

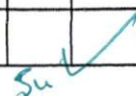
ADITYA ENGINEERING COLLEGE(A)

PROGRAM OUTCOME ATTAINMENT STATEMENT

BRANCH	ELECTRONICS AND COMMUNICATION ENGINEERING										REGULATION			AR17			
YEAR OF ADMISSION	2017																
COURSE CODE	COURSE NAME	SEM	CO ATTAINMENT	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
101	English-I	1	1.24										0.98				
102	Mathematics-I	1	1.81	1.81	1.21												
103	Mathematics-II	1	1.45	1.45	0.97												
104	Applied Physics	1	1.69	1.24	0.79											0.55	
105	Engineering Drawing	1	1.53	0.51	0.51			0.44					0.44				
106	Computer Programming	1	1.82	0.61	1.34	1.22	1.53										
107	English Communication Skills Lab-I	1	2.95					0.98					2.95		1.37		
108	Computer Programming Lab	1	2.95		2.16	1.97	2.46	1.97									
109	Applied Physics Lab	1	2.95	2.75	1.80								2.00		1.00		
110	EW & IT LAB	2	2.95	2.17	0.99							0.99			0.99		
201	English-II	2	1.8					0.59		0.52			1.48				
202	Mathematics-III	2	1.48	1.48	0.99												
203	Environmental Studies	2	1.36			0.84			0.72	1.36							
204	Applied Chemistry	2	2.2	1.10													
205	Electrical & Mechanical Technology	2	0.52	0.35	0.13					0.61				0.39			


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COURSE CODE	COURSE NAME	SEM	CO ATTAINMENT	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
206	Data Structures through C	2	0.98	0.73	0.87	0.80	0.71										
207	English Communication Skills Lab- II	2	2.95										2.95		1.96		
208	Applied chemistry lab	2	2.98	1.98						0.99		0.99	0.99		0.99		
301	Electronic Devices and Circuits	3	1.04	0.83	0.69	0.40									0.35	0.90	
302	Switching Theory and Logic Design	3	0.96	0.80	0.59	0.41									0.37	0.80	
303	Signals and Systems	3	0.80	0.71	0.49	0.30									0.26	0.71	
304	Network Analysis	3	0.83	0.69	0.55	0.50									0.37	0.64	
305	Random Variables and Stochastic Processes	3	0.84	0.73	0.56	0.37	0.28									0.67	
306	Managerial Economics and Financial Analysis	3	0.97									0.24	0.71	0.76			0.38
307	Electronic Devices and Circuits Lab	3	1.86	1.40	1.09							1.24	0.62			1.71	
308	Networks and Electrical Technology Lab	3	1.51	0.92	0.92	0.75	0.51					1.00					
401	Electronic Circuit Analysis	4	0.94	0.69	0.63	0.38	0.28									0.75	
402	Electromagnetic Waves and Transmission Lines	4	1.27	0.98	0.84	0.42	0.40									0.98	
403	Analog Communications	4	1.40	1.09	0.93	0.68	0.51									1.24	
404	Pulse and Digital Circuits	4	1.42	1.04	0.85	0.66	0.46									1.23	
405	Management Science	4	1.05	0.36							1.18		0.56	0.76	0.35		0.70
406	Linear Control Systems	4	0.79	0.63	0.47	0.27	0.21									0.68	
407	IPR and Patents	4	2.35								2.35				1.57		
408	Electronic Circuit Analysis Lab	4	2.41	2.41	1.87			1.07				1.34				2.14	
409	Analog Communications Lab	4	2.40	1.74	1.47			1.60				1.60				1.87	
501	Linear IC Applications	5	0.92	0.79	0.61	0.61									0.31	0.61	
502	Digital IC Applications	5	1.21	0.81		0.72	0.72								0.81	1.05	


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COURSE CODE	COURSE NAME	SEM	CO ATTAINMENT	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
503	Digital Communications	5	1.03	0.83	0.62		0.55								0.34	0.96	
504	Antennas and Wave Propagation	5	1.14	0.95	0.89	0.72	0.74									0.70	
505	OOPS through JAVA	5	0.81	0.63	0.27	0.44		0.54									
506	Employability Skills - III	5	2.77	0.92									0.92		0.92		0.92
507	Linear IC Applications Lab	5	1.86	1.55	1.45	1.35						1.24				1.66	
508	Digital IC Applications Lab	5	2.41	1.87		2.14		1.61				1.61				2.14	
509	Pulse and Digital Circuits Lab	5	2.95	2.55	2.16	1.23						1.96				2.36	
601	Micro Processors and Micro Controllers	6	1.05	0.70	0.42	0.77									0.56	0.70	
602	VLSI Design	6	1.38	1.01	0.83	1.18									0.64	0.73	
603	Digital Signal Processing	6	1.91	1.53	1.27	0.89	0.56									1.14	
604	Computer Networks	6	2.27	1.66	1.06	1.06									0.76	1.81	
605	Biomedical Engineering	6	1.11			0.89	0.77		0.89						0.74	1.04	
606	Employability Skills - IV	6	1.86	0.62									1.24		0.62		0.62
607	Micro Processor and Micro Controllers Lab	6	1.85	1.55	1.24			1.24				1.24				1.55	
608	VLSI Lab	6	2.94	2.45	1.71		1.47	1.96								1.96	
609	Digital Communications Lab	6	2.94	2.69	1.47			1.96				1.96				2.94	
701	Microwave Engineering	7	2.02	1.88	1.35	1.08									0.67	1.21	
702	Digital Image Processing	7	1.22	1.22	0.65	0.65	0.65									0.73	
703	Electronic Measurements And Instrumentation	7	1.72	1.72	1.03	0.92	1.03									1.49	
704	Optical Communications	7	2.35	1.88	2.03	1.25	0.93									2.03	
705	Embedded Systems	7	1.17	0.78	0.93	0.85									0.54	0.93	
706	Radar Systems	7	1.28	1.03	0.51	0.57									0.43	0.86	

COURSE CODE	COURSE NAME	SEM	CO ATTAINMENT	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
707	Microwave Engineering and Optical Communications Lab	7	2.94	2.45	0.98							1.96	0.98			2.21	
708	Digital Signal and Image Processing Lab	7	2.94	2.70				2.21				1.96	1.96			1.96	
709	Industry Oriented (Internship) Minor Project	7	2.95	1.48	0.98	0.98	0.98	1.97	0.98	0.98	1.97	0.98	0.98	0.98	0.98	1.48	0.98
801	Satellite Communications	8	2.17	1.74	1.32	0.99									0.72	1.74	
802	Disaster Management	8	1.11	0.74						0.74							
803	Internet of Things	8	1.21	0.48	0.93	0.71	0.79	0.91									
804	Major Project	8	2.96	1.32	1.97	2.96	1.97	2.96	1.98	1.98	1.97	0.99	1.97	0.99	0.99	1.18	0.99
DIRECT PO ATTAINMENT (Assessment Reports)				1.29	1.03	0.89	0.84	1.47	1.14	1.02	1.87	1.33	1.36	0.78	0.75	1.30	0.77
ALUMNI SURVEY				2.52	2.47	2.59	2.20	2.30	2.20	2.36	2.44	2.00	2.24	2.46	2.00	2.00	2.00
EMPLOYER SURVEY				3.00	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.80	2.80	2.80	2.60	2.80	2.60
PARENTS' SURVEY				2.42	2.25	2.54	2.40	2.37	2.46	2.46	2.37	2.34	2.38	2.39	2.00	2.00	2.00
PROGRAM EXIT SURVEY				2.51	2.42	2.45	2.43	2.41	2.46	2.42	2.48	2.47	2.49	2.47	2.44	2.49	2.40
INDIRECT PO ATTAINMENT (Survey Reports)				2.61	2.44	2.55	2.41	2.42	2.43	2.46	2.47	2.40	2.48	2.53	2.26	2.32	2.25
EQUIVALENT INDIRECT PO ATTAINMENT				1.99	1.50	1.41	1.12	1.82	1.42	1.64	2.06	1.39	1.63	1.35	0.96	1.77	0.96
FINAL PROGRAM OUTCOME ATTAINMENT (90% of Direct Attainment + 10% of Indirect Attainment)				1.36	1.08	0.94	0.87	1.50	1.17	1.09	1.89	1.34	1.38	0.83	0.77	1.35	0.78
PO MAPPING STRENGTH				2.29	1.85	1.66	1.40	2.26	1.75	2.00	2.50	1.73	1.97	1.60	1.27	2.29	1.28
PROGRAMME OUTCOME GAP				0.93	0.77	0.72	0.53	0.76	0.58	0.91	0.61	0.39	0.59	0.77	0.50	0.94	0.50

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G. Seidhard
Head of the Department
Head of the Department
Department of E.C.E.
Aditya Engineering College (A9)

ADITYA ENGINEERING COLLEGE(A)

COURSE INPUT DATA

ACADEMIC YEAR	2019-20	SEMESTER	VI
BRANCH	Electronics and Communication Engineering	REGULATION	AR17
COURSE	Digital Signal Processing	COURSE CODE	171EC6T15
COURSE INSTRUCTOR	Dr. G. Sridevi/ Mr. V.Satyanarayana		

COURSE OUTCOMES

CO1	Analyze Discrete Time Signals and Systems.													
CO2	Determine the frequency response of different systems using DTFT.													
CO3	Translate the DFT approach into algorithm approach FFT.													
CO4	Design IIR & FIR filters using different techniques.													
CO5	Analyze multirate DSP systems.													
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2	2	1									2	
CO2	2	2	1	1									3	
CO3	3	2	1										1	
CO4	2	2	2	1									2	
CO5	2	2	1	1									1	
MAPPING STRENGTH	2.40	2.00	1.40	1.00									1.80	

ACHIEVEMENT TARGETS FOR COURSE OUTCOMES

%

CO1	60.00%
CO2	60.00%
CO3	60.00%
CO4	60.00%
CO5	60.00%

Signature of the Course Instructor

Name & Signature of Course Coordinator

Name & Signature of HOD

[Signature]

Dr. G. Sridevi, G. Sridevi

Dr. G. Sridevi, G. Sridevi

Head of the Department

Department of E.C.E.

Aditya Engineering College (A9)

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ADITYA ENGINEERING COLLEGE(A)

SESSIONAL -2 DATA

BRANCH	Electronics and Communication Engineering			REGULATION			AR17				
COURSE NAME	Digital Signal Processing			COURSE CODE			171EC6T15				
DATE OF THE EXAMINATION	04-11-2020			SESSIONAL			II				
COURSE INSTRUCTOR	Dr. G. Sridevi/ Mr. V.Satyanarayana										
	Descriptive-II									Assignment -II	Objective -II
	Q1			Q2			Q3				
	A	B	C	A	B	C	A	B	C		
Max.Marks	5	3		4	4		4	4		6	10
COURSE OUTCOME	CO4	CO4		CO4	CO4		CO5	CO5		ALL	ALL
17A91A0401	5	3		1	2		0	2		6	8
17A91A0402	3	3		2	2		2	1		6	9
17A91A0403	0	1		0			0	0		6	9
17A91A0404	0									6	10
17A91A0405	0	3		2	2		2	2		6	9
17A91A0406	2	1			0		3	2		6	9
17A91A0407		3		4	3		2			6	9
17A91A0408	2	3		3	4		2	2		6	8
17A91A0409	5	3		4	4		4	4		6	9
17A91A0410	5	3					2	3		6	10
17A91A0411	4	3					4	3		6	9
17A91A0412	5	3					4	4		6	9
17A91A0413	2	3		4	4		2	3		6	9
17A91A0415		3		4	2		2	4		6	9
17A91A0416	2	1			2		4	4		6	8
17A91A0417	3	3		1	1		4	4		6	10
17A91A0418	5	3		2	1		1	4		6	9
17A91A0419	3	3		3			4	0		6	9
17A91A0420		3		4			4	3		6	7
17A91A0421	1	3		3	0		4	3		6	7
17A91A0422	5	3		4	4		0	4		6	9
17A91A0423	3	2								6	9
17A91A0424	3	3		4	3		4			6	7
17A91A0425	0	0		2	1		0	2		6	6
17A91A0426	4	3		4	3		4	4		6	8
17A91A0427	4	3		3	4		3	4		6	7
17A91A0428	3	3		4	4		3	2		6	8
17A91A0429	3	3		2	3			3		6	9


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	Descriptive-II									Assignment -II	Objective -II
	Q1			Q2			Q3				
	A	B	C	A	B	C	A	B	C		
Max.Marks	5	3		4	4		4	4		6	10
COURSE OUTCOME	CO4	CO4		CO4	CO4		CO5	CO5		ALL	ALL
17A91A0430	4	3		3	4			2		6	9
17A91A0431	5	3		4	4		4	4		6	10
17A91A0432	5	3		3	4			3		6	9
17A91A0433	5	3		2	3		2	2		6	8
17A91A0434	5	3		4	4		4	2		6	9
17A91A0435	3	2		0			3	1		6	8
17A91A0436	5	3		3			2	3		6	9
17A91A0437	4	3		3	3		4	2		6	9
17A91A0438	5	3		4	2		4	2		6	9
17A91A0439	4	3		4	3		4	0		6	9
17A91A0440	4	3		3	4		0			6	10
17A91A0441	3	3		4	2		3	3		6	10
17A91A0442	3	3		2	3		3	1		6	10
17A91A0443	3	3		2	2		2			6	9
17A91A0444		3					4	2		6	10
17A91A0445	5	3		4	4		4	4		6	10
17A91A0446	5	3		4	4		4	4		6	10
17A91A0447	5	3		4	4		4	4		6	9
17A91A0448	5	3		4	4		1	4		6	9
17A91A0449	4	3		2	1			2		6	9
17A91A0450	2			3	4		4	4		6	9
17A91A0451	4	3		4	0		4	3		6	10
17A91A0453	4	3		4	4		4	4		6	10
17A91A0454		3		4	4			2		6	10
17A91A0455	4	3		4	3		4	4		6	9
17A91A0456	5	3		4	4		4	4		6	10
17A91A0457	3	3		4	4		4	3		6	9
17A91A0458		3		0	3		2	4		6	9
17A91A0459	3	3		4	3		1	2		6	9
17A91A0460	3	3					3	4		6	8
17A91A0461	5	3		4	4		3	4		6	5
17A91A0462	4	3		3	3		1	1		6	7
17A91A0463	0	1		1			2	0		6	5
17A91A0464	5	3		4			2	2		6	6
17A91A0465	0	2		2			1			6	6

	Descriptive-II									Assignment -II	Objective -II
	Q1			Q2			Q3				
	A	B	C	A	B	C	A	B	C		
Max.Marks	5	3		4	4		4	4		6	10
COURSE OUTCOME	CO4	CO4		CO4	CO4		CO5	CO5		ALL	ALL
17A91A0467	4	3		2			2	3		6	7
17A91A0468	1	1								6	6
17A91A0469	3	3					1	2		6	6
17A91A0470	5	3		4	3		3	3		6	9
17A91A0471	4	3			2		1	2		6	5
17A91A0472	4	3		2	3		2	2		6	7
17A91A0473		2		4	3		2	3		6	9
17A91A0475	4	3		4	3		2	3		6	9
17A91A0476	5	3		4	3		1			6	8
17A91A0477	5	3		4	4		4	3		6	9
17A91A0478	3	3		4	3		3	3		6	9
17A91A0479	4	3		3	4		4	3		6	8
17A91A0480	4	3		2	2		3	2		6	9
17A91A0481	4	2		2	2		2	1		6	9
17A91A0482	4	3		3	3		3	2		6	9
17A91A0483	5	3		4	2		4	4		6	8
17A91A0484	4						4			6	9
17A91A0485	2	3		1						6	9
17A91A0486	2	3		4	3		3	3		6	10
17A91A0487	1			0			0			6	7
17A91A0488		3		4	2		3	0		6	7
17A91A0489	4	3		3	3		2	4		6	3
17A91A0490	3	2		4	2		1	3		6	4
17A91A0491	4	3		3	4		3	4		6	6
17A91A0492	3	3					1			6	8
17A91A0493	3	2			0					6	7
17A91A0494	3	3		1	3		1	2		6	7
17A91A0495	4	3								6	7
17A91A0496	0			0			0	0		6	7
17A91A0497	2	3		3	3		2	2		6	8
17A91A0498	3	2		3			2			6	7
17A91A0499		3		1			3	1		6	10
17A91A04A0	3	2						1		6	9
17A91A04A1	5	1		1	2		1	4		6	9
17A91A04A2				0	0			0		6	7

	Descriptive-II									Assignment -II	Objective -II
	Q1			Q2			Q3				
	A	B	C	A	B	C	A	B	C		
Max.Marks	5	3		4	4		4	4		6	10
COURSE OUTCOME	CO4	CO4		CO4	CO4		CO5	CO5		ALL	ALL
17A91A04A3	5	3		4	3		4	4		6	9
17A91A04A4	4	3		4	4		4	3		6	6
17A91A04A5	4	3		3	3		1			6	4
17A91A04A6	5	3		4	4		4	4		6	6
17A91A04A7	4	3		3	4					6	8
17A91A04A8	3	2		2						6	9
17A91A04A9	4	3		4	4		4	3		6	8
17A91A04B0	4	3		4	4		3	2		6	9
17A91A04B1	4	3		4	4		3	4		6	7
17A91A04B2	0	2		3	1		1	2		6	5
17A91A04B4	4	3		4	4		4	4		6	8
17A91A04B5	4	3		3	3			3		6	4
17A91A04B6		3		2	0			2		6	4
17A91A04B7	5	3		4	4		4	4		6	9
17A91A04B8	5	3		4	4		4	4		6	5
17A91A04B9	3	3			4					6	6
17A91A04C0	5	3		4	3		2	2		6	7
17A91A04C1	3	3		2	1		2	3		6	4
17A91A04C2	3	2		1	0		1	2		6	4
17A91A04C3	5	3		4	3		2	1		6	9
17A91A04C4	5	3		4	3		1	2		6	8
17A91A04C5		3		4	1		2	1		6	8
17A91A04C6	3	3		3	4		1	0		6	9
17A91A04C7	5	2		4	4		2	1		6	10
17A91A04C8	4	3		4			2	1		6	10
17A91A04C9	1									6	4
17A91A04D0	5	3		4	4		1	1		6	5
17A91A04D1	5	3		3	4		2	3		6	5
17A91A04D2	1	3					2	2		6	9
17A91A04D3	2	3		4						6	6
17A91A04D4	2						2			6	6
17A91A04D5	5	2		1			4			6	8
17A91A04D6	2	3		2	2		1	2		6	5
17A91A04D7	2	2		2	2		2	1		6	5
17A91A04D8	2	3		1	3		1	2		6	5

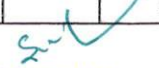
	Descriptive-II									Assignment -II	Objective -II
	Q1			Q2			Q3				
	A	B	C	A	B	C	A	B	C		
Max.Marks	5	3		4	4		4	4		6	10
COURSE OUTCOME	CO4	CO4		CO4	CO4		CO5	CO5		ALL	ALL
17A91A04D9	4	3		4	0		4	3		6	5
17A91A04E0	5			3	4			3		6	8
17A91A04E1	5	3		3	0		3	2		6	9
17A91A04E2	5	3		1	4		1			6	9
17A91A04E3	4	3								6	3
17A91A04E4	3	3		4						6	9
17A91A04E5	4	3		4	4		4			6	10
17A91A04E6	4	3		4	0		2	4		6	10
17A91A04E7	5	3		4			4	4		6	8
17A91A04E8	2	3		4			4	4		6	8
17A91A04E9	5						2	4		6	10
17A91A04F0	5						2	4		6	10
17A91A04F1	2									6	8
17A91A04F2	5	3		4			4	4		6	7
17A91A04F3	4	3		4	3		3	4		6	10
17A91A04F4	5	3						4		6	10
17A91A04F5	3						1	1		6	8
17A91A04F6	5	2		4	1			1		6	9
17A91A04F7	5	3		4				4		6	10
17A91A04F8	5	3								6	9
17A91A04F9	5						1	2		6	10
17A91A04G0	5	3								6	10
17A91A04G1	5	3		4			4			6	10
17A91A04G2										6	
17A91A04G3	5						4			6	10
17A91A04G4	5	3		4	4		4	4		6	10
17A91A04G5	2			4						6	10
17A91A04G6	4	3		3	4		4	0		6	10
17A91A04G7	5	3		3	4		2	2		6	10
17A91A04G8	2	3		3						6	7
17A91A04G9	4			4	4					6	9
17A91A04H0	5	3		4	4		4	4		6	9
17A91A04H2	5	3			3		2			6	9
17A91A04H3	4	3		4	4		4	4		6	9
17A91A04H4				4	4		4			6	8

	Descriptive-II									Assignment -II	Objective -II
	Q1			Q2			Q3				
	A	B	C	A	B	C	A	B	C		
Max.Marks	5	3		4	4		4	4		6	10
COURSE OUTCOME	CO4	CO4		CO4	CO4		CO5	CO5		ALL	ALL
17A91A04H5	2	3		3	2		4	2		6	8
17A91A04H7	5	3		4	4		4	4		6	10
17A91A04H8	4	3		3				3		6	9
17A91A04H9	5	3		4	2		4	4		6	10
17A91A04I0	5	3		3	2		1	0		6	9
17A91A04I1	5	2		4	3		0	1		6	10
17A91A04I2	4	3		4	3		1	3		6	10
17A91A04I3	3	3		4	3		3	4		6	9
17A91A04I4	2	3		4	1		3	3		6	10
17A91A04I5	2	2		3	1		4	4		6	10
17A91A04I6	5	3		4	2		3	4		6	7
17A91A04I7	2	2		1	0		1	0		6	6
17A91A04I8	0	1		3	0		2	2		6	9
17A91A04I9	1	1			0		0	4		6	6
17A91A04J0	5	3			4			1		6	10
17A91A04J2	4	1		3	0		3	4		6	10
17A91A04J3	3			4	0					6	6
17A91A04J4	2	1								6	6
17A91A04J5		2		2			1			6	5
17A91A04J6	4	2		3			1	2		6	5
17A91A04J7	4	3		4	3		3	3		6	9
17A91A04J8	4	3		3	3		4	3		6	10
17A91A04J9	5	3		4	4		4	4		6	10
17A91A04K0	3	3								6	10
17A91A04K1	5	3		4	3		4	4		6	10
17A91A04K2	3	3		3	3		1	1		6	10
17A91A04K3	5	3		3	3		4	3		6	10
17A91A04K4	5	3		4	4		4	1		6	10
17A91A04K5	4	2		3	2		2	3		6	9
17A91A04K6	5	3		4			4			6	9
17A91A04K7				2			2	1		6	9
17A91A04K8	4									6	9
17A91A04K9	5	3					1			6	9
17A91A04L0	2	1		1	1		2	1		6	7
17A91A04L1	3	3		1	1		2	4		6	9

	Descriptive-II									Assignment -II	Objective -II
	Q1			Q2			Q3				
	A	B	C	A	B	C	A	B	C		
Max.Marks	5	3		4	4		4	4		6	10
COURSE OUTCOME	CO4	CO4		CO4	CO4		CO5	CO5		ALL	ALL
17A91A04L2	2						2	2		6	9
17A91A04L3	3	3		3	2		3	0		6	9
17A91A04L4	1									6	8
17A91A04L5	0	1		0	1		1	1		6	8
17A91A04L6	1	2		3	1		4	2		6	9
17A91A04L7	5	3		4	4		1			6	9
17A91A04L8	2	2		4			2	2		6	9
17A91A04L9				3	2		0			6	9
17A91A04M0	5	0		4	0		1	3		6	9
17A91A04M1	1	2		1	3		2	1		6	9
17A91A04M2							1	0		6	9
17A91A04M3	2	3		4	0		4	1		6	9
17A91A04M4	2	1		4	3		4			6	6
17A91A04M5	5	3		4			4	4		6	6
17A91A04M6	4	3		4	3		3	4		6	9
17A91A04M7	4	3		4	3		3	2		6	7
17A91A04M8	3	3					4	3		6	8
17A91A04M9	5	3		4	2		3	4		6	7
17A91A04N0	4	3					3			6	7
17A91A04N1	4	3		3	3		3	3		6	7
17A91A04N2	5	3					4	3		6	8
17A91A04N3	2	1		1	2		2	1		6	9
17A91A04N4	4						2			6	10
17A91A04N5	4						3			6	8
17A91A04N6	5						4			6	8
17A91A04N7	4	2		4			2	4		6	8
17A91A04N9	2			1	2		2	1		6	5
18A95A0401	5	3		3			4	3		6	9
18A95A0402								4		6	9
18A95A0403	5	3		4			4	4		6	8
18A95A0404	5	3					1			6	9
18A95A0405	5	3		1			4	4		6	9
18A95A0406	4	1					4	3		6	9
18A95A0407	3	3		4	4		4	1		6	8
18A95A0408	4	0		4	2		2	1		6	6

	Descriptive-II									Assignment -II	Objective -II
	Q1			Q2			Q3				
	A	B	C	A	B	C	A	B	C		
Max.Marks	5	3		4	4		4	4		6	10
COURSE OUTCOME	CO4	CO4		CO4	CO4		CO5	CO5		ALL	ALL
18A95A0409	4	3					4	4		6	10
18A95A0410	5	3					2			6	9
18A95A0411	5	3		3	2		3	0		6	9
18A95A0412										0	
18A95A0413	5	3		1			4	4		6	9
18A95A0414	4	3		2	2		2			6	10
18A95A0415	3	2		0	0		1	0		6	9
18A95A0416	3	2								6	10
18A95A0417	2	3		1			4	2		6	7
18A95A0418	4	3		2	1		2	0		6	8
18A95A0419	5	3		4	4		3			6	10
18A95A0420	3	3								6	8
18A95A0421	4	3			0					6	9
18A95A0422	0	2		1	0		2	0		6	4
18A95A0423										6	7
18A95A0424	5	3		4	4		4	4		6	6
18A95A0425	4	2		1	0		1	2		6	9
18A95A0426	3	3		3	1		1	0		6	6
18A95A0427	4									6	4
18A95A0428	5	3					4	4		6	9
18A95A0429		3					2	1		6	7
18A95A0430	5	3					4	4		6	9
18A95A0431	0	2		3	2		3	1		6	8
18A95A0432	0	0		0	0		0	0		6	7
18A95A0433	5	3		4	4		4	4		6	7
18A95A0434	4	3		3	4		2	2		6	8
18A95A0435		3		4			4	4		6	9
18A95A0436	0	3					4	4		6	6
18A95A0437	2	3					1			6	7
18A95A0438	2	3		4	4					6	7
18A95A0439	5	3		4	3		4	4		6	8
18A95A0440	3	3		4	2		4	4		6	5
18A95A0441	3	3		3	4		4	4		6	5
18A95A0442	5	3					3	1		6	5
18A95A0443	3	2		2	2		1	0		6	6

ADITYA ENGINEERING COLLEGE(A)											
SESSIONAL -I DATA											
ACADEMIC YEAR	2019-20			SEMESTER			VI				
BRANCH	Electronics and Communication Engineering			REGULATION			AR17				
COURSE NAME	Digital Signal Processing			COURSE CODE			17IEC6T15				
DATE OF THE EXAMINATION	29-01-2020			SESSIONAL			I				
COURSE INSTRUCTOR	Dr. G. Sridevi/ Mr. V.Satyanarayana										
	Descriptive-I									Assignment -I	Objective -I
	Q1			Q2			Q3				
	A	B	C	A	B	C	A	B	C		
Max.Marks	2	6		8			8			6	10
COURSE OUTCOME	CO1	CO1		CO2			CO3			ALL	ALL
17A91A0401	2	4		7			8			6	6
17A91A0402	2	4		2			6			0	6
17A91A0403	2	0		6			7			2	7
17A91A0404	2	4		6			5			6	6
17A91A0405	2	3		7			8			6	5
17A91A0406	2	6		4			8			6	6
17A91A0407	2	0					6			6	6
17A91A0408	2	1		6			7			0	4
17A91A0409	2	6		8			8			6	7
17A91A0410	2	6		5			8			6	6
17A91A0411	2	6		8			8			6	6
17A91A0412	2	6		6			8			6	6
17A91A0413	2			4			7			6	6
17A91A0415	2	0		1			5			6	4
17A91A0416	2	0					6			6	5
17A91A0417	2	0		5			7			6	3
17A91A0418	2	6		8			8			6	8
17A91A0419	2	1					8			0	6
17A91A0420	2			4			5			0	7
17A91A0421				0			3			0	7
17A91A0422	2	6		6			7			6	6
17A91A0423	2	6		8			8			6	8
17A91A0424	2	6		4			5			6	6
17A91A0425	0	0		1			1			6	7
17A91A0426	2	0		6			8			6	7
17A91A0427	2	0		6			2			2	7
17A91A0428	2	6		8			8			6	7


 PRINCIPAL
 Aditya Engineering College
 SURAMPALEM

	Descriptive-I									Assignment -I	Objective -I
	Q1			Q2			Q3				
	A	B	C	A	B	C	A	B	C		
Max.Marks	2	6		8			8			6	10
COURSE OUTCOME	CO1	CO1		CO2			CO3			ALL	ALL
17A91A0429	2	2		0			5			6	8
17A91A0430	2	6		7			3			6	7
17A91A0431	2	6		8			8			6	7
17A91A0432	2	2		7			8			6	5
17A91A0433	2	2		0			2			6	7
17A91A0434	2	5		7			7			6	8
17A91A0435	2	5		6			8			6	7
17A91A0436	2	4		4			5			6	5
17A91A0437	2	4		6			8			6	4
17A91A0438	2	4		6			6			6	6
17A91A0439	0	0		1			2			0	6
17A91A0440	2	6		6			8			6	6
17A91A0441	2	6		7			4			6	9
17A91A0442	2	5		7			7			6	6
17A91A0443	2	5					3			3	6
17A91A0444	2	6		8			8			6	6
17A91A0445	2	6		8			8			6	7
17A91A0446	2	6		8			8			6	8
17A91A0447	2	6		8			8			6	8
17A91A0448	2	6		7			8			6	8
17A91A0449	0	0					5			2	6
17A91A0450	2	6		8			8			6	8
17A91A0451	2	5		2			5			6	6
17A91A0453	2	6		8			7			6	8
17A91A0454	2	6		7			8			6	7
17A91A0455	2	6		6			8			6	5
17A91A0456	2	6		8			8			6	7
17A91A0457	2	5		8			8			6	8
17A91A0458	2	5		7			8			6	7
17A91A0459	2	6		7			7			6	6
17A91A0460	1	3		6			8			6	5
17A91A0461	2	5		7			8			6	7
17A91A0462	2	0		3			6			6	6
17A91A0463	0						0			2	6
17A91A0464	2	6		1			8			6	6
17A91A0465	2	5		0			8			6	7
17A91A0467	2	0		1			7			6	6

	Descriptive-I									Assignment -I	Objective -I
	Q1			Q2			Q3				
	A	B	C	A	B	C	A	B	C		
Max.Marks	2	6		8			8			6	10
COURSE OUTCOME	CO1	CO1		CO2			CO3			ALL	ALL
17A91A0468	2			1			2			6	6
17A91A0469	1	6		1			8			6	7
17A91A0470	2	0		5			8			6	7
17A91A0471	2	0		0			8			6	7
17A91A0472	2	2		0			8			6	6
17A91A0473				0			3			3	6
17A91A0475	2	6		8			7			6	6
17A91A0476	2	4		2			2			0	3
17A91A0477	2	6		7			7			6	8
17A91A0478	2	2		2			4			4	6
17A91A0479	2	4		2			8			6	7
17A91A0480	2	6		0			2			3	6
17A91A0481	2	2		0			1			0	6
17A91A0482	2	6		4			8			6	7
17A91A0483	2	6		8			8			6	7
17A91A0484	2	3		4			8			6	6
17A91A0485	2	2		4			5			2	6
17A91A0486	2	6		7			8			6	8
17A91A0487	2			0			4			6	6
17A91A0488	2			0			2			3	6
17A91A0489	2	0		4			8			6	5
17A91A0490	2			0			7			4	5
17A91A0491	2	6		4			8			6	5
17A91A0492	2	1					7			6	8
17A91A0493	2			2			7			6	7
17A91A0494	1	0		2			7			6	6
17A91A0495	2	3		3			8			6	7
17A91A0496	1	0		0			2			1	7
17A91A0497							4			0	7
17A91A0498	2	0					7			4	6
17A91A0499	2	3		3			7			6	6
17A91A04A0	2	0		2			7			3	7
17A91A04A1	2	5		4			8			6	8
17A91A04A2	2						6			6	8
17A91A04A3	2	2		8			8			6	7
17A91A04A4	2	6		3			7			6	7
17A91A04A5	2	0		3			2			6	5

	Descriptive-I									Assignment -I	Objective -I
	Q1			Q2			Q3				
	A	B	C	A	B	C	A	B	C		
Max.Marks	2	6		8			8			6	10
COURSE OUTCOME	CO1	CO1		CO2			CO3			ALL	ALL
17A91A04A6	2	5		8			8			6	7
17A91A04A7	2	4		6			8			6	6
17A91A04A8	2	0		1			8			3	7
17A91A04A9	2	6		8			8			6	4
17A91A04B0	2	1		1			6			6	6
17A91A04B1	2	6		6			7			6	6
17A91A04B2	2			1			5			6	5
17A91A04B4	2	6		7			8			6	6
17A91A04B5	2	6		6			8			6	7
17A91A04B6	2	1		0			6			5	7
17A91A04B7	2	6		8			8			6	7
17A91A04B8	2	6		8			8			6	8
17A91A04B9	2	6		8			8			6	8
17A91A04C0	2	6		8			8			6	7
17A91A04C1	1	5		7			8			6	8
17A91A04C2	2	3		3			7			4	8
17A91A04C3	2	4		2			7			6	6
17A91A04C4	2	6		8			8			6	5
17A91A04C5	2	5		8			8			6	5
17A91A04C6	2	4		8			8			6	7
17A91A04C7	2	3		8			8			6	6
17A91A04C8	2	6		0			6			6	6
17A91A04C9		4		3			7			4	5
17A91A04D0	2	5		8			7			6	9
17A91A04D1	2	5		4			8			6	7
17A91A04D2		2		0			7			6	6
17A91A04D3	2	4		5			8			6	7
17A91A04D4	2	6					8			6	6
17A91A04D5	1	3		1			8			6	7
17A91A04D6	1	6		2			2			6	6
17A91A04D7	2	3		2			6			4	7
17A91A04D8	2	4		5			7			6	7
17A91A04D9	2	6		4			7			6	5
17A91A04E0	0	4		5			8			6	8
17A91A04E1	2	6		8			8			6	9
17A91A04E2	2	6		8			8			6	8
17A91A04E3	2	4		0			8			6	6

	Descriptive-I									Assignment -I	Objective -I
	Q1			Q2			Q3				
	A	B	C	A	B	C	A	B	C		
Max.Marks	2	6		8			8			6	10
COURSE OUTCOME	CO1	CO1		CO2			CO3			ALL	ALL
17A91A04E4	2	6		3			7			6	7
17A91A04E5	2	6		8			8			6	7
17A91A04E6	2	6		8			8			6	7
17A91A04E7	2	3		3			6			6	4
17A91A04E8	2	2					0			6	5
17A91A04E9	0	2					4			2	6
17A91A04F0	2	6		3			7			6	7
17A91A04F1	2	0					8			4	8
17A91A04F2	2	6		8			8			6	8
17A91A04F3	1	3		0			4			6	8
17A91A04F4	2	6		4			8			6	5
17A91A04F5		3					8			6	6
17A91A04F6	2	3					5			6	6
17A91A04F7	2	5		4			8			6	6
17A91A04F8	0	6		3			8			6	7
17A91A04F9	1	3		3			8			6	6
17A91A04G0	2	3		3			8			6	6
17A91A04G1	2	4		4			8			6	6
17A91A04G2		0		2			4			5	8
17A91A04G3		4		2			8			6	7
17A91A04G4	1	6		0			6			6	5
17A91A04G5	2	3		0			6			6	2
17A91A04G6	0	4		3			8			6	7
17A91A04G7	1	3		2			7			6	5
17A91A04G8	0	4		3			6			5	8
17A91A04G9	1	4		1			8			6	7
17A91A04H0	2	6		8			8			6	8
17A91A04H2	1	3		0			6			4	5
17A91A04H3	2	3		5			6			6	8
17A91A04H4	2	6		0			8			6	8
17A91A04H5	2	5		0			8			6	7
17A91A04H7	2	6		4			8			6	5
17A91A04H8	2	5		3			8			6	7
17A91A04H9	2	6		8			7			6	8
17A91A04I0	2	0		2			6			6	8
17A91A04I1	2	6		2			6			6	7
17A91A04I2	2	6		8			8			6	8

	Descriptive-I									Assignment -I	Objective -I
	Q1			Q2			Q3				
	A	B	C	A	B	C	A	B	C		
Max.Marks	2	6		8			8			6	10
COURSE OUTCOME	CO1	CO1		CO2			CO3			ALL	ALL
17A91A04I3	1	6		6			6			6	9
17A91A04I4	1	2		1			5			5	9
17A91A04I5	2	3					4			2	8
17A91A04I6	2	6		8			6			6	8
17A91A04I7	2	6		1			8			6	7
17A91A04I8										2	
17A91A04I9	1	6		3			7			6	6
17A91A04J0	2	6		8			7			6	8
17A91A04J2	2	6		8			8			6	7
17A91A04J3		4		1			8			6	8
17A91A04J4	2	6		3			8			6	6
17A91A04J5	1	1		6			4			6	7
17A91A04J6	2	3		0			7			6	5
17A91A04J7	2	6		8			8			6	8
17A91A04J8	2	6		8			8			6	7
17A91A04J9	2	6		8			8			6	7
17A91A04K0	2	5		8			8			6	7
17A91A04K1	1	2		2			8			6	7
17A91A04K2	1	3		2			6			6	8
17A91A04K3	2	6		8			8			6	8
17A91A04K4	2	6		4			8			6	9
17A91A04K5	2	3		5			5			6	9
17A91A04K6	1	6		4			8			6	8
17A91A04K7	2	5		1			8			6	9
17A91A04K8	0	6		2			8			6	8
17A91A04K9	1	3		7			4			6	6
17A91A04L0	2	4		5			8			6	6
17A91A04L1	2	6		8			7			6	7
17A91A04L2	1	6		2			7			6	7
17A91A04L3	2	6		3			8			6	9
17A91A04L4		6		0			8			6	9
17A91A04L5	1	3		2			4			6	6
17A91A04L6	2	6		8			8			6	7
17A91A04L7	1	6		8			8			6	8
17A91A04L8		6		3			6			6	5
17A91A04L9	1	4		8			7			6	6
17A91A04M0	1	5		0			5			6	7

	Descriptive-I									Assignment -I	Objective -I
	Q1			Q2			Q3				
	A	B	C	A	B	C	A	B	C		
Max.Marks	2	6		8			8			6	10
COURSE OUTCOME	CO1	CO1		CO2			CO3			ALL	ALL
17A91A04M1	0	2		3			4			5	5
17A91A04M2	0	4		1			8			5	8
17A91A04M3										6	
17A91A04M4	2	6		8			8			6	6
17A91A04M5	2	6		8			8			6	5
17A91A04M6	2	4		8			8			6	8
17A91A04M7	1	5		3			7			6	3
17A91A04M8	2	3		5			8			6	7
17A91A04M9	2	4		5			5			6	6
17A91A04N0	2	4		3			6			6	6
17A91A04N1	2	4		6			6			6	5
17A91A04N2	2	6		3			8			6	7
17A91A04N3	0	3		3			7			6	5
17A91A04N4	2	4		8			4			6	7
17A91A04N5	2			2			8			6	4
17A91A04N6	2	6		8			8			6	7
17A91A04N7	2	3		1			7			6	5
17A91A04N9	2	6		3			8			6	7
18A95A0401	2						0			0	3
18A95A0402	2						0			6	7
18A95A0403	1						4			0	5
18A95A0404	2	5		6			8			6	5
18A95A0405	2	1		1			8			6	6
18A95A0406	1			0			7			6	5
18A95A0407	2	6		8			7			6	8
18A95A0408	0	0		0			0			6	4
18A95A0409	2						2			0	5
18A95A0410	0						4			6	5
18A95A0411	1			2			2			6	5
18A95A0412										0	
18A95A0413	0			0			2			6	5
18A95A0414	1			0			1			6	7
18A95A0415	2	0		1			6			3	8
18A95A0416	2	5					2			5	9
18A95A0417	2			2			6			6	6
18A95A0418	2	3		1			4			6	6
18A95A0419	2						8			6	5

	Descriptive-I									Assignment -I	Objective -I
	Q1			Q2			Q3				
	A	B	C	A	B	C	A	B	C		
Max.Marks	2	6		8			8			6	10
COURSE OUTCOME	CO1	CO1		CO2			CO3			ALL	ALL
18A95A0420	2						2			4	6
18A95A0421	2						1			6	6
18A95A0422	0			1			2			4	6
18A95A0423	1	0		2			3			6	8
18A95A0424	2	6		8			8			6	8
18A95A0425	2	0		0			0			3	8
18A95A0426	2	1					0			6	7
18A95A0427	0	4		3			6			4	7
18A95A0428	0	4		3			7			6	7
18A95A0429	2	0		1			5			4	6
18A95A0430	2	4		4			7			6	8
18A95A0431	1	3		2			5			6	6
18A95A0432	1	4		4			5			6	6
18A95A0433	2	5		4			8			6	7
18A95A0434	2	3		2			6			6	5
18A95A0435	2	3		2			6			4	8
18A95A0436	2	6		3			8			6	8
18A95A0437	2	4		2			7			5	7
18A95A0438	0			2			6			4	5
18A95A0439	1	3		2			7			6	6
18A95A0440	2	6		8			8			6	5
18A95A0441	2	6		8			8			6	7
18A95A0442	2	6		8			8			6	8
18A95A0443	1	0					0			2	5
18A95A0444	2	6		3			6			6	5
18A95A0445	2	6		1			7			6	4
18A95A0446	2	4		3			6			6	6
18A95A0447	2	2		8			7			6	7
18A95A0448	2	6		8			7			6	8
18A95A0449		3		1			6			6	4

	Descriptive-I									Assignment -I	Objective -I
	Q1			Q2			Q3				
	A	B	C	A	B	C	A	B	C		
Max.Marks	2	6		8			8			6	10
COURSE OUTCOME	CO1	CO1		CO2			CO3			ALL	ALL
18A95A0450	2	6		8			8			6	8
18A95A0451	2	4		3			4			6	5
TARGET PERCENTAGE IN CO (INSTRUCTOR FIXED)	60.00%	60.00%	0.00%	60.00%	0.00%	0.00%	60.00%	0.00%	0.00%	60.00%	60.00%
MARKS SATISFYING TARGET PERCENTAGE	1.2	3.6	0.0	4.8	0.0	0.0	4.8	0.0	0.0	3.6	6.0
NO. OF STUDENTS ≥ TARGET PERCENTAGE	210	162	0	109	0	0	228	0	0	250	222
COURSE OUTCOME	CO1	CO1	-	CO2	-	-	CO3	-	-	ALL	ALL
CO ATTAINMENT %	79%	65%	-	44%	-	-	82%	-	-	89%	80%
ATTAINMENT LEVELS RESULTS	CO1	CO1	-	CO2	-	-	CO3	-	-	ALL	ALL
CO ATTAINMENT LEVEL	2	1	3	0	3	3	3	3	3	3	2
ANALYSIS OF ATTAINMENTS	CO1	CO1	-	CO2	-	-	CO3	-	-	FINAL ATTAINMENT VALUE (Average of all individual CO's and combined Assignment & Objective)	
CO1	2	1								2.17	
CO2				0						1.67	
CO3							3			2.67	
CO4										0.00	
CO5										0.00	
LEVELS ALLOCATED BASED ON TARGETS ATTAINED											
First level			1			Means 60% students attained more than target %					
Second level			2			Means 70% students attained more than target %					
Third level			3			Means 80% students attained more than target %					

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Aditya Engineering College
SIRAMPALAM

G. Seidur
Head of the Department
Department of E.C.E.
Aditya Engineering College (A97)

	Descriptive-II									Assignment -II	Objective -II
	Q1			Q2			Q3				
	A	B	C	A	B	C	A	B	C		
Max.Marks	5	3		4	4		4	4		6	10
COURSE OUTCOME	CO4	CO4		CO4	CO4		CO5	CO5		ALL	ALL
18A95A0444	0	0		1	0		2	0		6	5
18A95A0445	3	3		0			3	2		6	9
18A95A0446	2						3	2		6	6
18A95A0447	4	3		1	0		2	3		6	7
18A95A0448	5	3		4	4		4	4		6	8
18A95A0449	2	2					2			6	8
18A95A0450	3	3		4	1		2	0		6	9
18A95A0451	5	3		3	2		4	2		6	6
TARGET PERCENTAGE IN CO (INSTRUCTOR FIXED)	60.00%	60.00%	0.00%	60.00%	60.00%	0.00%	60.00%	60.00%	0.00%	60.00%	60.00%
MARKS SATISFYING TARGET PERCENTAGE	3.0	1.8	0.0	2.4	2.4	0.0	2.4	2.4	0.0	3.6	6.0
NO. OF STUDENTS >= TARGET PERCENTAGE	13	19	0	11	6	0	13	9	0	22	18
COURSE OUTCOME	CO4	CO4	-	CO4	CO4	-	CO5	CO5	-	ALL	ALL
CO ATTAINMENT %	62%	90%	-	69%	43%	-	62%	47%	-	100%	82%
ATTAINMENT LEVELS RESULTS	CO4	CO4	-	CO4	CO4	-	CO5	CO5	-	ALL	ALL
CO ATTAINMENT LEVEL	1	3	0	1	0	0	1	0	0	3	3
ANALYSIS OF ATTAINMENTS	CO4	CO4	-	CO4	CO4	-	CO5	CO5	-	FINAL ATTAINMENT VALUE (Average of all individual CO's and combined Assignment & Objective)	
CO1										0.00	
CO2										0.00	
CO3										0.00	
CO4	1	3		1	0					2.42	
CO5							1	0		2.17	
LEVELS ALLOCATED BASED ON TARGETS ATTAINED											
First level			1			Means 60% students attained more than target %					
Second level			2			Means 70% students attained more than target %					
Third level			3			Means 80% students attained more than target %					

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Aditya Engineering College
SURAMPALM

G. Sridhar
Head of the Department
Department of E.C.E.

ADITYA ENGINEERING COLLEGE(A)

INDIRECT CO ATTAINMENT(SURVEY)

ACADEMIC YEAR	2019-20	SEMESTER			VI			
BRANCH	Electronics and Communication Engineering	REGULATION			AR17			
COURSE	Digital Signal Processing	COURSE CODE			171EC6T15			
COURSE INSTRUCTOR	Dr. G. Sridevi/ Mr. V.Satyanarayana							
	COURSE OUTCOMES	Strongly Agree (5)	Agree (4)	Neither Agree Nor Disagree (Neutral) (3)	Disagree (2)	Strongly Disagree (1)	Weighted Average (5)	CO Attained Through Survey
CO1	I have the ability to Analyze Discrete Time Signals and Systems.	95	146	28	3	2	4.20	2.52
CO2	I have the ability to Determine the frequency response of different systems using DTFT.	73	148	48	2	3	4.04	2.43
CO3	I have the ability to Translate the DFT approach into algorithm approach FFT.	75	150	44	2	3	4.07	2.44
CO4	I have the ability to Design IIR & FIR filters using different techniques.	79	150	39	3	3	4.09	2.45
CO5	I have the ability to Analyze multirate DSP systems.	77	152	40	4	1	4.09	2.46

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Aditya Engineering College
SURAMPALAM

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Head of the Department
Department of E.C.E.
Aditya Engineering College (A9)

ADITYA ENGINEERING COLLEGE(A)

TOTAL COURSE OUTCOME(CO) ATTAINMENT

ACADEMIC YEAR	2019-20		SEMESTER	VI				
BRANCH	Electronics and Communication Engineering		REGULATION	AR17				
COURSE	Digital Signal Processing		COURSE CODE	171EC6T15				
COURSE INSTRUCTOR	Dr. G. Sridevi/ Mr. V.Satyanarayana							
COURSE ARTICULATION MATRIX								
ANALYSIS OF ATTAINMENTS	S1	S2	CO ATTAINMENT Sessionals	CO ATTAINMENT External Exams (BET SOFTWARE)	DIRECT CO ATTAINMENT	INDIRECT CO ATTAINMENT	TOTAL CO ATTAINMENT	CO ATTAINEMENT %
CO1	2.17	0.00	2.17	1.00	1.47	2.52	1.57	52.40%
CO2	1.67	0.00	1.67	2.00	1.87	2.43	1.92	64.09%
CO3	2.67	0.00	2.67	3.00	2.87	2.44	2.82	94.13%
CO4	0.00	2.42	2.42	2.00	2.17	2.45	2.20	73.18%
CO5	0.00	2.17	2.17	0.00	0.87	2.46	1.03	34.19%
COURSE CO ATTAINMENT							1.91	63.60%

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ADITYA ENGINEERING COLLEGE(A)

CO ATTAINMENT GAPS

ACADEMIC YEAR	2019-20	SEMESTER	VI
BRANCH	Electronics and Communication Engineering	REGULATION	AR17
COURSE	Digital Signal Processing	COURSE CODE	171EC6T15
COURSE INSTRUCTOR	Dr. G. Sridevi/ Mr. V.Satyanarayana		

COURSE ARTICULATION MATRIX

ANALYSIS OF ATTAINMENTS	CO TARGET %	CO ATTAINMENT %	CO ATTAINMENT GAP (Attainment-Target) %
CO1	60.00%	52.40%	-7.60%
CO2	60.00%	64.09%	4.09%
CO3	60.00%	94.13%	34.13%
CO4	60.00%	73.18%	13.18%
CO5	60.00%	34.19%	-25.81%

Signature of the Course Instructor

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Name & Signature of Course Coordinator

Dr. G. Sridhar, G. Sridhar

Name & Signature of HOD

Dr. G. Sridhar, G. Sridhar

Head of the Department
Department of E.C.E.
Aditya Engineering College (A9)

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ADITYA ENGINEERING COLLEGE(A)

BRIDGING THE ATTAINMENT GAP

ACADEMIC YEAR	2019-20	SEMESTER	VI
BRANCH	Electronics and Communication Engineering	REGULATION	AR17
COURSE	Digital Signal Processing	COURSE CODE	171EC6T15
COURSE INSTRUCTOR	Dr. G. Sridevi/ Mr. V.Satyanarayana		

COURSE ARTICULATION MATRIX

ANALYSIS OF ATTAINMENTS	CO TARGET %	CO ATTAINMENT %	CO ATTAINMENT GAP (Attainment-Target) %	Action proposed to bridge the Gap	Modification of target where achieved
CO1	60.00%	52.40%	-7.60%	Practice more number of examples and conduct tests	
CO2	60.00%	64.09%	4.09%		Same Target
CO3	60.00%	94.13%	34.13%		Same Target
CO4	60.00%	73.18%	13.18%		Same Target
CO5	60.00%	34.19%	-25.81%	More emphasis on sampling rate conversion realizations	

Signature of the Course Instructor

[Signature]

Name & Signature of Course Coordinator

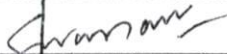
Dr. G. Sideri, G. Sideri

Name & Signature of HOD

Dr. G. Sideri, G. Sideri

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Aditya Engineering College (A9)

ADITYA ENGINEERING COLLEGE(A)															
FINAL PROGRAM OUTCOME(PO) ATTAINMENT															
ACADEMIC YEAR	2019-20								SEMESTER				VI		
BRANCH	Electronics and Communication Engineering								REGULATION				AR17		
COURSE	Digital Signal Processing								COURSE CODE				171EC6T15		
COURSE INSTRUCTOR	Dr. G. Sridevi/ Mr. V.Satyanarayana														
COURSE OUTCOME	TOTAL CO ATTAINMENT	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
COURSE ATTAINMENT	1.91														
MAPPING STRENGTH		2.40	2.00	1.40	1.00									1.80	
COURSE OUTCOME	TOTAL CO ATTAINMENT	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1.57	1	1	1	1	0	0	0	0	0	0	0	0	1	0
CO2	1.92	1	1	1	1	0	0	0	0	0	0	0	0	1	0
CO3	2.82	1	1	1	0	0	0	0	0	0	0	0	0	1	0
CO4	2.20	1	1	1	1	0	0	0	0	0	0	0	0	1	0
CO5	1.03	1	1	1	1	0	0	0	0	0	0	0	0	1	0
DIRECT PO ATTAINMENT	(MAPPING STRENGTH/3)* AVERAGE OF MAPPED COURSE OUTCOMES	1.53	1.27	0.89	0.56									1.14	
Signature of the Course Instructor															
Name & Signature of Course Coordinator						Dr. G. Sridevi, G. Sridevi									
Name & Signature of HOD						Dr. G. Sridevi, G. Sridevi									