

ADITYA ENGINEERING COLLEGE(A)

PROGRAM OUTCOME ATTAINMENT STATEMENT

BRANCH	MINING 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	PSO3	
101	English - I	1	1.88										1.87						
102	Mathematics - I	1	2.13	2.40	1.40														
103	Environmental Studies	1	1.65			0.81			0.88	1.65									
104	Engineering Chemistry	1	1.37	2.00															
105	Engineering Mechanics	1	1.83	1.52	1.01	0.48										0.24			
106	Computer Programming	1	1.1		0.83	0.52	0.52	1.18							1.24				
107	English Communication Skills Lab - I	1	2.41					2.50					2.50						
108	Engineering Chemistry Lab	1	2.41	0.91															
109	Computer Programming Lab	1	2.95	2.95	1.96	0.98	0.98	2.95	2.95										
201	English - II	2	1.75					0.50		0.47			1.48						
202	Mathematics - II	2	0.98	0.85	0.52														
203	Mathematics - III	2	1.56	1.35	0.83														
204	Engineering Physics	2	1.61	1.18															
205	Engineering Drawing	2	2.94		1.96	0.98		2.95					2.95						
206	Basic Electrical And Electronics Engineering	2	1.52	1.32	1.16	1.05	1.23		1.31	1.54									
207	English Communication Skills Lab – II	2	2.95										2.95		1.97				
208	Engineering Physics Lab	2	2.96	2.77				2.77											

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209	Engineering Workshop and IT Workshop	2	2.4	2.40	1.60	0.80		2.40							2.40	1.60	
301	Introduction To Mining Technology	3	1.68	0.78	1.31		1.28			2.45			1.17				
302	Basic Mechanical Engineering for Mines	3	1.04	0.55	0.69												
303	Probability And Statistics	3	1.64	3.00	2.00												
304	Material Engineering	3	1.69	0.67	1.01										1.57		
305	Mining Geology-I	3	1.57	0.71	0.92										1.21		
306	Computer Aided Engineering Drawing Practice	3	0.64	0.64				0.76					0.64		0.76		0.64 0.85
307	Electrical And Electronics Lab	3	1.32	1.10	0.66	0.44	0.44										
308	Basic Mechanical Engineering Lab	3	2.94	1.96	0.98							0.98			0.98		
401	Kinematics Of Machinery	4	1.18	0.63	0.63	0.39									0.39		
402	Computer Application in Mining	4	1.15	0.99	0.61	0.50	0.50	0.62								0.76	
403	Mining Geology –II	4	1.21	1.10	1.07		0.77								1.21		
404	Mine Surveying – I	4	1.04	1.04		0.99	0.66	1.13		0.64		0.91			1.04		
405	Surface Mining	4	1.01	1.01	0.40	0.35	0.98	0.80							1.01		
406	Fundamentals Of Rock Mechanics	4	1.55	0.72	0.93	0.50	1.36	1.56							1.55		
407	Geology Lab	4	2.95	0.98		1.96	2.95	2.95				0.98	0.98		0.98	2.95	
408	Computer Application in Mining Lab	4	2.93	2.94	2.93	2.93	2.93	2.93				0.98	0.98		0.98	2.93	
501	Under Ground Coal Mining Technology	5	1.84	1.59	1.18	1.49	1.58						1.52			1.84	
503	Mine Environment Engineering - I	5	0.92	0.86	0.89	0.84		0.75							0.92		
504	Basic Geo Mechanics	5	1.59	1.59	1.78	1.28	1.10								1.59		
505	Mine Surveying - II	5	1.23	1.23	0.96	0.64		0.95							1.23		

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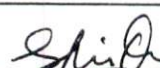
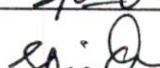
506	Managerial Economics and Financial Analysis	5	1.89	0.51	0.51						0.91	1.20	0.85				
506	Industrial Management and Labour Relations	5	1.71						1.49	1.49	1.43	1.05		1.38			1.71
507	Mine Construction and Management	5	1.34	0.63	1.49	1.14		1.21						0.76			1.34
508	Employability Skills – III	5	0.78	0.26									0.26		0.26		
509	Rock Mechanics Lab	5	2.95	2.95								0.98	0.98		0.98	2.95	
510	Mine Surveying Lab	5	2.95	2.95	2.16	0.98						0.98	0.98		0.98	2.36	
601	Under Ground Metal Mining Technology	6	2.17	2.03	1.73											2.17	
602	Mineral Processing Technology	6	2.25	2.25			0.74									2.25	
603	Mine Environment Engineering - II	6	2.24	2.24	1.49	1.80	0.79	1.80							2.24		
604	Mining Machinery	6	2.02	0.67	0.63	2.02	1.26									2.02	
605	Mine Fires and Spontaneous Heating	6	2.57	0.86	1.88	2.57	1.03	0.87									2.57
606	Rock Fragmentation Engineering	6	2.25	1.05	0.76	2.10											2.25
607	Mineral Processing Technology Lab	6	2.95	2.36	2.16	0.98		1.96				0.98	0.98		0.98	2.55	
608	Environmental Engineering Lab	6	2.41	1.28	2.40	2.41	1.60	1.20				0.80	0.80	2.41	0.80		
609	Employability Skills – IV	6	1.33	0.78	0.66			0.89	0.78	1.11	0.89	1.33			1.33	0.88	1.33
701	Mine Economics	7	1.06	0.71	1.06	0.43		0.24					1.12			1.06	
702	Mine Health and Safety Engineering	7	1.14	0.76	1.26	0.64	0.32										1.14
703	Mine Legislation and General Safety	7	1.04	0.26	0.78	1.01				0.57			1.02			1.04	
704	Mine Management	7	1.32	1.33	1.18	0.88								0.88		1.32	
705	Planning Of Surface Mining Project	7	1.25	0.42	1.47	1.03	0.98						1.69			1.25	
706	Mine Blasting Operation	7	0.85	0.72	0.83												0.79

707	Mine Planning and Design Lab	7	2.94	2.94	2.45	1.96						0.98	0.98		0.98	2.94		
708	Mechanical Engineering Lab	7	2.94	0.98	0.98							0.98						
709	Industry Oriented (Internship) Minor Project	7	2.05			1.37	1.36	2.05	2.05		2.05	2.05		2.05		2.05	2.05	2.05
801	Advance Surface Mining Technology	8	1.66	0.55	1.70	1.55	1.09	1.61		0.90							1.66	
802	Mine Closure and Reclamation	8	1.6		1.53			1.48	1.46				1.74			1.46	1.48	1.60
803	Major Project	8	2.95	1.31	1.97	2.94	1.96	2.94	1.97	1.97	1.96	0.98	1.97	0.98	0.98	2.95		
	DIRECT PO ATTAINMENT(Assessment Reports)			1.36	1.26	1.17	1.15	1.58	1.56	1.20	1.46	1.06	1.37	1.39	0.97	1.62	1.66	1.69
	ALUMNI SURVEY			2.44	2.56	2.59	2.56	2	2	2	2	2	2	2	2	2	2	2
	EMPLOYER SURVEY			3	2.4	3	3	3	3	3	3	3	3	3	3	3	3	3
	PARENTS' SURVEY			2.53	2.35	2.54	2.49	2.53	2.01	2.43	2.37	2.26	2.07	2.33	2	2	2	2
	PROGRAM EXIT SURVEY			2.49	2.47	2.45	2.46	2.32	2.43	2.46	2.46	2.47	2.41	2.45	2.4	2.37	2.26	2.33
	INDIRECT PO ATTAINMENT (Survey Reports)			2.62	2.45	2.65	2.63	2.46	2.36	2.47	2.46	2.43	2.37	2.45	2.35	2.34	2.32	2.33
	Equivalent Indirect PO Attainment			1.86	1.72	1.82	1.74	1.83	1.71	1.74	2.09	1.14	1.52	1.88	1.03	2.24	2.01	2.07
	FINAL PROGRAM OUTCOME ATTAINMENT (90% of Direct Attainment + 10% of Indirect Attainment)			2.11	2.07	2.04	1.97	2.19	2.12	2.07	2.51	1.39	1.88	2.26	1.29	2.81	2.54	2.61
	PO MAPPING STRENGTH			2.14	2.11	2.06	1.99	2.23	2.17	2.11	2.56	1.41	1.93	2.31	1.32	2.87	2.60	2.67
	PROGRAMME OUTCOME GAP			0.03	0.04	0.02	0.02	0.04	0.05	0.04	0.05	0.03	0.04	0.04	0.03	0.06	0.06	0.06

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Head of the Department

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DEPARTMENT OF MINING ENGINEERING
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ADITYA ENGINEERING COLLEGE(A)																
COURSE INPUT DATA																
ACADEMIC YEAR	2019-2020							SEMESTER	V							
BRANCH	MINING ENGINEERING							REGULATION	AR17							
COURSE	MINE ENVIRONMENT ENGINEERING - I							COURSE CODE	171MI5T10							
COURSE INSTRUCTOR	SATYAJEET PARIDA															
COURSE OUTCOMES																
CO1	Explain various gases origins, occurrence, physiological effects.															
CO2	Identify mine climatic conditions by using various devices															
CO3	Analyze the necessity of mine ventilation systems.															
CO4	Analyze the operation of mine fans and related laws.															
CO5	Assess the ventilation planning, design and ventilation survey.															
COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	
CO1	3	2											3			
CO2	3	2											3			
CO3	3	2											3			
CO4	3	2											3			
CO5	3	2											3			
MAPPING STRENGTH	3.00	2.00											3.00			
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									Satyajeet Parida 							
Name & Signature of HOD									Satyajeet Parida 							

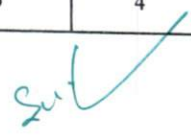
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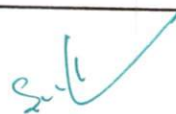
ADITYA ENGINEERING COLLEGE(A)								
SESSIONAL -I DATA								
ACADEMIC YEAR	2019-2020		SEMESTER		V			
BRANCH	MINING ENGINEERING		REGULATION		AR17			
COURSE NAME	MINE ENVIRONMENT ENGINEERING - I		COURSE CODE		171MI5T10			
DATE OF THE EXAMINATION	29-01-2021		SESSIONAL		I			
COURSE INSTRUCTOR	SATYAJEET PARIDA							
	Descriptive-I						Assignment-I	Objective-I
	Q1		Q2	Q3				
	A	B	A	A	B	C		
Max.Marks	4	4	8	4	2	2	6	10
COURSE OUTCOME	CO1	CO1	CO1	CO2	CO2	CO3	ALL	ALL
17A91A2602	2	2	0	1	0	0	2	3
17A91A2603	3	4	2	1	1	1	4	4
17A91A2606	0	0	0	1	0	1	2	5
17A91A2607	2	0	0	1	0	0	2	4
17A91A2608	1	2	0	1	2	0	3	5
17A91A2609	1	0	0	1	0	1	2	5
17A91A2610	2	0	0	1	1	0	2	3
17A91A2611	2	1	1	0	0	1	3	5
17A91A2612	2	1	1	0	0	0	2	5
17A91A2613	2	0	0	0	0	0	2	4
17A91A2614	0	0	4	1	0	0	2	3
17A91A2615	3	1	3	2	0	2	4	3
17A91A2616	1	0	0	1	0	1	2	4
17A91A2617	3	0	1	2	1	2	4	3
17A91A2618	1	0	1	0	1	0	2	5
17A91A2619	3	0	1	2	0	1	4	6
17A91A2620	3	1	7	2	2	2	6	6
17A91A2621	1	0	2	0	0	1	2	4
17A91A2623	1	0	2	1	0	0	2	3

	Descriptive-I						Assignment-I	Objective-I
	Q1		Q2	Q3				
	A	B	A	A	B	C		
Max.Marks	4	4	8	4	2	2	6	10
COURSE OUTCOME	CO1	CO1	CO1	CO2	CO2	CO3	ALL	ALL
17A91A2624	2	0	2	0	0	0	2	4
17A91A2625	1	0	0	1	0	1	2	4
18A95A2601	4	4	7	1	1	1	6	6
18A95A2602	4	2	5	3	2	2	6	7
18A95A2603	4	2	2	2	2	2	6	6
18A95A2604	4	1	2	2	2	2	5	5
18A95A2605	4	2	1	2	2	2	5	4
18A95A2606	4	4	2	2	2	2	5	3
18A95A2607	3	3	2	1	1	0	4	2
18A95A2608	4	1	1	2	1	2	5	4
18A95A2609	3	2	2	2	2	2	5	5
18A95A2610	3	0	2	2	0	2	4	2
18A95A2611	3	4	2	1	0	1	5	4
18A95A2612	3	0	0	2	2	2	4	5
18A95A2613	4	4	0	2	2	2	5	5
18A95A2614	4	0	2	2	2	2	5	4
18A95A2615	4	4	2	2	2	2	5	3
18A95A2616	4	4	4	2	2	2	6	6
18A95A2617	4	4	3	2	2	2	6	5
18A95A2618	4	3	1	2	2	0	5	5
18A95A2619	4	4	3	2	2	2	5	5
18A95A2620	4	0	0	3	0	1	4	3
18A95A2621							6	
18A95A2622	3	0	3	0	1	2	4	3
18A95A2623	3	0	1	1	1	2	4	4
18A95A2624	4	4	2	2	2	2	6	6

	Descriptive-I						Assignment-I	Objective-I
	Q1		Q2	Q3				
	A	B	A	A	B	C		
Max.Marks	4	4	8	4	2	2	6	10
COURSE OUTCOME	CO1	CO1	CO1	CO2	CO2	CO3	ALL	ALL
18A95A2625	4	0	0	2	2	2	5	7
18A95A2626	3	0	0	0	2	2	4	4
18A95A2627	4	1	0	2	2	1	4	4
18A95A2628	4	0	0	2	0	0	4	4
18A95A2629	4	0	0	2	2	2	4	3
18A95A2630	4	0	0	2	2	2	4	5
18A95A2631	3	0	0	0	0	0	2	4
18A95A2632	3	4	0	0	0	2	4	5
18A95A2633	3	3	0	0	0	2	4	4
18A95A2635	3	0	0	2	2	2	4	3
18A95A2636	4	4	3	2	2	2	6	5
18A95A2637	4	0	2	0	1	2	4	4
18A95A2638	4	4	2	0	2	2	4	5
18A95A2639	0	4	3	2	2	2	5	3
18A95A2640	0	4	8	2	1	2	6	4
18A95A2641	3	0	0	2	2	2	4	5
18A95A2642	4	0	4	2	2	2	5	5
18A95A2643	4	1	7	2	2	2	6	6
18A95A2644	4	3	0	2	0	2	4	3
18A95A2645	2	3	0	2	1	2		2
18A95A2646	4	0	0	2	0	0	3	3
18A95A2647	2	0	0	2	0	1	3	4
18A95A2648	4	1	8	2	2	2	6	4


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	Descriptive-I						Assignment-I	Objective-I
	Q1		Q2	Q3				
	A	B	A	A	B	C		
Max.Marks	4	4	8	4	2	2	6	10
COURSE OUTCOME	CO1	CO1	CO1	CO2	CO2	CO3	ALL	ALL
TARGET PERCENTAGE in CO (Instructor fixed)	60.00%	60.00%	60.00%	60.00%	60.00%	60.00%	60.00%	60.00%
MARKS SATISFYING TARGET PERCENTAGE	2.4	2.4	4.8	2.4	1.2	1.2	3.6	6.0
NO. OF STUDENTS >= TARGET PERCENTAGE	47	20	6	2	30	39	48	9
COURSE OUTCOME	CO1	CO1	CO1	CO2	CO2	CO3	ALL	ALL
CO ATTAINMENT %	70%	30%	9%	3%	45%	58%	72%	13%
Attainment levels results	CO1	CO1	CO1	CO2	CO2	CO3	ALL	ALL
CO ATTAINMENT LEVEL	2	0	0	0	0	0	2	0
ANALYSIS OF ATTAINMENTS	CO1	CO1	CO1	CO2	CO2	CO3	FINAL ATTAINMENT VALUE (average of all individual CO's and combined Assignment & Objective)	
CO1	2	1	0				2.67	
CO2				0	0		2.11	
CO3						1	2.33	
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(A)								
SESSIONAL -2 DATA								
BRANCH	MINING ENGINEERING			REGULATION		AR17		
COURSE NAME	MINE ENVIRONMENT ENGINEERING - I			COURSE CODE		171MI5T10		
DATE OF THE EXAMINATION	04-03-2021			SESSIONAL		II		
COURSE INSTRUCTOR	SATYAJEET PARIDA							
	Descriptive-II						Assignment-II	Objective-II
	Q1		Q2		Q3			
	A	B	A	B	A	B		
Max.Marks	4	4	4	4	4	2	6	10
COURSE OUTCOME	CO3	CO3	CO4	CO4	CO5	CO4	ALL	ALL
17A91A2602	2	0	2	3	2	1	4	5
17A91A2603	1	0	3	1	3	2	4	5
17A91A2606	0	0	2	0	0	0	3	5
17A91A2607	1	0	0	0	0	0	3	2
17A91A2608	1	0	0	0	0	0	3	2
17A91A2609	0	0	1	0	0	0	3	3
17A91A2610	0	1	0	0	1	0	3	5
17A91A2611	2	0	1	2	3	0	3	5
17A91A2612	2	0	1	0	1	0	3	5
17A91A2613	2	0	1	0	1	1	3	4
17A91A2614	0	1	0	0	3	0	3	2
17A91A2615	3	2	3	0	1	0	3	6
17A91A2616	1	0	1	0	1	0	3	3
17A91A2617	1	1	1	0	1	1	3	4
17A91A2618	0	0	1	0	1	0	3	5
17A91A2619	1	0	1	0	1	0	3	5
17A91A2620	3	1	4	2	4	1	6	5
17A91A2621	0	0	0	0	0	0	3	3
17A91A2623	1	1	0	0	1	0	3	4
17A91A2624	2	1	1	0	1	1	3	6
17A91A2625	2	1	3	0	1	2	3	5
18A95A2601	4	1	3	4	0	2	6	7
18A95A2602	3	1	2	4	1	2	6	8
18A95A2603	4	1	4	4	1	2	6	7
18A95A2604	3	1	2	0	0	2	4	6
18A95A2605	3	1	2	3	0	1	4	6
18A95A2606	3	0	2	3	0	2	5	5
18A95A2607	2	1	2	2	0	1	3	5
18A95A2608	2	1	1	2	0	2	3	6
18A95A2609	4	1	4	4	0	1	5	7
18A95A2610	4	1	4	4	0	2	5	8

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	Descriptive-II						Assignment-II	Objective-II
	Q1		Q2		Q3			
	A	B	A	B	A	B		
Max.Marks	4	4	4	4	4	2	6	10
COURSE OUTCOME	CO3	CO3	CO4	CO4	CO5	CO4	ALL	ALL
18A95A2611	4	0	3	0	0	0	3	7
18A95A2612	2	4	4	4	1	2	6	7
18A95A2613	2	0	0	1	0	0	3	7
18A95A2614	3	0	3	2	1	2	5	3
18A95A2615	2	0	3	4	3	2	6	8
18A95A2616	3	0	4	3	0	2	5	8
18A95A2617	3	0	4	1	0	2	4	9
18A95A2618	3	4	4	3	1	2	6	8
18A95A2619	3	1	3	4	4	2	6	7
18A95A2620	3	1	4	2	1	2	5	7
18A95A2621	3	0	4	4	0	2	5	8
18A95A2622	3	1	4	0	1	2	5	8
18A95A2623	3	2	2	3	1	2	5	10
18A95A2624	4	0	3	4	3	2	6	8
18A95A2625	3	0	4	2	0	2	4	6
18A95A2626	2	0	2	3	0	2	4	6
18A95A2627	3	0	4	4	1	1	5	6
18A95A2628	4	0	4	4	0	2	6	6
18A95A2629	4	4	4	3	4	2	6	6
18A95A2630	4	3	4	4	3	2	6	6
18A95A2631	3	1	3	4	4	2	6	8
18A95A2632	4	0	4	4	0	1	5	5
18A95A2633	4	1	2	2	1	1	5	8
18A95A2635	2	1	4	4	3	2	6	9
18A95A2636	4	4	4	4	1	2	6	7
18A95A2637	4	1	4	4	1	2	6	6
18A95A2638	4	2	4	4	1	2	6	8
18A95A2639	4	1	4	4	4	2	6	5
18A95A2640	3	1	2	2	4	2	6	7
18A95A2641	4	0	2	4	2	2	5	7
18A95A2642	4	1	3	4	1	1	5	9
18A95A2643							5	
18A95A2644	3	1	3	4	0	2	5	8
18A95A2645	4	1	4	4	0	1	5	7
18A95A2646	3	1	4	3	1	2	5	7
18A95A2647	3	1	1	4	0	1	4	6
18A95A2648	4	4	3	3	4	2	6	8

	Descriptive-II						Assignment-II	Objective-II
	Q1		Q2		Q3			
	A	B	A	B	A	B		
Max.Marks	4	4	4	4	4	2	6	10
COURSE OUTCOME	CO3	CO3	CO4	CO4	CO5	CO4	ALL	ALL
TARGET PERCENTAGE in CO (Instructor fixed)	60.00%	60.00%	60.00%	60.00%	60.00%	60.00%	60.00%	60.00%
MARKS SATISFYING TARGET PERCENTAGE	3.0	1.8	2.4	2.4	2.4	2.4	3.6	6.0
NO. OF STUDENTS >= TARGET PERCENTAGE	52	40	42	31	17	36	71	70
COURSE OUTCOME	CO3	CO3	CO4	CO4	CO5	CO4	ALL	ALL
CO ATTAINMENT %	73%	56%	59%	44%	24%	51%	100%	99%
Attainment levels results	CO3	CO3	CO4	CO4	CO5	CO4	ALL	ALL
CO ATTAINMENT LEVEL	2	0	0	0	0	0	3	3
ANALYSIS OF ATTAINMENTS	CO3	CO3	CO4	CO4	CO5	CO4	FINAL ATTAINMENT VALUE (average of all individual CO's and combined Assignment & Objective)	
CO1							0.00	
CO2							0.00	
CO3	2	0					2.33	
CO4			0	0			2.00	
CO5					0	0	2.00	
	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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INDIRECT CO ATTAINMENT(SURVEY)

ACADEMIC YEAR	2019-2020	SEMESTER		V				
BRANCH	MINING ENGINEERING	REGULATION		AR17				
COURSE	MINE ENVIRONMENT ENGINEERING - I	COURSE CODE		171MI5T10				
COURSE INSTRUCTOR	SATYAJEET PARIDA							
	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 Explain various gasesorigins, occurrence, physiological effects.	27	32	7	1	0	4.27	2.56
CO2	I have the ability to Identify mine climatic conditions by using various devices	21	30	15	1	0	4.06	2.44
CO3	I have the ability to Analyze the necessity of mine ventilation systems.	19	36	11	1	0	4.09	2.45
CO4	I have the ability to Analyze the operation of mine fans and related laws.	17	32	15	3	0	3.94	2.36
CO5	I have the ability to Assess the ventilation planning, design and ventilation survey.	18	35	13	0	1	4.03	2.42


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TOTAL COURSE OUTCOME(CO) ATTAINMENT

ACADEMIC YEAR	2019-2020			SEMESTER	V			
BRANCH	MINING ENGINEERING			REGULATION	AR17			
COURSE	MINE ENVIRONMENT ENGINEERING - I			COURSE CODE	171MI5T10			
COURSE INSTRUCTOR	SATYAJEET PARIDA							
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	0.89	0.00	0.89	0.75	0.81	2.56	0.98	32.71%
CO2	0.67	0.00	0.67	0.5	0.57	2.44	0.75	25.00%
CO3	0.67	0.00	0.67	0.666666667	0.70	2.45	0.88	29.17%
CO4	0.00	0.83	0.83	1.25	1.02	2.36	1.15	38.47%
CO5	0.00	0.67	0.67	0.666666667	0.67	2.42	0.84	28.07%
COURSE CO ATTAINMENT							0.92	30.68%

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ADITYA ENGINEERING COLLEGE(A)

CO ATTAINMENT GAPS

ACADEMIC YEAR	2019-2020	SEMESTER	V
BRANCH	MINING ENGINEERING	REGULATION	AR17
COURSE	MINE ENVIRONMENT ENGINEERING - I	COURSE CODE	171MI5T10
COURSE INSTRUCTOR	SATYAJEET PARIDA		
	COURSE ARTICULATION MATRIX		
ANALYSIS OF ATTAINMENTS	CO TARGET %	CO ATTAINMENT %	CO ATTAINMENT GAP (Attainment-Target) %
CO1	60.00%	32.71%	-27.29%
CO2	60.00%	25.00%	-35.00%
CO3	60.00%	29.17%	-30.83%
CO4	60.00%	38.47%	-21.53%
CO5	60.00%	28.07%	-31.93%
Signature of the Course Instructor	<i>Satya</i>		
Name & Signature of Course Coordinator	<i>Satya</i> <i>Parida</i> <i>Satya</i>		
Name & Signature of HOD	<i>Satya</i> <i>Parida</i> <i>Satya</i>		

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BRIDGING THE ATTAINMENT GAP

ACADEMIC YEAR	2019-2020	SEMESTER	V
BRANCH	MINING ENGINEERING	REGULATION	AR17
COURSE	MINE ENVIRONMENT ENGINEERING - I	COURSE CODE	171MI5T10
COURSE INSTRUCTOR	SATYAJEET PARIDA		

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%	32.71%	-27.29%	More demonstration required	
CO2	60.00%	25.00%	-35.00%	More problem solving sessions required	
CO3	60.00%	29.17%	-30.83%	More classes needed to recap the fundamental	
CO4	60.00%	38.47%	-21.53%	More problem solving sessions required	
CO5	60.00%	28.07%	-31.93%	More animations needed	
Signature of the Course Instructor	<i>Satya</i>				
Name & Signature of Course Coordinator	<i>Satya</i>				
Name & Signature of HOD	<i>Satya</i>				

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FINAL PROGRAM OUTCOME(PO) ATTAINMENT																	
ACADEMIC YEAR	2019-2020										SEMESTER	V					
BRANCH	MINING ENGINEERING										REGULATION	AR17					
COURSE	MINE ENVIRONMENT ENGINEERING - I										COURSE CODE	171MI5T10					
COURSE INSTRUCTOR	SATYAJEET PARIDA																
COURSE OUTCOME	TOTAL CO ATTAINMENT	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	
COURSE ATTAINMENT	0.92																
MAPPING STRENGTH		3.00	2.00											3.00			
COURSE OUTCOME	TOTAL CO ATTAINMENT	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2		
CO1	0.98	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
CO2	0.75	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	
CO3	0.88	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	
CO4	1.15	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	
CO5	0.84	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	
DIRECT PO ATTAINMENT	(Mapping Strength/3)* AVERAGE OF MAPPED Course Outcomes	0.92	0.61											0.92			
Signature of the Course Instructor		<i>Satya Jeet Parida</i>															
Name & Signature of Course Coordinator		<i>Satya Jeet Parida</i>															
Name & Signature of HOD		<i>Satya Jeet Parida</i>															

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