




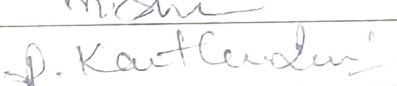


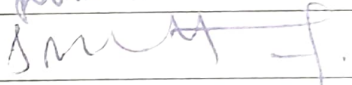
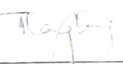
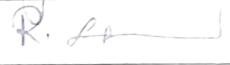
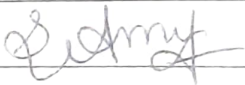



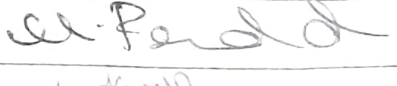




**MINUTES OF 5<sup>th</sup> MEETING OF BOARD OF STUDIES IN DEPARTMENT OF  
ELECTRONICS AND COMMUNICATION ENGINEERING HELD ON 29.06.2017.**

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</i>
20.	Ms.M.Charanya	Member	<i>M.Charya</i>
21.	Mr.T.Venishkumar	Member	<i>T.Venishkumar</i>
22.	Mr B.Michael Vinoline Rinoj	Member	<i>B.Michael</i>
23.	Mrs.N.Kaniamudham	Member	<i>N.Kaniamudham</i>
24.	Mr.V.M.Kothanda Thiliban	Member	<i>V.M.Kothanda</i>
25.	Mrs.P.Murugeswari	Member	<i>P.Murugeswari</i>
26.	Mrs.P.S.Sharan Shree	Member	<i>P.S.Sharan</i>
27.	Ms.M.Jehosheba Margaret	Member	<i>M.Jehosheba</i>
28.	Ms.R.Jasmine Banu	Member	<i>R.Jasmine</i>
29.	Mr.N.Godwin Cyril	Member	<i>N.Godwin</i>
30.	Mr.S.Gopa Kumar	Member	<i>S.Gopa</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</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**