC and FPGA Based Design
19UEC924	Cyber Physical System (Industry Designed)
19UEC925	Block Chain (Industry Designed)
19UEC926	Sensors for IOT
19UEC927	Smart sensor networks
19UEC928	Tele Medicine

1.7 To consider and approve for the list of examiners from other colleges who could be invited for conducting practical examination/Project Viva, Question Paper Setting, Paper evaluation, Exam invigilation duties

The list of External Examiners for practical examinations, theory examinations, question paper setting and Scrutiny members has been presented and the same has been approved by the members of the Board of Studies.

1.8 Percentage if change in the Curriculum and for each course in Regulation 2019

Changes made in each course in percentage have been presented and the same has been approved by the members of the Board of Studies.

S.No.	Name of the Course	Changes made in %
1.	Digital Electronics and Design	20%
2.	Electromagnetic Fields and Transmission Lines	40%
3.	Electronic Devices Lab	10%

4.	Linear Integrated circuits	20%
5.	Wireless Communication	20%
6.	Internet of Things	40%
7.	Optical and Microwave communication	60%
8.	Communication skills for professionals	100%
9.	Energy and Environmental science Lab	100%
10.	Electromagnetic theory	100%
11.	Numerical Analysis and Linear Algebra	100%
12.	Energy and Environmental Science lab	100%
13.	Introduction to Electronics and Communication Engineering	100%
14.	Basic Electrical and Instrumentation Engineering	100%
15.	Analog circuits	100%
16.	Seminar	100%
17.	Biology for Engineering Applications	100%
18.	Analog and Digital Communication	100%
19.	Interpersonal Skills laboratory	100%
20.	Gender Equality	100%
21.	Creative Thinking and Innovation	100%
22.	Product development Project	100%
23.	Indian Constitution	100%
24.	Image processing and Machine learning	100%
25.	Summer Internship	100%
26.	Image processing laboratory	100%
27.	Principles of Artificial Intelligence	100%
28.	Principles of Robotics	100%
29.	Biomedical Signal and Image Processing	100%
30.	5G Technology	100%
31.	ARM System Development	100%
32.	Real Time System Design	100%
33.	Image Analysis and Video Processing	100%
34.	IOT Architecture and protocols	100%
35.	AI in VLSI Design Automation	100%

36.	Embedded Systems in Medical Devices	100%
37.	Adaptive and Smart Antennas	100%
38.	Software Defined and Cognitive Radio	100%
39.	Biomedical Instrumentation	100%
40.	ASIC and FPGA Based Design	100%
41.	Cyber Physical System (Industry Designed)	100%
42.	Block Chain (Industry Designed)	100%
43.	Sensors for IOT	100%
44.	Smart sensor networks	100%
45.	Tele Medicine	100%

2.0 M.E. Communication Systems – 2019-20 under Autonomous Regulation R-2019:

2.1 R2019 PG Curriculum and syllabi

R2019 Curriculum and syllabi for M.E. Communication systems were presented before the members and the members thoroughly discussed the PG Curriculum and syllabi which are to be followed from the academic year 2019-20 under autonomous regulation 2019 and it is resolved to approve the same with the following modifications.

- The Industrial Expert Mr.SathyanathPremkumar suggested that in the lab course "Antennas and radiating system lab", the number of experiments can be increased to 10 experiments.
- The Industrial Expert Mr.SathyanathPremkumarsuggested including new emerging algorithms RNN,CNN in the program elective "Pattern Recognition".
- The Industrial Expert Mr.SathyanathPremkumar suggested removing unit 3 and including nanometer technology as unit 5 in the program elective "Microelectronics and VLSI Technology" course.
- Dr. G.Indumathi enquired about the title of the program elective "Smart devices and mobile emerging technologies" and suggested to change the title as "Smart devices and "Emerging Mobile Technologies".
- Dr. G.Indumathisuggested adding more algorithms and updating unit 4 in the program core course "Advanced Communication Networks".
- Dr. G.Indumathi suggested to update unit 4 in the program core course "Wireless and mobile communication". She also suggested to include the M2M concept.

- Dr.P.Sivakumarsuggested changingUnit 5 in the program elective“Communication Protocol Engineering”.
- Dr.P.Sivakumarsuggested updating unit 1 in the program elective “Ubiquitous computing and pervasive computing”.
- The Academic Expert, Dr.S.Rajaram suggested to update contents in unit 1 and add few new topics in unit 5 in the program elective “MIMO System”.
- Dr.S.Rajaramenquired about the open elective course “IoT for Smart Applications” and suggested to change the title of unit 2 as“IoT to M2M”instead of“M2M to IoT”.
- The following common audit courses for all PG programmes were presented before BOS members and recommended for approval.
 - a) 19PGM801 – Pedagogy Studies
 - b) 19PGM802 – English for Research Paper Writing

2.2 List of New Courses under Regulation 2019

The following new program electiveshave been introduced in regulation 2019:

19PCM103	Antennas and Radiating Systemslab
19PCM104	Advanced Digital Signal ProcessingLab
19PGM701	Research Methodology and IPR
19PGM801	Pedagogy Studies
19PCM201	Advanced Communication Networks
19PCM202	Wireless and Mobile Communication
19PGM802	English for Research Paper Writing
19PCM203	Advanced Communication Networks Lab
19PCM204	Wireless and Mobile Communication Lab
19PCM205	Mini Project with seminar
19PCM504	RF Circuits and Microwave systems
19PCM513	Smart Devices and Emerging Mobile Technologies
19PCM507	Communication Protocol Engineering
19PCM508	Speech and Audio Signal Processing

2.3 Percentage if change in the Curriculum and for each course in Regulation 2019

Changes made in each course in percentage have beenpresented and the same has been approved by the members of the Board of Studies.

SEMESTER I

SL. No.	COURSE CODE	COURSE TITLE	Modified Percentage
THEORY			
1.	19PCM101	Adaptive Signal Processing	20
2.	19PCM102	Antennas and Radiating Systems	20
PRACTICAL			
3.	19PCM103	Antennas and Radiating Systems lab	100
4.	19PCM104	Advanced Digital Signal Processing Lab	100

SEMESTER II

S.No	Course Code	Course Title	Modified Percentage
THEORY			
1.	19PCM201	Advanced Communication Networks	100
2.	19PCM202	Wireless and Mobile Communication	100
PRACTICAL			
3.	19PCM203	Advanced Communication Networks Lab	100
4.	19PCM204	Wireless and Mobile Communication Lab	100

Program Electives:

S.No	Course Code	Course Title	Modified Percentage
1.	19PCM501	Wireless Sensor Networks	20
2.	19PCM502	Optical Networks	5
3.	19PCM503	Cognitive Radio	5
4.	19PCM504	RF Circuits and Microwave systems	100
5.	19PCM505	Communication network security	10

6.	19PCM506	Satellite Communication	10
7.	19PCM507	Communication Protocol Engineering	10
8.	19PCM508	Speech and Audio Signal Processing	100
9.	19PCM509	MIMO System	100
10.	19PCM510	High performance communication networks	20
11.	19PCM511	Pattern Recognition	10
12.	19PCM512	Microelectronics and VLSI Technology	100
13.	19PCM513	Smart devices and emerging mobile technologies	100
14.	19PCM515	Ubiquitous computing and pervasive computing	100
15.	19PCM516	DSP Processor Architecture and Programming	10
16.	19PCM517	Mobile and social computing	100
17.	19PCM518	Data compression	5
18.	19PCM519	Medical Imaging Techniques	5

Open Elective:

S.No	Course Code	Course Title	Modified Percentage
1.		IoT for Smart Applications	100

2.4 To present the classification of courses having focus on employability/ entrepreneurship/ skill development

The classification of courses having focus on employability/ entrepreneurship/ skill development was presented before the members

19PCM101	Adaptive Signal Processing
19PCM506	Satellite Communication
19PCM102	Antennas and Radiating Systems
19PCM301	Project Work (Phase I)
19PCM401	Project Work (Phase-II)
19PCM205	Mini Project with seminar

The Board of studies of Electronics and Communication approves and recommends the syllabi of B.E. Electronics and Communication Engineering and M.E. Communication systems to be followed from 2019-20 batch under autonomous regulations 2019 with the above modifications.


Chairman
Board of Studies
Electronics and Communication Engineering

Head Of The Department,
Electronics & Communication
Sethu Institute Of Technology,
Kariapatti-626115.

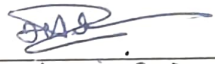
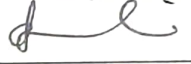


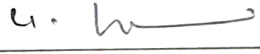



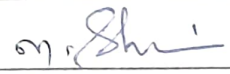

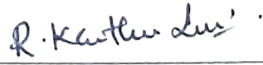




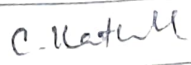
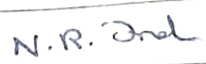
SETHU INSTITUTE OF TECHNOLOGY, PULLOOR, KARIAPATTI – 626 115

MINUTES OF 2nd MEETING OF BOARD OF STUDIES IN DEPARTMENT OF ELECTRONICS

AND COMMUNICATION ENGINEERING HELD ON 24.05.2014.

The Second Meeting of the Board of Studies in Department of Electronics and Communication Engineering was held on 24.05.14 at ECE Seminar Hall at Sethu Institute of Technology, Pulloor, Kariapatti.

The following members were present:

S.No.	NAME OF THE MEMBERS	POSITION	SIGNATURE
1.	Mrs. Helina Rajini Suresh	Chairman	
2.	Dr.A.Merline	Member	
3.	Mrs.N.M.Masoodhu Banu	Member	
4.	Dr.J.Veerappan	Member	
5.	Dr.R.Ganesan	Member	
6.	Dr.Kalpana.M	Member	
7.	Dr.A.C.Shagar	Member	
8.	Mr. M.Sheik Dawood	Member	
9.	Mrs. M.Annalakshmi	Member	
10.	Mrs. R. Sivaranjani	Member	
11.	Ms. R.Karthika Devi	Member	
12.	Mr.S.K.A.Ahamed Kandu Sahib	Member	
13.	Mrs.C.Sujatha	Member	
14.	Dr.R.Tamilselvi	Member	
15.	Mrs.M.Ameena Banu	Member	
16.	Mr.C.Karthik Sendhil Kumar	Member	
17.	Mrs.N.R.Indira	Member	

18.	Mr. S.Ramesh Kumar	Member	S. Ramesh Kumar
19.	Mrs.S.Amalorpava Mary Rajee	Member	Mary Rajee
20.	Mr.R.Abdul Sikkandhar	Member	R. Sikkandhar
21.	Ms.S.Anusuya	Member	S. Anusuya
22.	Mr.B.Muthu Pandian	Member	B. Muthu Pandian
23.	Mrs.P.Deepa	Member	P. Deepa
24.	Ms.M.Pandimadevi	Member	M. Pandimadevi
25.	Ms.Aruna Anbarasi.A	Member	A. Aruna Anbarasi
26.	Mr.D.John Pragasam	Member	D. John Pragasam
27.	Mr.S.Ramkumar	Member	S. Ramkumar
28.	Mr.V.Karthik	Member	V. Karthik
29.	Ms.R.Devika	Member	R. Devika
30.	Ms.Monisha.K	Member	M. Monisha.K
31.	Ms.M.Charanya	Member	On leave
32.	Mr.T.Venishkumar	Member	T. Venishkumar
33.	Mr.Michael Vinoline Rinoj.B	Member	M. Michael Vinoline Rinoj.B
34.	Mr.N.Rajeshkumar	Member	N. Rajeshkumar
35.	Ms.N.Kaniamudham	Member	On leave
36.	Mr.S.Balamurugan	Member	S. Balamurugan
37.	Mr.V.M.Kothanda Thiliban	Member	V. M. Kothanda Thiliban
38.	Mrs.P.Murugeswari	Member	P. Murugeswari
39.	Ms.V.Kavitha	Member	V. Kavitha
40.	Ms.P.S.Sharan Shree	Member	P. S. Sharan Shree

41.	Ms.S.Ruth Karunya	Member	S R Kar
42.	Ms.U.Manimegala	Member	U. Manimegala
43.	Ms.G.Lakshmi Priya	Member	G. Priya
44.	Dr.A.Sivanantha Raja	Member – External	A. Sivanantha Raja
45.	Dr.N.B.Bala Murugan	Member – External	N. B. Bala Murugan
46.	Mr.Anantha Velavan.T	Member- Industrial	T. Anantha Velavan
47.	Ms.Meenakshi Shanmugasundaram	Member – Alumni	M. Meenakshi Shanmugasundaram
48.	Dr.K.Bhoopathy Bagan	Member-University Nominee	K. Bhoopathy Bagan

The Chairman welcomed all the Board of Studies Members and requested the members to consider for approval the Syllabi of 2013 (UG course only) and the Curriculum & Syllabi of 2014 of the following UG and PG courses:

S.No.	Program	Course	Admitted in	Mode Full / Part Time
1	B.E	Electronics and Communication Engineering	2013-2014	Full Time
2	B.E	Electronics and Communication Engineering	2014-2015	Full Time
3	M.E	Communication Systems	2014-2015	Full Time
4	M.E	Communication Systems	2014-2015	Part Time
5	M.E	VLSI Design	2014-2015	Full Time
6	M.E	VLSI Design	2014-2015	Part Time

1.0 B.E.Electronics and Communication Engineering – 2013-14 under Autonomous Regulation 2013:

The members discussed thoroughly the fifth to eight semester syllabi of B.E. Electronics and Communication Engineering for 2013 -2014 batch under autonomous regulation 2013 and approved the same.

2.0 B.E.Electronics and Communication Engineering – 2014-15 under Autonomous Regulation 2014:

The members discussed thoroughly the new curriculum and Syllabi for **B.E. Electronics and Communication Engineering** to be followed from 2014-15 batch under autonomous regulation 2014 and offered useful suggestions. Based on the suggestions given by the members, the following resolutions are made:

- 2.1 It is resolved to change the title of 14UEC304 Electronic circuits-I as Electronic circuits in III semester
- 2.2 It is resolved to change the title of 14UEC308 Electric and Electronic circuits-I Lab as Electric and Electronic circuits lab in III semester
- 2.3 The BOS resolved to include the subject 14UGS331 Value Education and Human rights as mandatory course in III semester

- 2.4 It is resolved to combine Electronic Circuits-II and Linear Integrated circuits as 14UEC402 Analog Circuits in IV semester
- 2.5 It is resolved to shift Analog Communication from V semester to IV semester with code 14UEC405
- 2.6 It is resolved to combine Electronic circuits II and simulation lab & Linear Integrated Circuit lab as 14UEC407 Analog Circuits Lab in IV semester
- 2.7 It is resolved to include 14UEC408 signal processing and analog communication lab in IV semester
- 2.8 It is resolved to combine quantitative aptitude and qualitative aptitude into 14UGS431 qualitative and quantitative aptitude in IV semester with one credit
- 2.9 It is resolved to shift Digital Communication from VI semester to V semester with code 14UEC501
- 2.10 It is resolved to shift Data communication and networks from VI semester to V semester with code 14UEC502
- 2.11 It is resolved to change the title of Communication System lab as 14UEC507 Digital Communication Lab in V semester
- 2.12 It is resolved to shift Digital Signal Processing and Digital Signal Processing Lab from V semester to VI semester with codes 14UEC601 and 14UEC607 respectively
- 2.13 It is resolved to shift Wireless Communication systems from VII semester to VI Semester with code 14UEC602
- 2.14 It is resolved to shift project management from open choice electives to VII semester core as 14UME701 project management and finance
- 2.15 It is resolved to shift Professional ethics from open choice electives to VII semester core with code 14UME801
- 2.16 It is resolved to have specific elective for individual semesters instead of common electives
- 2.17 It is resolved to follow the Embedded and Real Time Systems, Embedded and Real Time Systems, Digital Image Processing, Satellite Communication Principles and Applications, Radar and Navigational Aids, ProjectWork as Employability Enhancement/Skill Development Courses
- 2.18 The board approved the Lab requirements of the various lab courses offered by the department of Electronics and Communication Engineering
- 2.18 The board also approved the syllabi of the following courses offered to other departments

SEMESTER IV

Course Code	Course Title	L	T	P	C
CSE & IT					
14UEC423	Microprocessor and Microcontroller	3	0	0	3
14UEC427	Microprocessor Laboratory	0	0	3	2

SEMESTER V

Course Code	Course Title	L	T	P	C
EIE, ICE & EEE					
14UEC523	Communication Engineering	3	0	0	3

SEMESTER VI

Course Code	Course Title	L	T	P	C
EIE, ICE & EEE					
14UEC624	Applied Digital Signal Processing	3	0	0	3
EEE					
14UEC628	Applied Digital Signal Processing Lab	0	0	3	2

ELECTIVES

Course Code	Course Title	L	T	P	C
IT					
14UEC953	Coding and Information Theory	3	0	0	3
CSE					
01UEC951	Digital Signal Processing and Applications	3	0	0	3
01UEC952	Analog and Digital Communication	3	0	0	3

2.19 The board also approved the syllabi of the following certification courses to be offered by the department of Electronics and Communication Engineering

2.19.1 Computer Hardware Maintenance and Trouble Shooting (50 Hrs.)

2.19.2 Electronics Home Appliances Service and Maintenance (30 Hrs.)

The Board of studies of Electronics and Communication approves and recommends the Curriculum and Syllabi of B.E. Electronics and Communication Engineering to be followed from 2014-15 batch under autonomous regulations 2014 with the above modifications.

3.0 M.E. Communication Systems – 2014-15 under Autonomous Regulation:

The members discussed thoroughly the new curriculum and Syllabi for M.E. Communication Systems for both Full time and Part time to be followed from 2014-15 batch under autonomous regulation and offered useful suggestions. Based on the suggestions given by the members, the following resolutions are made:

- 3.1 It is resolved to change the title of Advanced Digital Signal Processing as 14PCM101 Adaptive signal processing in I semester
- 3.2 It is resolved to change the title of Digital Modulation and Coding as 14PCM103 Advanced Modulation and Coding Techniques in I semester
- 3.3 It is resolved to shift Wireless and Cellular Communication Engineering from II Semester to I semester as 14PCM104 Wireless Communication Engineering.
- 3.4 It is resolved to change the title of Advanced Communication systems Lab I as 14PCM105 Communication System Design Lab in I semester
- 3.5 It is resolved to change the title of Telecommunication and Switching Architecture as 14PCM202 Telecommunication Switching and Management in II semester
- 3.6 It is resolved to shift Optical Networks from I Semester to II semester with code 14PCM203
- 3.7 It is resolved to shift Microwave Integrated Circuits from Elective to Core with code 14PCM204 in II semester
- 3.8 It is resolved to change the title of Advanced Communication Systems Lab II as 14PCM205 Microwave and Networks Lab in II semester
- 3.9 It is resolved to shift CDMA Systems from Core to Elective with code 14PCM501
- 3.10 It is resolved to include the subjects 14PCM513 Network Routing Algorithms, 14PCM518 Communication Protocol Engineering, 14PCM519 Cognitive Radio Networks, 14PCM520 Communication Network Design, 14PCM521 Digital Communication Receivers, 14PCM522 Sensor Networks as Electives

The Board of studies of Electronics and Communication Engineering approves and recommends the Curriculum and Syllabi of M.E. Communication Systems to be followed from 2014-15 batch under autonomous regulations with the above modifications.

4.0 M.E. VLSI Design – 2014 - 15 under Autonomous Regulation:

The members discussed thoroughly the new curriculum and Syllabi for **M.E. VLSI Design** for both full time and part time to be followed from 2014 - 15 batch under autonomous regulation and offered useful suggestions.

Based on the suggestions given by the members, the following resolution is made:

- 4.1 It is resolved to change the title of the Elective Advanced MOSFET Modeling as 14PVL515 Modern VLSI Devices

The Board of studies of Electronics and Communication Engineering approves and recommends the Curriculum and Syllabi of M.E. VLSI Design for both full time and part time to be followed from 2014 - 15 batch under autonomous regulations with the above modifications.

The Chairman thanked the members for their contribution and suggestions in framing the curriculum and syllabi for B.E. Electronics and Communication Engineering, M.E. Communication Systems and M.E. VLSI Design to be followed from 2014-15 under Autonomous regulations.








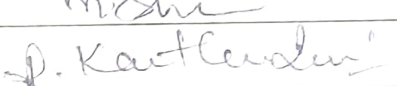


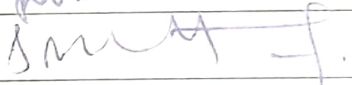
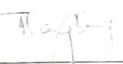
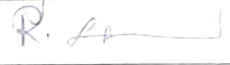
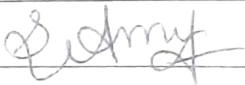



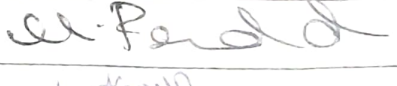


Chairman
Board of Studies
Electronics and Communication Engineering

HEAD OF THE DEPARTMENT
Electronics & Communication Engg.
Sethu Institute of Technology,
Pulloor, Kariapatti - 626 115,
Viruthunagar District.

**MINUTES OF 5th MEETING OF BOARD OF STUDIES IN DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING HELD ON 29.06.2017.**

The Meeting of the Board of Studies in Department of Electronics and Communication Engineering was held on 29.06.2017 at 11.00 in ECE Seminar Hall at Sethu Institute of Technology, Pulloor, Kariapatti.

The following members were present:

S.No	NAME OF THE STAFF	POSITION	SIGNATURE
1.	Mrs. Helina Rajini Suresh	Chairman	
2.	Dr.A.Merline	Member	
3.	Dr. M.Sheik Dawood	Member	
4.	Dr.S.K.A.Ahamed Kandu Sahib	Member	
5.	Mrs. M.Annalakshmi	Member	
6.	Mrs. R.Karthika Devi	Member	
7.	Mrs.N.R.Indira	Member	
8.	Mr.K.A.Sahul Hameed	Member	
9.	Mr. S.Ramesh Kumar	Member	
10.	Mrs.S.Amalorpava Mary Rajee	Member	
11.	Mr.R.Abdul Sikkandhar	Member	
12.	Mrs.S.Anusuya	Member	
13.	Mr.B.Muthu Pandian	Member	
14.	Mrs.P.Deepa	Member	
15.	Mr.D.John Pragasam	Member	
16.	Mrs.M.Pandimadevi	Member	
17.	Mr.V.Karthik	Member	
18.	Mrs.R.Devika	Member	

19.	Mrs.G.Ramu Priya	Member	<i>G.Ramu Priya</i>
20.	Ms.M.Charanya	Member	<i>M.Chanya</i>
21.	Mr.T.Venishkumar	Member	<i>T.Venishkumar</i>
22.	Mr B.Michael Vinoline Rinoj	Member	<i>B.Michael Vinoline Rinoj</i>
23.	Mrs.N.Kaniamudham	Member	<i>N.Kaniamudham</i>
24.	Mr.V.M.Kothanda Thiliban	Member	<i>V.M.Kothanda Thiliban</i>
25.	Mrs.P.Murugeswari	Member	<i>P.Murugeswari</i>
26.	Mrs.P.S.Sharan Shree	Member	<i>P.S.Sharan Shree</i>
27.	Ms.M.Jehosheba Margaret	Member	<i>M.Jehosheba Margaret</i>
28.	Ms.R.Jasmine Banu	Member	<i>R.Jasmine Banu</i>
29.	Mr.N.Godwin Cyril	Member	<i>N.Godwin Cyril</i>
30.	Mr.S.Gopa Kumar	Member	<i>S.Gopa Kumar</i>
31.	Mr.V.Parthasarathy	Member	<i>V.Parthasarathy</i>
32.	Mr.R.Karthick	Member	<i>R.Karthick</i>
33.	Mr.M.Arunkumar	Member	<i>M.Arunkumar</i>
34.	Mr.A.Manoj Prabakaran	Member	<i>A.Manoj Prabakaran</i>
35.	Mr.P.Selvaprasanth	Member	<i>P.Selvaprasanth</i>
36.	Dr.P.Siva Kumar ✓	Member-External	<i>P.Siva Kumar</i> 29/6/17
37.	Dr.N.B.Bala Murugan ✓	Member-External	<i>N.B.Bala Murugan</i> 29/6/17
38.	Mr.R.Sathyanath	Member-Industrial	<i>R.Sathyanath</i>
39.	Mr.S.Kabilan	Member-Alumni	<i>S.Kabilan</i>
40.	Dr.V.R.Vijaya Kumar ✓	Member-University Nominee	<i>V.R.Vijaya Kumar</i> 29/6/17

The Chairman welcomed all the Board of Studies Members and requested the members to consider for approval the syllabi (V to VIII semester) of Regulation 2015 for the following Programme:

S.No.	Program	Course	Admitted in	Mode Full / Part Time
1.	B.E	Electronics and Communication Engineering	2015-2016	Full Time

1.0 B.E.Electronics and Communication Engineering – 2017-18 under Autonomous Regulation 2015:

The members discussed thoroughly the curriculum and Syllabi (V to VIII semester) for **B.E. Electronics and Communication Engineering** to be followed from 2017-18 under autonomous regulation 2015 and offered useful suggestions. The members reviewed the Institute Vision and Mission, Department Vision and Mission, Programme Educational Objectives(PEOs) and Programme Outcomes(POs), Programme Specific Outcome(PSOs) for B.E. Electronics and Communication Engineering discipline. They also verified that the relevance of courses in the broad curricular components paved the way to meet out them.

Based on the suggestions given by the members, the following resolutions are made:

- 1.1 It is resolved to include TMS320C67XX processor in Unit V of 15UEC501-Digital Signal Processing and include Texas Instrument Manual in reference as suggested by Dr.V.R.Vijay kumar.
- 1.2 It is resolved to replace Unit V- PIC Microcontroller by ATMEL processor in 15UEC503- Microprocessors, Microcontrollers and Applications as suggested by Mr.R.Sathyanath.
- 1.3 It is resolved to include simulink based experiment in 15UEC507- Digital Signal Processing Laboratory as suggested by Dr.P.Sivakumar.
- 1.4 It is resolved to include topics on combinational circuits in Unit IV of 15UEC603- VLSI design as suggested by Dr.N.B.Balamurugan.
- 1.5 It is resolved to replace advanced microprocessors by advanced microcontrollers in 15UEC901- Advanced microcontrollers and microprocessors and change the title as Advanced microcontrollers as suggested by Mr.R.Sathyanath.

- 1.6 It is resolved to design 15UEC903-ARM processor as integrated course as suggested by Dr.V.R.Vijay Kumar.
- 1.7 It is resolved to replace 15UEC906- VLSI signal processing by Advanced digital system design as suggested by Dr.N.B.Balamurugan.
- 1.8 It is resolved to include the topic Genetic Algorithm in 15UEC908- Soft Computing Techniques as suggested by Dr.P.Sivakumar.
- 1.9 It is resolved to include Discrete wavelet transform in 15UEC909- Digital Image processing as suggested by Dr.V.R.Vijay kumar.
- 1.10 It is resolved to change the title of 15UEC917- Speech and Audio signal processing as Speech processing as suggested by Dr.N.B.Balamurugan.
- 1.11 It is resolved to include application oriented topics in 15UEC919- Nano electronics as suggested by Dr.N.B.Balamurugan.
- 1.12 It is resolved to remove unit I on IoT from 15UEC920-Advanced trends in Telecommunication as suggested by Dr.P.Sivakumar.
- 1.13 It is resolved to simplify the syllabus of open elective course 15UEC972- Remote sensing and its applications as suggested by Dr.N.B.Balamurugan.
- 1.14 It is resolved to change the title of 15UEC925- 4G technologies as Advanced wireless Technologies as suggested by Dr.V.R.Vijay kumar.
- 1.15 It is resolved to change the title of 15UEC913- Wireless communication and networks as Wireless Networks and Standards as suggested by Dr.N.B.Balamurugan.
- 1.16 The Board also approved the syllabi of the following professional elective courses:

Course Code	Course Title	L	T	P	C
15UEC904	Linear Control Engineering	3	0	0	3
15UEC915	Internet of Things	3	0	0	3
15UEC923	Advanced wireless Technologies	3	0	0	3

- 1.17 The board also approved the syllabus of the following One credit course as additional credit course under R-2014:

Course Code	Course Title	L	T	P	C
14UEC861	Internet of Things	1	0	0	1

1.18 In R2015 UG Curriculum of B.E. ECE the chairperson presented the classification of courses having focus on employability/ entrepreneurship/skill development. Also presented the newly added courses in R2015 curriculum. **The list of new courses and employability/ entrepreneurship/skill development courses has been shown below**

List of new courses

15UGS431	Reasoning and Quantitative Aptitude
15UEC908	Soft Computing Techniques
15UEC914	FPGA-Based System Design
15UEC915	Internet of Things
15UEC922	Medical Electronics
15UEC924	Artificial Intelligence And Machine Learning

List of Employability Enhancement/Skill Development Courses

15UEC208	Electronic Devices
15UEC302	Digital Electronics and Design
15UEC303	Circuit Theory
15UEC304	Electronic Circuits
15UEC305	Analog Communication
15UEC307	Digital Electronics Laboratory
15UEC402	Analog Circuits
15UEC404	Signals and Systems
15UEC405	Digital Communication
15UEC501	Digital Signal Processing
15UEC503	Microprocessors, Microcontroller and Applications
15UEC504	Data Communication and Networks
15UEC916	Satellite Communication Principles and Applications
15UEC507	Digital Signal Processing Laboratory
15UEC508	Microprocessors, Microcontroller and Applications Laboratory
15UEC601	Wireless Communication Systems
15UEC602	Antenna and Wave Propagation
15UEC909	Digital Image Processing
15UEC609	Technical Project
15UEC861	PIC Embedded Programming
15UEC862	PCB Design
15UEC864	ANDROID
15UEC915	Internet of Things
15UEC921	Embedded and Real Time Systems
15UEC804	Project Work

2.0 M.E. Communication Systems-2018-19 under Autonomous Regulation:

2.1 The members discussed thoroughly the curriculum and syllabi for M.E. Communication systems under autonomous regulation 2015 and recommended to follow the curriculum and syllabi without any modifications for the academic year 2018-19

2.2 In R2015 UG Curriculum of **M.E.COS** the chairperson presented the classification of courses having focus on employability/ entrepreneurship/skill development. Also presented the newly added courses in R2015 curriculum. **The list of new courses and employability/ entrepreneurship/skill development courses has been shown below**

List of Employability Enhancement/Skill Development Courses

15PCM101	Adaptive Signal Processing
15PCM201	Satellite Communication
15PCM205	Internship/ Industrial Training
15PCM301	Wireless Communication Engineering
15PCM303	Project Work (Phase I)
15PCM401	Project Work (Phase-II)
15PCM511	Mobile Communication Networks

The Board of studies of Electronics and Communication approves and recommends the syllabi of B.E.Electronics and Communication Engineering to be followed from 2015-16 batches under autonomous regulation 2015 with the above modifications.



Chairman

Board of Studies

Electronics and Communication Engineering

CHAIRPERSON
BOARD OF STUDIES
ELECTRONICS & COMMUNICATION ENGINEERING
SETHU INSTITUTE OF TECHNOLOGY
KARIAPATI-626 115