



GOVERNMENT COLLEGE OF ENGINEERING, SALEM-11
(An Autonomous Institution Affiliated to Anna University, Chennai)
(NAAC Accredited)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

DATE: 6.9.2019

Minutes of BoS meeting held on 6-9-2019 for the PG Programme M.E.(Communication Systems)

The BoS meeting to approve 2018 Regulation Curriculum and Syllabi for the PG Programme (M.E Communication Systems) was held on 6-9-2019, 10 AM at Department of Electronics and Communication Engineering, GCE, Salem-11. The following External and Internal members were present.

S. No	Name	Affiliation
1	Dr. C. Vasanthanayaki, Professor and Head, Department of ECE, GCE, Salem.	BoS Chairperson
2	Dr. K. Gunavathi, Professor, Department of ECE, PSG College of Technology, Coimbatore – 4.	University nominee
3	Dr. P. Sasikumar, Associate Professor, School of Electronics, Vellore Institute of Technology. Vellore-14.	Subject Expert
4	Mr. Alagappan Krishnan, Director, Flextronics – GBS Engineering & Quality, Kandanchavadi, Chennai – 600096.	Industrial Expert
5	Dr. R. S. Sabeenian, Professor & Head, Department of ECE, Sona College of Technology, Salem – 5.	Alumini
6	Dr. M. Santhi, Professor(CAS), Department of ECE, Department GCE, Salem.	Member
7	Prof. T. Thenmozhi, Assistant Professor, Department of ECE, GCE Salem.	Member
8	Prof. P. Indra, Assistant Professor, Department of ECE, GCE Salem.	Member
9	Dr. G. Kavitha, Assistant Professor, Department of ECE, GCE Salem.	Member
10	Prof. I. Kalphana, Assistant Professor, Department of ECE, GCE Salem.	Member
11	Prof.K.Jayanthi Assistant Professor, Department of ECE, GCE Salem.	Member
12	Prof. P. Deepthi, Assistant Professor, Department of ECE, GCE Salem.	Member
13	Prof. D. Manibharathi, Assistant Professor, Department of ECE, GCE Salem.	Member
14	Dr.M.Dhinakaran Assistant Professor, Department of ECE, GCE Salem.	Member

The following points were discussed regarding the approval of curriculum for M.E.(Communication Systems):

- Dr.K.Gunavathi, University nominee, suggested that the course, Statistical Information Processing has to be considered as core and Statistical Information Processing laboratory has to be included as new course in order to have wide coverage in the domain of communication. Also the course, Advanced Communication Networks can be considered as elective course.

- Suggestions were given on writing a review paper, and it should be considered for evaluation of internal marks for the course, Research Methodology and IPR.
- Dr.P.Sasikumar, subject expert, stressed to avoid repetition of topics covered in the two courses, Advanced Digital Signal Processing and Statistical Information Processing.
- Also all the external experts insisted to conduct the laboratory courses effectively and evaluate the mini project and major projects with continuous reviews. Also they suggested that publishing one conference paper is mandatory.
- Also it was suggested to group elective courses so as to have the complete knowledge in the communication domain.
- Courses like Spread Spectrum Technique, Pattern Recognition and Machine learning, Smart Antennas and Wavelet signal processing courses are added in program elective list as per the suggestions given by the expert members.
- Finally, the Programme coordinator initiated the discussion on the refinement of the Vision, Mission, PSOs and necessary assessment methods for course, programme outcomes of 2018R. Necessary refinement was done and approved by the BoS.

Based on the suggestions given by the members, necessary modifications were incorporated in 2018 regulations curriculum and syllabi for the PG programme, M.E.(Communication systems).

J.Vanthi
6/9/19
BoS Chairperson/ECE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
GOVERNMENT COLLEGE OF ENGINEERING, SALEM – 636 011.

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Curriculum 2018 - Autonomous Courses

(For Students Admitted from 2019 – 20)

M.E. Communication Systems – Full Time

Course code	Name of the Course	Hours/Week						Maximum Marks		
		Category	Content descriptor	Lecture	Tutorial/Demo*	Practical	Credit	CA	FE	Total
SEMESTER I										
18COC11	Statistical Information Processing	Core	3	3	0	0	3	40	60	100
18COC12	Advanced Digital Communication Techniques	Core	3	3	0	0	3	40	60	100
18COE1X	Elective I	Elect 1	3	3	0	0	3	40	60	100
18COE2X	Elective – II	Elect 2	3	3	0	0	3	40	60	100
18COC13	Advanced Digital Communication System Lab		4	0	0	4	2	40	60	100
18COC14	Statistical Information Processing Lab	Core	4	0	0	4	2	40	60	100
18MLC01	Research Methodology and IPR	MLC	3	3	0	0	3	40	60	100
18AC1X	Audit course 1	Audit	2	0	0	0	0	100	0	100
TOTAL							19			800
SEMESTER II										
18COC21	Antennas and Radiating Systems	Core	3	3	0	0	3	40	60	100
18COC22	Advanced Digital Signal Processing	Core	3	3	0	0	3	40	60	100
18COE3X	Elective-III	Elect 3	3	3	0	0	3	40	60	100
18COE4X	Elective-IV	Elect 4	3	3	0	0	3	40	60	100
18COC23	Antennas and Radiating Systems lab	Core	4	0	0	4	2	40	60	100
18COC24	Advanced Digital Signal Processing Lab	Core	4	0	0	4	2	40	60	100
18CO205	Mini Project		4	0	0	4	2	40	60	100
18AC2X	Audit course 2	Audit	2	0	0	0	0	100	0	100
TOTAL							18			800
SEMESTER III										
18COE5X	Elective – V	Elect 5	3	3	0	0	3	40	60	100
18COE6X	Elective - VI	Elect 6	3	3	0	0	3	40	60	100
18CO301	Dissertation Phase – I		20	0	0	20	10	80	120	200
TOTAL							16			400
SEMESTER IV										
18CO401	Dissertation Phase – II		32	0	0	32	16	160	240	400

TOTAL						16		400
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Total Credits for the programme = 19 +18+16+16=69

List of Programme Electives:

Course Code	Name of Course
Elective 1	
18COE11	Multimedia Compression Technique
18COE12	Advanced Communication Networks
18COE13	Wireless Sensor Networks
Elective II	
18COE21	RF and Microwave Circuit Design
18COE22	Optical Networks
18COE23	Satellite Communication
Elective III	
18COE31	Wireless and Mobile Communication
18COE32	Pattern Recognition and Machine learning
18COE33	Voice and data networks
Elective – IV	
18COE41	Spread Spectrum Communication
18COE42	MIMO System
18COE43	High Performance Networks
Elective –V	
18COE51	Cognitive Radio
18COE52	Internet of Things
18COE53	VLSI for Wireless Communication
Elective –VI	
18COE61	Remote Sensing
18COE62	Wavelet signal processing
18COE63	Bio Mems

List of Audit Courses:

Course Code	Name of Course
Audit-I	
18AC01	English for Research Paper Writing
18AC02	Disaster Management
Audit-II	
18AC05	Constitution of India
18AC06	Pedagogy Studies
18AC08	Personality Development through Life Enlightenment Skills.