

SAMPLE



CHADALAWADA RAMANAMMA ENGINEERING COLLEGE
(AUTONOMOUS)
Renigunta Road, TIRUPATI

Department of Electronics and Communication Engineering
COURSE ASSESSMENT SHEET FOR 2017-18 Batch

PROGRAM: ECE	DEGREE: B.Tech.
COURSE: Digital Image Processing	COURSE CODE: 17CA04801
YEAR & SEMESTER: IV - II CREDITS: 3	CONTACT HOURS (Periods/Week) : L - 2 T - 2 P - 0
REGULATION: R17	COURSE TYPE: CORE
CORRESPONDING LAB COURSE (IF ANY): -----	LAB COURSE CODE (IF ANY): -----

Upon successful completion of this course, students should be able to

Course	COURSE OUTCOMES	
Digital Image Processing	C410.1	Demonstrate knowledge on Identification, formulate & solve problems involving images.
	C410.2	Analyze and Apply various transformation techniques to process images of any context.
	C410.3	Analyze image enhancement and Develop algorithm.
	C410.4	Analyze image segmentation and Develop restoration algorithm applied for images.
	C410.5	Demonstrate knowledge on compression technique and skills to use modern engineering tools, software & equipment to analyze problems.

CO-PO Mapping

Course	PO CO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO
		1	2	3	4	5	6	7	8	9	10	11	12
Digital Image Processing	C410.1	3	2	-	-	-	-	-	-	-	-	-	-
	C410.2	3	3	2	2	-	-	-	-	-	-	-	-
	C410.3	3	3	-	2	-	-	-	-	-	-	-	-
	C410.4	3	3	-	2	-	-	-	-	-	-	-	-
	C410.5	3	3	2	2	-	-	-	-	-	-	-	-
	C410	3	2.8	2	2	-	-	-	-	-	-	-	-

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CO-PSO Mapping

Course	PSO		
	CO	PSO1	PSO2
Digital Image Processing	C410.1	3	-
	C410.2	3	-
	C410.3	3	-
	C410.4	3	-
	C410.5	3	-
	C410	3	-

A) Students' performance through the question papers (A1)

	CO1	CO2	CO3	CO4	CO5	Average
CO attainment through question paper (Level)	3	3	3	3	3	3
CO attainment through question paper (Percentage)	88.28	90.52	89.39	83.15	84.69	87.21

B) Course Outcome Assessment Threshold & Weightages – R17

Aspect	Threshold X	Weightage	All students average performance	Overall course direct assessment
Continuous Internal Examination	50%	20	A	0.2*A+ 0.1*B+ 0.7*C = A2
Alternative Assessment Tool	50%	10	B	
Semester End Examination	50%	70	C	

C) Course Outcome Attainment Levels – R17

Assessment Methods	Attainment Levels	
Continuous Internal Examination (CIE)	Level 1	Less than 60% of students scored more than 50% marks in CIE assessment tools
	Level 2	60% to 70% of students scored more than 50% marks in CIE assessment tools
	Level 3	More than 70% of students scored more than 50% marks in CIE assessment tools
Alternative Assessment Tool (AAT)	Level 1	Less than 60% of students scored more than 50% marks in AAT
	Level 2	60% to 70% of students scored more than 50% marks in AAT
	Level 3	More than 70% of students scored more than 50% marks in AAT
Semester End Examination (SEE)	Level 1	Less than 50% of students scored more than 50% marks in SEE assessment tools
	Level 2	50% to 60% of students scored more than 50% marks in SEE assessment tools
	Level 3	More than 60% of students scored more than 50% marks in SEE assessment tools

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D) Students' performance in the exams (A2)

Description		AAT	Internal	External	Total	
Max Marks		5	25	70	100	
1	17P11A0401	ABBENNAGARI SHANKAR	5	21	50	76
2	17P11A0402	ABBENNAGARI VIVEKANANDA	5	21	52	78
3	17P11A0403	ADAPALA LOKESWARI	5	20	44	69
4	17P11A0405	AVISSETTY PRAVEENA	5	21	41	67
5	17P11A0406	B SASIREKHA	5	15	46	66
6	17P11A0407	BEERAKA MADHU LEELAKRISHNA	3	15	39	57
7	17P11A0408	BIJIVEMULA KALPANA REDDY	5	22	49	76
8	17P11A0409	BILLA NARAHARI	4	13	28	45
9	17P11A0410	BOMMU SOUJANYA	5	24	46	75
10	17P11A0411	BUKKE KETHAN NAIK	4	18	34	56
11	17P11A0412	CHAMARTHI BHANUPRAKASH RAJU	5	23	42	70
12	17P11A0413	CHANNAMREDDI SUPRIYA	5	25	42	72
13	17P11A0414	CHENGHATU JANANI	3	17	35	55
14	17P11A0415	CHINNADASARI POOJA	5	21	43	69
15	17P11A0416	CHINTAMREDDY REDDAPPAREDDY	3	20	37	60
16	17P11A0417	CHITTEM KRISHNAVAMSI	4	20	45	69
17	17P11A0418	CHOPPANA GANGA DEVI	4	11	30	45
18	17P11A0420	DODDAMANENI SRAVANI	5	20	26	51
19	17P11A0421	EDDALA SAIBINDU	4	18	35	57
20	17P11A0422	ELICHETTY LIKITHA	4	25	45	74
21	17P11A0423	ETHAKOTI MOHANASAIRAM	4	19	35	58
22	17P11A0424	G NIRMALA	5	20	39	64
23	17P11A0425	G RAMESH	5	22	39	66
24	17P11A0426	GADANA SIVALAKSHMI	3	21	39	63
25	17P11A0427	GALI ARAVIND REDDY	4	0		4
26	17P11A0428	GORENTLA GURU JANARDHAN	5	17	38	60
27	17P11A0429	GORLAGUNTA JOHARIKA REDDY	3	22	41	66
28	17P11A0430	GOURUGOLLA ROHITH	4	20	48	72
29	17P11A0431	GUDURU DEVIKA	5	23	56	84
30	17P11A0432	GUNTAMADUGU SANDHYA	5	22	44	71
31	17P11A0433	HANSA LAKSHMI V K	5	18	53	76
32	17P11A0434	JALLAPPAGARI MAHENDRA REDDY	5	15	35	55
33	17P11A0435	JANA VINAY	3	18	38	59
34	17P11A0436	JASHWANTH CHOWDARY V N	3	18	47	68
35	17P11A0437	JILLELLA RAHUL	5	19	25	49
36	17P11A0439	KANIJAM TEJA SREE	5	23	47	75
37	17P11A0440	KANJAMBEDU NEELIMA	5	22	47	74
38	17P11A0441	KARANAM RAMYA SREE	5	23	54	82
39	17P11A0442	KOGATTAM VENKATESWARA REDDY	5	21	49	75
40	17P11A0443	KOMMALA MANOJ KUMAR	4	14	37	55
41	17P11A0444	KONAPALLI LIKHITHA PRASANNA	5	21	34	60
42	17P11A0446	KOTHACHERUVU SANDEEP REDDY	5	21	43	69

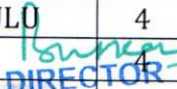
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43	17P11A0447	KOTHAPETA RAJESHKUMAR	5	18	44	67
44	17P11A0448	KOTTE NAGENDRAKUMAR	5	10	27	42
45	17P11A0449	KUDUTHURU SAMBA	4	19	32	55
46	17P11A0450	KUNCHIBANDA MAMATHA	5	23	44	72
47	17P11A0451	M KEERTHI	5	21	43	69
48	17P11A0452	MAHAJANAM NAGASREE	5	20	25	50
49	17P11A0453	MAKALA SAI CHARAN	4	13	36	53
50	17P11A0454	M THARUN KUMAR REDDY	3	19	39	61
51	17P11A0455	MALLENI VINOD KUMAR	4	14	27	45
52	17P11A0456	MALLURU MAHESH BABU	3	17	40	60
53	17P11A0457	MAMILLA SUMAREDDY	5	22	45	72
54	17P11A0458	MANDEM ANJANEYULU	5	23	41	69
55	17P11A0459	MANDLI VIKAS VARDHAN	3	17	39	59
56	17P11A0460	MARRIPALLI KAVYA	4	17	41	62
57	17P11A0461	MARUBOINA MOHAN KRISHNA	5	13	34	52
58	17P11A0462	MAVILLA THARUN	4	18	42	64
59	17P11A0463	MIDDILI KIRAN KUMAR	4	14	43	61
60	17P11A0464	MOOLI BHARATH KUMAR REDDY	4	20	44	68
61	17P11A0465	MOTHUPALLI PAVAN	5	14	0	19
62	17P11A0466	NAGALLAPATI BALAJI VARMA	4	20	40	64
63	17P11A0467	NALABAI SISINDRI	4	16	26	46
64	17P11A0468	NALI SANTOSH KUMAR	5	19	34	58
65	17P11A0469	NALLURI KARTHIK KUMAR REDDY	4	12	38	54
66	17P11A0470	NALUBOLU BALAJI	4	11	8	23
67	17P11A0471	NAMALA CHANDRASEKHAR REDDY	4	15	43	62
68	17P11A0472	NA V NAVEEN KUMAR REDDY	5	15	38	58
69	17P11A0473	NARAYANA RAMAYYA SAI KUMAR	4	13	27	44
70	17P11A0474	P DHIJASREE	5	25	44	74
71	17P11A0475	P KEERTHANA	5	25	41	71
72	17P11A0476	PALLA SUREKHA	5	24	45	74
73	17P11A0478	PAPIREDDYGARI LINGESWAR REDDY	4	12	26	42
74	17P11A0479	PATHIPATI MAMATHA	5	0	30	35
75	17P11A0480	P HUSSAIN KUMAR REDDY	4	16	31	51
76	17P11A0482	POOJALI URMILA	4	20	47	71
77	17P11A0483	PULIMEDDULA SAIBASHA	5	8	27	40
78	17P11A0484	PULIPAKAM BHARATH KUMAR	4	1	5	10
79	17P11A0485	PULIPATI VAMSI	4	15	36	55
80	17P11A0486	R BHAVYA SREE	4	0		4
81	17P11A0487	R VEDHAVATHI	4	17	45	66
82	17P11A0488	RAMISETTY LEENESH RAJA	4	17	41	62
83	17P11A0489	RANGANI MAHENDRA	4	12	40	56
84	17P11A0490	RAYAPATI ROOPASREE	4	16	32	52
85	17P11A0491	RAYAVARAM MADHAVI	4	24	48	76
86	17P11A0492	REDDYVARIPALLI REDDY BHASKAR	4	0		0
87	17P11A0493	SAMMANA MANOJ KUMAR	4	12	36	52
88	17P11A0494	SANNADI BHARGAV	4	13	28	45


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89	17P11A0495	SERU MOURYA NARASIMHA TEJA	4	21	48	73
90	17P11A0496	SHAIK ASLAM BASHA	4	14	40	58
91	17P11A0497	SHAIK MOHAMMED IRFAN	4	11	34	49
92	17P11A0498	SINGAMALA MUNI CHARAN	4	18	44	66
93	17P11A0499	SODA VENKATESWARLU	5	9	20	34
94	17P11A04A1	SUNKARA NARENDRA KUMAR	4	15	35	54
95	17P11A04A2	SURAKANI RAJA SEKHAR	4	17	41	62
96	17P11A04A3	T HARSHA VARDHANI	4	22	46	72
97	17P11A04A4	TAMMINENI DEEPTHI	4	21	37	62
98	17P11A04A5	THALLEM CHARITHA	4	20	46	70
99	17P11A04A6	THERALA SRAVANI	4	22	39	65
100	17P11A04A7	THIPPANNAGARI KOMALA	4	18	42	64
101	17P11A04A8	V JAYAKRISHNA	4	11	18	33
102	17P11A04A9	VAKA PAVAN KALYAN	4	18	43	65
103	17P11A04B0	VALATHURU HARI BABU	4	15	38	57
104	17P11A04B1	VATHALA SAMBASIVA	4	21	47	72
105	17P11A04B2	V REVANTH SHARMA	4	16	41	61
106	17P11A04B3	VENKATA SAI PULA	4	3	25	32
107	17P11A04B4	VIRRURU NARENDRA KUMAR	4	22	48	74
108	17P11A04B5	VISWANATHAM JAYAVIKAS	5	20	43	68
109	17P11A04B6	VODDIBOINA SURENDRA	4	19	39	62
110	17P11A04B7	YAMINI J	4	21	39	64
111	17P11A04B8	Y BHANUPRAKASHYADAV	4	12	38	54
112	17P11A04B9	YATHAPU LEELA DEEPIKA	4	25	53	82
113	17P11A04C0	YERIKALA REDDY NAGARAJA	4	13	37	54
114	18P15A0401	AKULA RAVI	5	19	40	64
115	18P15A0402	B AYODHYA RAJ YADAV	4	14	35	53
116	18P15A0403	BIRAJU MADHAVI	5	24	48	77
117	18P15A0404	BOGGADI SAI TEJA	5	24	46	75
118	18P15A0405	CHALLA SIRISHA	3	21	47	71
119	18P15A0406	DERANGULA MANOHAR	3	17	27	47
120	18P15A0407	DOODEKULA CHINNA DASTAGIRI	4	13	42	59
121	18P15A0408	G PREMA SAI KUMAR	4	14	33	51
122	18P15A0409	GALI SRAVANI	4	11	33	48
123	18P15A0410	JANAPATI MURALI	4	14	42	60
124	18P15A0411	KAMBHAM NARASIMHA	4	12	41	57
125	18P15A0412	KODURU CHANDRA SEKHAR REDDY	4	14	37	55
126	18P15A0413	K PRAVEEN KUMAR REDDY	4	14	30	48
127	18P15A0414	MANCHALA BHARGAV VENKAT	4	10	34	48
128	18P15A0415	M UMA MAHESH REDDY	4	17	37	58
129	18P15A0416	NANAPU REDDY RANI	5	21	42	68
130	18P15A0418	PAMISSETTY RAMAKRISHNA	4	13	41	58
131	18P15A0419	PASUPULETI REDDY ANJANEYULO	4	17	44	65
132	18P15A0420	R D NAVEEN KUMAR	4	23	47	74
133	18P15A0421	SAIDAM ABISHEK	4	12	41	57
134	18P15A0423	SHAIK THASLEEM	5	20	44	69


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Assessment Table

Particulars	AAT	Internal Exam	External Exam
Total Number of Students Appeared	133	134	131
Total Number of students Scored above threshold	133	112	99
Percentage	100.00	83.58	75.57
Attainment Level	3	3	3
Weightage	0.3	0.6	2.1
Attainment factor (A2)	3		

R17 - Course Outcome Attainment

Attainment through AAT: Substantial i.e. 3

Attainment through Internal Assessment: Substantial i.e. 3

Attainment through Term End Examination: Substantial i.e. 3

Assuming 70% weightage to Semester End Examination, 20% weightage to Internal Assessment and 10% weightage to AAT, i.e. 70% of 3 + 20% of 3 + 10% of 3 = 2.1 + 0.6 + 0.3 = 3.0

E) Final CO attainment

CO attainment through question paper (A1)	3
CO attainment through internal and External exams (A2)	3
Overall CO attainment (Direct) (A3 = (A1+A2) /2)	3

Overall Course attainment (Direct): **3 out of 3**

F) Threshold for attainment – 1.8 (60%)

	CO1	CO2	CO3	CO4	CO5	Average
CO attainment through question paper (Level)	3	3	3	3	3	3
CO attainment through question paper (Percentage)	88.28	90.52	89.39	83.15	84.69	87.21

COs attained: **CO1, CO2, CO3, CO4 & CO5**

COs NOT attained: **NIL**

G) CORRECTIVE ACTIONS TO IMPROVE CO ATTAINMENTS: All COs are attained

H) Programme Outcome Attainment

PO Attainment = (weighted average value of PO x A3) /3


Course Code	A3	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
C410	3	3	2.8	2	2	-	-	-	-	-	-	-	-
Attainment	3	2.8	2	2	-	-	-	-	-	-	-	-	-


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I) Programme Specific Outcome Attainment

PSO Attainment = (weighted average value of PSO x A3) /3

Course Code	A3	PSO 1	PSO2
C410	3	3	-
Attainment		3	-


Signature of the Faculty


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