



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

Attainment of Course outcomes, Program Outcomes and Program Specific Outcomes

Faculty Name	: Sambasivarao chindam	Designation	: ASSISTANT PROFESSOR
Course Name	: ATCD	Academic Year	: 2019-20
Course Code	: 17CI15	Semester	: VI
Program & Admitted Year	: B.TECH-IT & 2017	Section	: --

COURSE OUTCOMES:

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

CO1	: Design Finite Automata and Regular expression for regular languages
CO2	: Design Context-free grammar and push-down automata for CFL.
CO3	: Design and implement lexical analyzer and syntax analyzer.
CO4	: Create framework for syntax directed translation schemes and understand the run-time organization of the program.
CO5	: Analyze various code optimization techniques and code generation.

1. Attainment of Course Outcomes through Mid Examinations:

CIE Attainment				Question-CO Articulation Matrix				
		% Students Attempted	%Attainment	CO1	CO2	CO3	CO4	CO5
MID-I	Q1a	71	76.2	1				
	Q1b	58	70.59	1				
	Q1c	19	72.73	1				
	Q1d	27	68.75	1				
	Q2a	56	57.58		1			
	Q2b	36	80.96		1			
	Q2c	66	82.06		1			
	Q2d	51	80		1			
	Q3a	78	63.05			1		
	Q3b	37	40.91			1		
MID-II	Q1a	64	71.06			1		
	Q1b	51	66.67			1		
	Q1c	29	82.36			1		
	Q2a	85	90				1	
	Q2b	90	86.8				1	
	Q2c	12	57.15				1	
	Q2d							
	Q3a	68	90					1
	Q3b	24	78.58					1
	Q3c	32	73.69					1
MID Attainment				72.07	75.15	64.81	77.99	80.76

2. Attainment of Course Outcomes through Assignments:

Assignment	A1	100	100					
	A2	100	100					
	A3	100	100					
	A4	100	100					
	A5	100	100					
Assignment Attainment				100	100	100	100	100

3. Attainment of Course Outcomes through Quiz:

Quiz	Q1	100	83.06				
	Q2	100	71.19				
Quiz Attainment				83.06	83.06	71.19	71.19

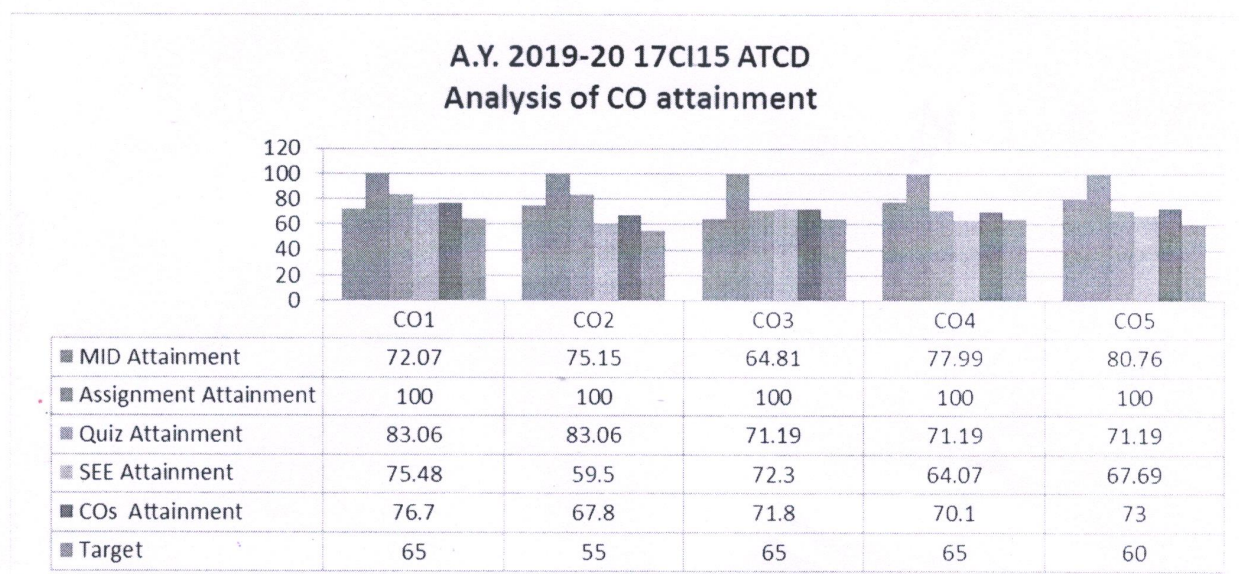
4. Attainment of Course Outcomes through Semester End Examinations (SEE):

	SEE Attainment		Question-CO Articulation Matrix				
	% Students Attempted	%Attainment	CO1	CO2	CO3	CO4	CO5
Q1a	51	70	1				
Q1b	46	85.19	1				
Q2a	64	78.95	1				
Q2b	53	67.75	1				
Q3a	41	75		0.5			
Q3b	36	66.67		1			
Q4a	42	60		1			
Q4b	71	73.81		1			
Q5a	44	69.24			1		
Q6a	37	77.28			1		
Q6b	46	70.38			1		
Q7a	17	40				1	
Q8a	88	78.85				1	
Q8b	76	73.34				1	
Q9a	42	60					0.5
Q9b	42	80					1
Q10a	53	77.42					1
Q10b	51	83.34					1
SEE Attainment			75.48	59.5	72.3	64.07	67.69

Note: The final attainments of COs are determined according to the given weightage.

Weightage for COs: 60% of Semester End Examinations + 20% of Mid Examinations +10% of Assignments + 10% of Quiz

COs Attainment					
Assessment Tool	CO1	CO2	CO3	CO4	CO5
MID Attainment	72.07	75.15	64.81	77.99	80.76
Assignment Attainment	100	100	100	100	100
Quiz Attainment	83.06	83.06	71.19	71.19	71.19
SEE Attainment	75.48	59.5	72.3	64.07	67.69
COs Attainment	76.7	67.8	71.8	70.1	73
Target	65	55	65	65	60



Note: Calculation of PO-PSO attainment:

CO's PO's	COs Attainment (%)	Course Name with code : ATCD & 17CI15												PSO1	PSO2	PSO3
		1	2	3	4	5	6	7	8	9	10	11	12			
CO1	76.7	3	2	3	-	-	-	-	-	-	-	-	1	2	3	2
CO2	67.8	3	2	3	-	-	-	-	-	-	-	-	1	2	3	2
CO3	71.8	2	1	3	-	-	-	-	-	-	-	-	1	3	2	2
CO4	70.1	2	1	2	-	-	-	-	-	-	-	-	1	2	3	2
CO5	73	2	3	1	-	-	-	-	-	-	-	-	1	2	3	2
		71.9	72.2	71.8									71.9	71.9	71.9	71.9

Sanku Siva M
Course Instructor

Sanku Siva M
Course Coordinator

Comp
Module Coordinator

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