



LAKIREDDY BALIREDDY COLLEGE OF ENGINEERING (AUTONOMOUS)
L. B. Reddy Nagar, Mylavaram -521 230, Krishna Dist., A.P.
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Attainment of Course outcomes, Program Outcomes and Program Specific Outcomes

Faculty Name	:	Mr. G.L.N.MURTHY	Designation	:	Assoc. Professor
Course Name	:	Analog Communications	Academic Year	:	2015-16
Course Code	:	S125	Semester	:	IV- Semester
Program	:	B.Tech	Branch	:	E.C.E- A,B &C

COURSE OUTCOMES:

After the completion of the course, the student should be able to,

- S125.1 : Identify the areas of Amplitude Modulation Techniques in real time applications.
- S125.2 : Understand the benefits of angle modulation.
- S125.3 : Gain knowledge about noise parameters and remedial measures for improvement.
- S125.4 : Analyze and differentiate various classes of Transmitters and Receivers.
- S125.5 : Discriminate various pulse modulation techniques.

COs Assessment:

Mid-Semester Examinations

Internal Questions		Attempted					Attained				
		CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
Part-A	Q1	211	195	195	187	175	163	159	135	114	88
Part-B	Q2	166		155			101		100		
	Q3		132		142			71		104	
	Q4a	115				119	84				89
	Q4b		115					89			
Average Total		164	151	175	165	147	116	107	118	73	59
% of Co Attainment							70.73	70.86	67.43	44.24	40.14

Assignment:

Course Outcomes	Registered	Attempted	Attained	Assignment Attainment (%)
CO1	211	210	143	68.10
CO2	211	211	156	73.93
CO3	211	211	167	79.15
CO4	211	211	148	70.14
CO5	211	211	141	66.82

Semester End Examination

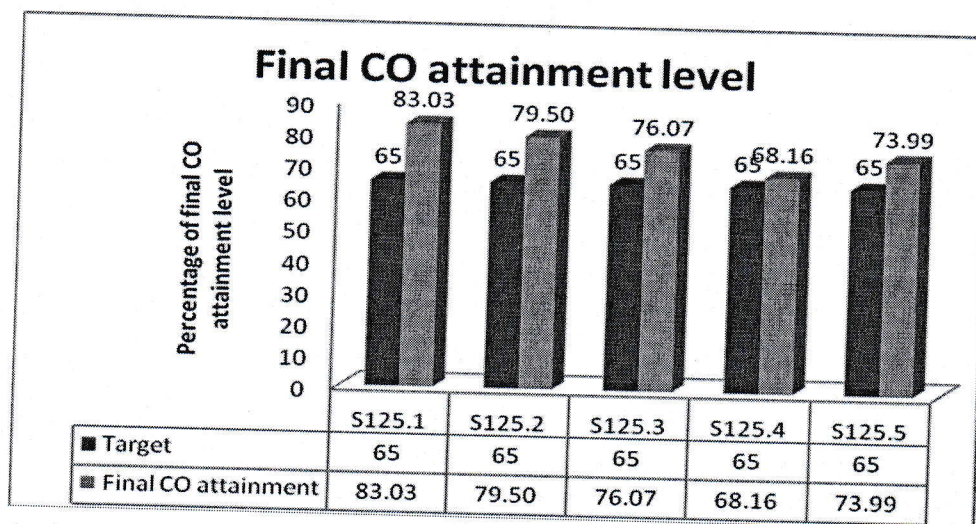
External Questions		No of Students Attempted					No of Students Attained				
		CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
Part-A	1A-1 Mark	207					207				
	1B-1 Mark		208					208			
	1C-1 Mark			208					208		
	1D-1 Mark				207					207	
	1E-1 Mark					205					205
	1F-2 Marks	204					200				
	1G-2 Marks		203					190			
	1H-2 Marks			209					132		
	1I-2 Marks				208					135	
	1J-2 Marks					206					206
Part-B	Q2A & B-15 Marks	127					86				
	Q3A & B-15 Marks		171					116			
	Q4A & B-15 Marks			139					110		
	Q5A & B-15 Marks				132					95	
	Q6A & B-15 Marks					196					148
	Q7 -15Marks			137					106		
Q8A & B -15 Marks		123									
Average Total		180	177	174	183	203	165	150	139	146	187
% of Co Attainment						91.67	84.75	79.89	79.78	91.12	

CONSOLIDATED COs ATTAINMENT

Note: The final attainment of COs is determined according to the given weightage.

Weightage for COs : 60% of Semester End Examinations + 30% of Cumulative Internal Examinations + 10% of Assignments Marks

	CO1	CO2	CO3	CO4	CO5
Target	65	65	65	65	65
Mid-Semester Examinations Assessment	70.73	70.86	67.43	44.24	40.14
Assignment Attainment	68.10	73.93	79.15	70.14	66.82
Semester End Examination assessment	91.67	84.75	79.89	79.78	91.12
Final COs Attainment	83.03	79.50	76.07	68.16	73.99



Note: Relation of course outcomes to program outcomes

CO's / PO's	AC-(S125)												PSO1	PSO2	PSO3
	1	2	3	4	5	6	7	8	9	10	11	12			
CO1	2	2	-	-	-	-	-	-	-	-	-	2	3	-	-
CO2	1	1	-	-	-	-	-	-	-	-	-	2	3	-	-
CO3	1	3	-	-	-	-	-	-	-	-	-	2	3	-	-
CO4	2	2	-	-	-	-	-	-	-	-	-	2	3	-	-
CO5	3	2	-	-	-	-	-	-	-	-	-	2	3	-	-
PO Attainment value	75.55	75.81	-	-	-	-	-	-	-	-	-	76.15	76.15	-	-

Course Instructor

2/9/2016

Course Coordinator

2/9/2016

Module Coordinator

2/9/16

HOD

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

03.12.2016

There will be a meeting of Programme Assessment committee (PAC) along with module coordinators and course coordinators on 08.12.2016 to collect views on IV semester (2014AB) attainment of Course outcomes.

Agenda:

1. Module coordinators and course coordinators views on attainment of course outcomes of IV semester
2. Any improvement in the attainment rubrics and process

Venue: ECE Seminar hall - 10.00 AM

Module Coordinators			
S. No	Module	Coordinator	Signature
1	Communications	Mr G L N Murthy	
2	Signal Processing	Mr. T Anil Raju	
5	VLSI & Embedded Systems	Mr.Y Amar Babu	
Course Coordinators(A.Y: 2015-16)-2014-AB – R14			
S. No	Course	Co-ordinator	Signature
1	AC	Mr. G.L.N.Murthy	
2	AIC	Mr. M.Sivasankara Rao	
3	CO	Mr.V.V. Rama Krishna	
4	CS	Mr. K.Sasi Bhushan	
5	DSP	Prof.B.Ramesh Reddy	
6	EMFW	Mr. K.Sasi Bhushan	
7	ES	Smt.Shaheda Niloufer	
Course Coordinators(A.Y: 2016-17)-2015-AB – R14			
S. No	Course	Co-ordinator	Signature
1	AC	Mr. G.L.N.Murthy	
2	AIC	Mr G venkata Rao	
3	CO	Mr V V Rama Krishna	
4	CS	Mr.Ch.Siva Rama Krishna	
5	DSP	Prof.B.Ramesh Reddy	
6	EMFW	Mr.V.Ravi Sekhara Reddy	
7	ES	Smt.Shaheda Niloufer	

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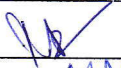

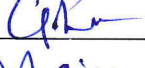
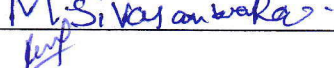



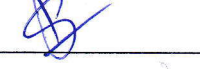
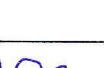


DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

08.12.2016

Minutes of the PAC meeting held on 08.12.2016:

The following are the minutes of meeting held to discuss the attainment levels of IV Semester of 2014 admitted batch.

1. It is observed that, in AC course all COs are reached to target levels.
2. In AIC, CO4 & CO5 did not reached, as more application oriented concepts were observed related to those COs.
3. It is felt that CO1 & CO4 are not up to satisfactory level in CO Course due to more theoretical concepts were included.
4. In CS, CO5 has near to target level, as poor performance in CIE examination.
5. It is observed that, CO1 is not reached in DSP Course.
6. Poor attainment levels were observed in EMFW course in CO2, CO4 & CO5, as these COs require strong electric & magnetic field basics as prerequisite.
7. In ES course, CO2 is not reached to target level.
8. Chairman concluded the meeting by suggesting respective course & module coordinators to take care of the pit falls happening to improve this year result and CO-PO-PSO attainment & asked the faculty members who are about to handle the above courses to follow the some remedial measures to improve attainment levels.
9. The chairman told to faculty for handling next semester, the target levels for this semester courses are based on average of 2014 AB Co attainment values.

S. No	Name of the Faculty	Signature
1	Mr G L N Murthy	
2	Mr. T Anil Raju	
3	Mr. Y Amar Babu	
4	Mr. G.L.N.Murthy	
5	Mr. M.Sivasankara Rao	
6	Mr.V.V. Rama Krishna	
7	Mr. K.Sasi Bhushan	
8	Prof.B.Ramesh Reddy	
9	Mr G Venkata Rao	
10	Smt.Shaheda Niloufer	
11	Mr.Ch.Siva Rama Krishna	
12	Mr.V.Ravi Sekhara Reddy	


HOD, ECE

Lakireddy Bali Reddy College of Engineering (Autonomous)

Dept of ECE

Attainment of Course Outcomes

IV-Semester-2014-AB-CO Attainment Values (A Y : 2015-16)

COs	Cumulative Internal Examinations	SEMESTER END EXAMINATIONS	Assignmnets	ACTUAL CO ATTAINMENT	TARGET
1 Analog Communications S125					
CO1	70.73	91.67	68.10	83.03	65
CO2	70.86	84.75	73.93	79.50	65
CO3	67.43	79.89	79.15	76.07	65
CO4	44.24	79.78	70.14	68.16	65
CO5	40.14	92.12	66.82	73.99	65
2 Analog Integrated Circuits S128					
CO1	63.64	89.8	63.03	79.27	65
CO2	69.47	88.2	62.09	79.97	65
CO3	72.68	81.5	66.35	77.36	65
CO4	47.92	77.7	61.61	67.17	65
CO5	28.70	89.9	61.61	68.70	65
3 Computer Organisation S169					
CO1	57.50	39	66.20	47.29	65
CO2	44.72	75	66.20	65.03	65
CO3	43.45	72	66.20	62.96	65
CO4	32.81	72	66.20	59.61	65
CO5	38.41	75	66.20	63.14	65
4 Control Systems S174					
CO1	76.83	80	62.09	77.26	65
CO2	59.86	83	62.09	73.97	65
CO3	61.39	74	62.09	69.03	65
CO4	47.06	71	65.88	63.31	65
CO5	48.45	64	57.35	58.67	65
5 Digital Signal Processing S192					
CO1	57.47	56.4	72.64	58.37	65
CO2	66.18	85.6	72.64	78.50	65
CO3	50.65	69.7	82.08	65.22	65
CO4	42.44	75.3	83.49	66.24	65
CO5	42.66	69.2	84.43	62.75	65
6 Electromagnetic Fields & W S223					
CO1	61.90	60.5	66.35	61.49	65
CO2	58.02	46.1	66.35	51.70	65
CO3	67.96	70.4	66.35	69.25	65
CO4	40.22	51.3	71.56	49.98	65
CO5	32.35	40.4	67.77	40.72	65
7 Environmental Studies S243					
CO1	55.56	73	100.00	70.47	60
CO2	62.5	41	100.00	53.35	60
CO3	65	62	100.00	66.70	60
CO4	63.13	77	100.00	75.14	60
CO5	53.52	66	100.00	65.66	60
8 Analog Integrated Circuits I L108					
CO1	57	54.0	55.32		
CO2	57	54.0	55.32		
CO3	57	54.0	55.32		
9 Systems & Signal processing L180					
CO1	50	54.5	52.62		
CO2	50	54.5	52.62		
CO3	50	54.5	52.62		


Program Coordinator