

Date: 10/01/2020

From

Mr. Satyajeet Parida,  
Head of the Department,  
Department of Mining Engineering,  
Aditya Engineering College (A)

To

The Principal,  
Aditya Engineering College (A)

Sub: Request to grant permission for organizing a Value Added Course on "Surpac and its Use in Mining Industry"

Respected Sir,

Software tools are playing a major role in the field of Mining. Surpac software is used for the purpose of reserve estimation and helps to know the total reserve in that particular lease area. So to enhance the technical abilities of students pursuing B.Tech-VIII and VI Semester, the Department of Mining Engineering is proposing to organize a Value Added Course entitled "Surpac and its Use in Mining Industry", during the period of 03<sup>rd</sup> – 07<sup>th</sup> February 2020.

Hence, I request you to grant permission to organize the program with the necessary arrangements.

Thanking you,

*Permitted*  
*Sat*

*Sat*  
Yours truly,

Head of the Department,

Department of MIN.E.

**Head of the Department**  
**DEPARTMENT OF MINING ENGINEERING**  
**ADITYA ENGINEERING COLLEGE (A)**



# ADITYA ENGINEERING COLLEGE

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Aditya Nagar, ADB Road, Surampalem - 533437, Near Kakina, E.G.Dt., Ph: 99498 76662

## Department of Mining Engineering

Date: 18/01/2020

### CIRCULAR

All the students of IV and III B.Tech are hereby informed that the department is offering value added course on “**Surpac and its use in Mining Industry**” through online mode which is scheduled from 03-02-2020 to 07-02-2020, Timings from 10:00 am to 5:00 pm. The interested students can enroll their names to the Co-Ordinator Dr. A.K. Tripathi on or before 28-01-2020. Certificate will be provided to all participants after the successful completion of the course. The classes for the course will be held in K.L Rao Bhawan Room No 402.

  
Head of the Department

Head of the Department  
DEPARTMENT OF MINING ENGINEERING  
ADITYA ENGINEERING COLLEGE (A9)



## COURSE CONTENT

The following topics will be covered

Topic	Hours
Introduction to sampling and its different types	4
Discussion of different method to determine the average grade	6
Constant distance weighting technique and Inverse weighting technique	6
Geostatistical approach-kriging	4
Introduction to Surpac, Calculation of lease boundary using bearing Distance	6
Introduction to geological data, String File, its utilization	4
<b>Total hours</b>	<b>30</b>

## COURSE OUTCOMES

At the end of the course student will be able to

- Understand the importance and basic principles of Geo-statistics.
- Know the different Reserve estimation methods
- Know different reserve estimation techniques through Surpac

## RESOURCE PERSON

**Mr. Satyajeet Parida**

Assistant Professor

Department of Mining Engineering, AEC

Email: [parida.satyajeet@aec.edu.in](mailto:parida.satyajeet@aec.edu.in)

*S. Parida*  
Head of the Department  
DEPARTMENT OF MINING ENGINEERING  
ADITYA ENGINEERING COLLEGE (A)

## Value Added Course

on

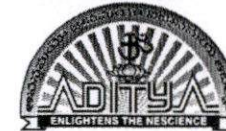
**Surpac and its Uses in Mining Industry**

**3<sup>rd</sup> to 7<sup>th</sup> February 2020**



**Organized by**

**Department of Mining Engineering**



**ADITYA ENGINEERING COLLEGE (A)**

## CO-ORDINATOR

**Dr. A.k Tripathi**

Assistant Professor

Email: [hod\\_mine@aec.edu.in](mailto:hod_mine@aec.edu.in)



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## Department of Mining Engineering


### Value Added Course Report

Name of the Course	Surpac and its use in Mining Industry																
Introduction to Event	The knowledge on the importance of Surpac software and its uses in the mining industry will be discussed in this course here inverse weighting technique, geostatistical approach, etc will also be discussed.																
Event date	03-02-2020 to 07-02-2020																
Number of days	5																
Coordinator(s)	Dr. A.K Tripathi																
Agenda/Event Flow	<table><thead><tr><th>Topic</th><th>Hours</th></tr></thead><tbody><tr><td>Introduction to sampling and its different types</td><td>4</td></tr><tr><td>Discussion of different method to determine the average grade</td><td>6</td></tr><tr><td>Constant distance weighting technique and Inverse weighting technique</td><td>6</td></tr><tr><td>Geostatistical approach-kriging</td><td>4</td></tr><tr><td>Introduction to Surpac, Calculation of lease boundary using bearing Distance</td><td>6</td></tr><tr><td>Introduction to geological data, String File, its utilization</td><td>4</td></tr><tr><td><b>Total hours</b></td><td><b>30</b></td></tr></tbody></table>	Topic	Hours	Introduction to sampling and its different types	4	Discussion of different method to determine the average grade	6	Constant distance weighting technique and Inverse weighting technique	6	Geostatistical approach-kriging	4	Introduction to Surpac, Calculation of lease boundary using bearing Distance	6	Introduction to geological data, String File, its utilization	4	<b>Total hours</b>	<b>30</b>
Topic	Hours																
Introduction to sampling and its different types	4																
Discussion of different method to determine the average grade	6																
Constant distance weighting technique and Inverse weighting technique	6																
Geostatistical approach-kriging	4																
Introduction to Surpac, Calculation of lease boundary using bearing Distance	6																
Introduction to geological data, String File, its utilization	4																
<b>Total hours</b>	<b>30</b>																
No of Students participated and list	73 and the participant list is Enclosed																
Target participants	B.Tech VI and VIII Semester																
Participants list	Enclosed																
Participants Attendance Sheet(enclosure)	Enclosed																
Resource person(s)	<b>Mr. Satyajeet Parida</b> Assistant Professor, AEC Contact No-9603231934 Email id- parida.satyajeet@aec.edu.in																
Profile of resource person(s) in brief	Enclosed																



Location and venue	KLB-402, Aditya Engineering College
Outcomes	<p>At the end of the course student will be able to</p> <ul style="list-style-type: none"> <li>➤ Understand the importance and basic principles of Geo-statistics.</li> <li>➤ Know the different Reserve estimation methods</li> <li>➤ Know different reserve estimation techniques through Surpac</li> </ul>

  
**Course Coordinator**

  
**Head of the Department**  
*Head of the Department*  
 DEPARTMENT OF MINING ENGINEERING  
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## Department of Mining Engineering

Course Name-Surpac and its use in Mining Industry

Scheduled Tenure- 03-02-2020 to 07-02-2020

KLB Room No 402

S.NO	Dept	Name	Roll No	Semester
1	MINING	KASTURI PAVAN KALYAN	17A95A2608	VIII
2	MINING	MITTA MEEDI DANA PAVAN KALYAN	17A95A2609	VIII
3	MINING	RAPELLI ABHILASH	17A95A2610	VIII
4	MINING	KADALI MEGHA SHYAM	17A95A2611	VIII
5	MINING	MALLIMOGGALA HARISURYAVARDHAN	17A95A2612	VIII
6	MINING	PAMURU PAVAN	17A95A2613	VIII
7	MINING	KUCHI SAI KUMAR	17A95A2614	VIII
8	MINING	ADDAGATLA SAI KUMAR	17A95A2615	VIII
9	MINING	POOJARI VINAYKRISHNA	17A95A2616	VIII
10	MINING	BODDULA SAIPRATHAP	17A95A2617	VIII
11	MINING	SHAIK SAMEER	17A95A2618	VIII
12	MINING	BAYYAVARAPU PAVAN KUMAR	17A95A2619	VIII
13	MINING	ANDE RAHUL	17A95A2620	VIII
14	MINING	ALUGULA AKHIL	17A95A2621	VIII
15	MINING	NALLURI SATHISH KUMAR	17A95A2622	VIII
16	MINING	NOOKALA SRIKANTH	17A95A2623	VIII
17	MINING	BENJIMAN SHANKAR SINGH	17A95A2624	VIII
18	MINING	MOHAMMAD YOUSUF	17A95A2625	VIII
19	MINING	ALLAM SURAJ	17A95A2626	VIII
20	MINING	SIYYADRI SHARON KUMAR	17A95A2627	VIII
21	MINING	BOLLAM RAVITEJA	17A95A2628	VIII
22	MINING	ARKAM RAKESH	17A95A2629	VIII
23	MINING	GADDAM AVINASH	17A95A2630	VIII
24	MINING	THOTA RAJENDRA	17A95A2631	VIII
25	MINING	PARNANDHI THARUN	17A95A2632	VIII
26	MINING	BATHULA PAVAN KALYAN	17A95A2633	VIII
27	MINING	KANUKUTLA SRIDHAR	17A95A2634	VIII
28	MINING	JANGA RATHNAKAR REDDY	17A95A2635	VIII
29	MINING	PUPPALA NAVEEN	17A95A2636	VIII
30	MINING	BANDARI AVINASH	17A95A2637	VIII
31	MINING	CHEKKILLA THARUN KUMAR	17A95A2638	VIII
32	MINING	MANDALA VISHAL	17A95A2639	VIII
33	MINING	RACHARLA RAKESH	17A95A2640	VIII
34	MINING	NAMU SAIKUMAR	17A95A2641	VIII
35	MINING	AKULA ADITHYA KUMAR	17A95A2642	VIII
36	MINING	TAMISETTI NARESH	17A95A2643	VIII
37	MINING	SAMALA SWAMY	17A95A2644	VIII
38	MINING	THANNERU SUMANTH	17A95A2645	VIII
39	MINING	BEEMANADHUNI VAMSHI KRISHNA	17A95A2646	VIII
40	MINING	MANTHENA VISHNU VARDHAN	17A95A2647	VIII
41	MINING	GONTLA SAI CHAITANYA	17HJ5A2618	VIII



42	MINING	AKSHAY KUMAR BHARTI	17A91A2602	VI
43	MINING	AMIT PRASAD	17A91A2603	VI
44	MINING	JETTY CHANDU DURGA VENKATA Koushik	17A91A2605	VI
45	MINING	KOLASANI PRUDHVI	17A91A2606	VI
46	MINING	KRISHNA PRASAD U	17A91A2607	VI
47	MINING	KUMAR ABHISHEK	17A91A2608	VI
48	MINING	MELBIN THOMAS	17A91A2609	VI
49	MINING	MUHAMMED MUHSINKK	17A91A2610	VI
50	MINING	MUKESH V	17A91A2611	VI
51	MINING	PRASHANT KUMAR	17A91A2612	VI
52	MINING	PYDIKONDA VINAYAKA SWAMY	17A91A2613	VI
53	MINING	RAJESH KUMAR B	17A91A2614	VI
54	MINING	RISHI KUMAR G	17A91A2615	VI
55	MINING	M SATISH	17A91A2616	VI
56	MINING	SHAFAT P. K.	17A91A2617	VI
57	MINING	SIBI AMUTHAN M K	17A91A2618	VI
58	MINING	SREYAS PRAMOD	17A91A2619	VI
59	MINING	SUDESH MAHTO	17A91A2620	VI
60	MINING	THALLAPPELLI PAVAN KALYAN	17A91A2621	VI
61	MINING	VISHNUMOLAKALA VENKATA SUMANTH	17A91A2623	VI
62	MINING	PERAM RANADEEP REDDY	17A91A2624	VI
63	MINING	ASHIM SHRESTHA	17A91A2625	VI
64	MINING	SAMARTH SHRESTHA	17A91A2626	VI
65	MINING	VUDUMULLA KALYAN REDDY	18A95A2601	VI
66	MINING	GUGULOTH JAGADEESH	18A95A2602	VI
67	MINING	GARREPELLI PAVAN CHANDER	18A95A2603	VI
68	MINING	VISHNUBHAKTHULA SHIVASAI	18A95A2604	VI
69	MINING	KANAKAPUDI VARSHITH	18A95A2605	VI
70	MINING	BHUKYA ANIL NAIK	18A95A2606	VI
71	MINING	MOHAMMED FIRDOZ	18A95A2607	VI
72	MINING	ERLA ESAK	18A95A2608	VI
73	MINING	MOHAMMAD SHAHJAHAN	18A95A2609	VI

  
Faculty Co-Ordinator

  
Head of the Department

**Head of the Department**  
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Department :Mining Engineering				Attendance,Duration:03-02-2020 to 07-02-2020																													
Course : Surpac and its use in Mining Industry.				03-02-2020						04-02-2020						05-02-2020						06-02-2020						07-02-2020					
				FN			AN			FN			AN			FN			AN			FN			AN			FN			AN		
S.No	Roll.No	Name	Semester	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6
1	17A95A2608	KASTURI PAVAN KALYAN	VIII	K.Pavan Kalyan	K.Pavan Kalyan		K.Pavan Kalyan			K.Pavan Kalyan	K.Pavan Kalyan		K.Pavan Kalyan			K.Pavan Kalyan	K.Pavan Kalyan		K.Pavan Kalyan			K.Pavan Kalyan	K.Pavan Kalyan		K.Pavan Kalyan			K.Pavan Kalyan	K.Pavan Kalyan		K.Pavan Kalyan		
2	17A95A2609	MITTA MEEDI DANA PAVAN KALYAN	VIII	M.M Pavan Kalyan	A		M.M Pavan Kalyan			M.M Pavan Kalyan	M.M Pavan Kalyan		M.M Pavan Kalyan			M.M Pavan Kalyan	M.M Pavan Kalyan		M.M Pavan Kalyan			M.M Pavan Kalyan	M.M Pavan Kalyan		M.M Pavan Kalyan			M.M Pavan Kalyan	M.M Pavan Kalyan		M.M Pavan Kalyan		
3	17A95A2610	RAPELLI ABHILASH	VIII	R.Abhilash	R.Abhilash		R.Abhilash			R.Abhilash	R.Abhilash		R.Abhilash			R.Abhilash	R.Abhilash		R.Abhilash			R.Abhilash	R.Abhilash		R.Abhilash			R.Abhilash	R.Abhilash		R.Abhilash		
4	17A95A2611	KADALI MEGHA SHYAM	VIII	K.megha shyam	K.mega		K.mega			K.mega	K.mega		K.mega			K.mega	K.mega		K.mega			K.mega	K.mega		A		K.mega	K.mega		K.mega			
5	17A95A2612	MALLIMOGGALA HARISURYAVARDHAN	VIII	m.harisuryavardhan	m.Hare		m.Hare			m.Hare	m.Hare		m.Hare			m.Hare	m.Hare		m.Hare			m.Hare	m.Hare		m.Hare			m.Hare	m.Hare		m.Hare		
6	17A95A2613	PAMURU PAVAN	VIII	P.Pavan	P.Pavan		P.Pavan			P.Pavan	P.Pavan		P.Pavan			A	P.Pavan		P.Pavan			P.Pavan	P.Pavan		P.Pavan			P.Pavan	P.Pavan		P.Pavan		
7	17A95A2614	KUCHI SAI KUMAR	VIII	K.Sai Kumar	K.Sai Kumar		K.Sai Kumar			K.Sai Kumar	K.Sai Kumar		K.Sai Kumar			K.Sai Kumar	K.Sai Kumar		K.Sai Kumar			K.Sai Kumar	K.Sai Kumar		K.Sai Kumar			K.Sai Kumar	K.Sai Kumar		K.Sai Kumar		
8	17A95A2615	ADDAGATLA SAI KUMAR	VIII	A.Sai Kumar	A.Sai Kumar		A.Sai Kumar			A.Sai Kumar	A.Sai Kumar		A.Sai Kumar			A.Sai Kumar	A.Sai Kumar		A.Sai Kumar			A.Sai Kumar	A.Sai Kumar		A.Sai Kumar			A.Sai Kumar	A.Sai Kumar		A.Sai Kumar		
9	17A95A2616	POOJARI VINAYKRISHNA	VIII	p.vinaykrishna	p.vinaykrishna		p.vinaykrishna			p.vinaykrishna	p.vinaykrishna		p.vinaykrishna			p.vinaykrishna	p.vinaykrishna		p.vinaykrishna			p.vinaykrishna	p.vinaykrishna		p.vinaykrishna			p.vinaykrishna	p.vinaykrishna		p.vinaykrishna		
10	17A95A2617	BODDULA SAIPRATHAP	VIII	B.saiprathap	B.saiprathap		B.saiprathap			B.saiprathap	B.saiprathap		B.saiprathap			B.saiprathap	B.saiprathap		B.saiprathap			B.saiprathap	B.saiprathap		B.saiprathap			B.saiprathap	B.saiprathap		B.saiprathap		
11	17A95A2618	SHAIK SAMEER	VIII	S.sameer	S.sameer		S.sameer			S.sameer	S.sameer		S.sameer			S.sameer	S.sameer		S.sameer			S.sameer	S.sameer		S.sameer			S.sameer	S.sameer		S.sameer		
12	17A95A2619	BAYYAVARAPU PAVAN KUMAR	VIII	B.pavan kumar	A		B.pavan kumar			B.pavan kumar	B.pavan kumar		B.pavan kumar			B.pavan kumar	B.pavan kumar		B.pavan kumar			B.pavan kumar	B.pavan kumar		A		B.pavan kumar	B.pavan kumar		B.pavan kumar			
13	17A95A2620	ANDE RAHUL	VIII	A.Rahul	A.Rahul		A.Rahul			A.Rahul	A.Rahul		A.Rahul			A.Rahul	A.Rahul		A.Rahul			A.Rahul	A.Rahul		A.Rahul			A.Rahul	A.Rahul		A.Rahul		
14	17A95A2621	ALUGULA AKHIL	VIII	A.Akhil	A.Akhil		A.Akhil			A.Akhil	A.Akhil		A.Akhil			A.Akhil	A.Akhil		A.Akhil			A.Akhil	A.Akhil		A.Akhil			A.Akhil	A.Akhil		A.Akhil		
15	17A95A2622	NALLURI SATHISH KUMAR	VIII	Sathish	Sathish		Sathish			Sathish	Sathish		Sathish			Sathish	Sathish		Sathish			Sathish	Sathish		Sathish			Sathish	Sathish		Sathish		
16	17A95A2623	NOOKALA SRIKANTH	VIII	Srikanth	Srikanth		Srikanth			Srikanth	Srikanth		Srikanth			Srikanth	Srikanth		Srikanth			Srikanth	Srikanth		Srikanth			Srikanth	Srikanth		Srikanth		
17	17A95A2624	BENJIMAN SHANKAR SINGH	VIII	Shankar	Shankar		Shankar			Shankar	Shankar		Shankar			Shankar	Shankar		Shankar			Shankar	Shankar		Shankar			Shankar	Shankar		Shankar		



Department :Mining Engineering				Attendance,Duration:03-02-2020 to 07-02-2020																													
Course : Surpac and its use in Mining Industry				03-02-2020						04-02-2020						05-02-2020						06-02-2020						07-02-2020					
				FN			AN			FN			AN			FN			AN			FN			AN			FN			AN		
S.No	Roll.No	Name	Semester	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6
18	17A95A2625	MOHAMMAD YOUSUF	VIII	md.yousuf			md.yousuf			md.yousuf			md.yousuf			md.yousuf			md.yousuf			md.yousuf			md.yousuf			md.yousuf			md.yousuf		
19	17A95A2626	ALLAM SURAJ	VIII	suraj			suraj			suraj			suraj			suraj			suraj			suraj			suraj			suraj			suraj		
20	17A95A2627	SIYYADRI SHARON KUMAR	VIII	sharon kumar			sharon kumar			sharon kumar			sharon kumar			sharon kumar			sharon kumar			sharon kumar			sharon kumar			sharon kumar			sharon kumar		
21	17A95A2628	BOLLAM RAVITEJA	VIII	raviteja			A			Raviteja			Raviteja			Raviteja			Raviteja			Raviteja			Raviteja			Raviteja			Raviteja		
22	17A95A2629	ARKAM RAKESH	VIII	rkesh			rkesh			rkesh			rkesh			rkesh			rkesh			rkesh			rkesh			rkesh			rkesh		
23	17A95A2630	GADDAM AVINASH	VIII	avinash			avinash			avinash			avinash			avinash			avinash			avinash			avinash			avinash			avinash		
24	17A95A2631	THOTA RAJENDRA	VIII	rajendra			rajendra			rajendra			rajendra			rajendra			rajendra			rajendra			rajendra			rajendra			rajendra		
25	17A95A2632	PARNANDHI THARUN	VIII	tharun			tharun			tharun			tharun			tharun			tharun			tharun			tharun			tharun			tharun		
26	17A95A2633	BATHULA PAVAN KALYAN	VIII	B.Pavan			B.Pavan			B.Pavan			A			B.Pavan			B.Pavan			B.Pavan			B.Pavan			B.Pavan			B.Pavan		
27	17A95A2634	KANUKUTLA SRIDHAR	VIII	ksridhar			ksridhar			ksridhar			ksridhar			ksridhar			ksridhar			ksridhar			A			ksridhar			A		
28	17A95A2635	JANGA RATHNAKAR REDDY	VIII	Rathnakar reddy			Rathnakar reddy			Rathnakar reddy			Rathnakar reddy			Rathnakar reddy			Rathnakar reddy			Rathnakar reddy			Rathnakar reddy			Rathnakar reddy			Rathnakar reddy		
29	17A95A2636	PUPPALA NAVEEN	VIII	P.naveen			P.naveen			P.naveen			P.naveen			P.naveen			P.naveen			P.naveen			P.naveen			P.naveen			P.naveen		
30	17A95A2637	BANDARI AVINASH	VIII	B.Avinash			B.Avinash			B.Avinash			B.Avinash			B.Avinash			B.Avinash			B.Avinash			B.Avinash			B.Avinash			B.Avinash		
31	17A95A2638	CHEKKILLA THARUN KUMAR	VIII	C.Tharun			A			C.Tharun			C.Tharun			C.Tharun			C.Tharun			C.Tharun			A			C.Tharun			A		
32	17A95A2639	MANDALA VISHAL	VIII	M.vishal			M.vishal			M.vishal			M.vishal			M.vishal			M.vishal			M.vishal			M.vishal			M.vishal			M.vishal		
33	17A95A2640	RACHARLA RAKESH	VIII	R.Rakesh			R.Rakesh			R.Rakesh			R.Rakesh			R.Rakesh			R.Rakesh			R.Rakesh			R.Rakesh			R.Rakesh			R.Rakesh		
34	17A95A2641	NAMU SAIKUMAR	VIII	N.Saikumar			N.Saikumar			N.Saikumar			N.Saikumar			N.Saikumar			N.Saikumar			N.Saikumar			N.Saikumar			N.Saikumar			N.Saikumar		
35	17A95A2642	AKULA ADITHYA KUMAR	VIII	A.Aditya kumar			A			Aditya kumar			A			Aditya kumar			Aditya kumar			Aditya kumar			A			Aditya kumar			A		
36	17A95A2643	TAMISETTI NARESH	VIII	T.naresh			T.naresh			T.naresh			T.naresh			T.naresh			T.naresh			T.naresh			T.naresh			T.naresh			T.naresh		
37	17A95A2644	SAMALA SWAMY	VIII	Swamy			Swamy			Swamy			Swamy			Swamy			Swamy			Swamy			Swamy			Swamy			Swamy		
38	17A95A2645	THANNERU SUMANTH	VIII	T.Sumanth			T.Sumanth			T.Sumanth			T.Sumanth			T.Sumanth			T.Sumanth			T.Sumanth			T.Sumanth			T.Sumanth			T.Sumanth		
39	17A95A2646	BEEMANADHUNI VAMSHI KRISHNA	VIII	vamshi			vamshi			vamshi			vamshi			vamshi			vamshi			vamshi			vamshi			vamshi			vamshi		



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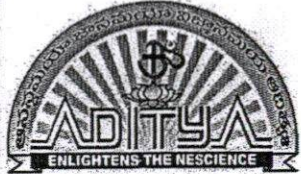
Department :Mining Engineering				Attendance,Duration:03-02-2020 to 07-02-2020																													
Course : Surpac and its use in Mining Industry				03-02-2020						04-02-2020						05-02-2020						06-02-2020						07-02-2020					
				FN			AN			FN			AN			FN			AN			FN			AN			FN			AN		
S.No	Roll.No	Name	Semester	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6
62	17A91A2624	PERAM RANADEEP REDDY	VI	P. Ranadeep Reddy	P. Ranadeep Reddy	P. Ranadeep Reddy	P. Ranadeep Reddy	P. Ranadeep Reddy	P. Ranadeep Reddy	P. Ranadeep Reddy	P. Ranadeep Reddy	P. Ranadeep Reddy	P. Ranadeep Reddy	P. Ranadeep Reddy	P. Ranadeep Reddy	P. Ranadeep Reddy	P. Ranadeep Reddy	P. Ranadeep Reddy	P. Ranadeep Reddy	P. Ranadeep Reddy	P. Ranadeep Reddy	P. Ranadeep Reddy	P. Ranadeep Reddy	P. Ranadeep Reddy	P. Ranadeep Reddy	P. Ranadeep Reddy	P. Ranadeep Reddy	P. Ranadeep Reddy	P. Ranadeep Reddy	P. Ranadeep Reddy	P. Ranadeep Reddy	P. Ranadeep Reddy	
63	17A91A2625	ASHIM SHRESTHA	VI	A. Shrestha	A. Shrestha	A. Shrestha	A. Shrestha	A. Shrestha	A. Shrestha	A. Shrestha	A. Shrestha	A. Shrestha	A. Shrestha	A. Shrestha	A. Shrestha	A. Shrestha	A. Shrestha	A. Shrestha	A. Shrestha	A. Shrestha	A. Shrestha	A. Shrestha	A. Shrestha	A. Shrestha	A. Shrestha	A. Shrestha	A. Shrestha	A. Shrestha	A. Shrestha	A. Shrestha	A. Shrestha	A. Shrestha	
64	17A91A2626	SAMARTH SHRESTHA	VI	Shrestha	Shrestha	Shrestha	Shrestha	Shrestha	Shrestha	Shrestha	Shrestha	Shrestha	Shrestha	Shrestha	Shrestha	Shrestha	Shrestha	Shrestha	Shrestha	Shrestha	Shrestha	Shrestha	Shrestha	Shrestha	Shrestha	Shrestha	Shrestha	Shrestha	Shrestha	Shrestha	Shrestha	Shrestha	
65	18A95A2601	VUDUMULLA KALYAN REDDY	VI	V. Kalyan	V. Kalyan	V. Kalyan	V. Kalyan	V. Kalyan	V. Kalyan	V. Kalyan	V. Kalyan	V. Kalyan	V. Kalyan	V. Kalyan	V. Kalyan	V. Kalyan	V. Kalyan	V. Kalyan	V. Kalyan	V. Kalyan	V. Kalyan	V. Kalyan	V. Kalyan	V. Kalyan	V. Kalyan	V. Kalyan	V. Kalyan	V. Kalyan	V. Kalyan	V. Kalyan	V. Kalyan	V. Kalyan	
66	18A95A2602	GUGULOTH JAGADEESH	VI	G. Jagadeesh	G. Jagadeesh	G. Jagadeesh	G. Jagadeesh	G. Jagadeesh	G. Jagadeesh	G. Jagadeesh	G. Jagadeesh	G. Jagadeesh	G. Jagadeesh	G. Jagadeesh	G. Jagadeesh	G. Jagadeesh	G. Jagadeesh	G. Jagadeesh	G. Jagadeesh	G. Jagadeesh	G. Jagadeesh	G. Jagadeesh	G. Jagadeesh	G. Jagadeesh	G. Jagadeesh	G. Jagadeesh	G. Jagadeesh	G. Jagadeesh	G. Jagadeesh	G. Jagadeesh	G. Jagadeesh	G. Jagadeesh	
67	18A95A2603	GARREPELLI PAVAN CHANDER	VI	G. Pavan	G. Pavan	G. Pavan	G. Pavan	A	G. Pavan	G. Pavan	G. Pavan	G. Pavan	G. Pavan	G. Pavan	G. Pavan	G. Pavan	G. Pavan	G. Pavan	G. Pavan	G. Pavan	G. Pavan	G. Pavan	G. Pavan	G. Pavan	G. Pavan	G. Pavan	G. Pavan	G. Pavan	G. Pavan	G. Pavan	G. Pavan	G. Pavan	
68	18A95A2604	VISHNUBHAKTHULA SHIVASAI	VI	V. Shivasai	V. Shivasai	V. Shivasai	V. Shivasai	V. Shivasai	V. Shivasai	V. Shivasai	V. Shivasai	V. Shivasai	V. Shivasai	V. Shivasai	V. Shivasai	V. Shivasai	V. Shivasai	V. Shivasai	V. Shivasai	V. Shivasai	V. Shivasai	V. Shivasai	V. Shivasai	V. Shivasai	V. Shivasai	V. Shivasai	V. Shivasai	V. Shivasai	V. Shivasai	V. Shivasai	V. Shivasai	V. Shivasai	
69	18A95A2605	KANAKAPUDI VARSHITH	VI	K. Varshith	K. Varshith	K. Varshith	K. Varshith	K. Varshith	K. Varshith	K. Varshith	K. Varshith	K. Varshith	K. Varshith	K. Varshith	K. Varshith	K. Varshith	K. Varshith	K. Varshith	K. Varshith	K. Varshith	K. Varshith	K. Varshith	K. Varshith	K. Varshith	K. Varshith	K. Varshith	K. Varshith	K. Varshith	K. Varshith	K. Varshith	K. Varshith	K. Varshith	
70	18A95A2606	BHUKYA ANIL NAIK	VI	B. Anil Naik	B. Anil Naik	B. Anil Naik	B. Anil Naik	B. Anil Naik	B. Anil Naik	B. Anil Naik	B. Anil Naik	B. Anil Naik	B. Anil Naik	B. Anil Naik	B. Anil Naik	B. Anil Naik	B. Anil Naik	B. Anil Naik	B. Anil Naik	B. Anil Naik	B. Anil Naik	B. Anil Naik	B. Anil Naik	B. Anil Naik	B. Anil Naik	B. Anil Naik	B. Anil Naik	B. Anil Naik	B. Anil Naik	B. Anil Naik	B. Anil Naik	B. Anil Naik	
71	18A95A2607	MOHAMMED FIRDOZ	VI	Firdoz	Firdoz	Firdoz	Firdoz	Firdoz	Firdoz	Firdoz	Firdoz	Firdoz	Firdoz	Firdoz	Firdoz	Firdoz	Firdoz	Firdoz	Firdoz	Firdoz	Firdoz	Firdoz	Firdoz	Firdoz	Firdoz	Firdoz	Firdoz	Firdoz	Firdoz	Firdoz	Firdoz	Firdoz	
72	18A95A2608	ERLA ESAK	VI	E. Esak	E. Esak	E. Esak	E. Esak	E. Esak	E. Esak	E. Esak	E. Esak	E. Esak	E. Esak	E. Esak	E. Esak	E. Esak	E. Esak	E. Esak	E. Esak	E. Esak	E. Esak	E. Esak	E. Esak	E. Esak	E. Esak	E. Esak	E. Esak	E. Esak	E. Esak	E. Esak	E. Esak	E. Esak	
73	18A95A2609	MOHAMMAD SHAHJAHAN	VI	M.D. Shahjahan	M.D. Shahjahan	M.D. Shahjahan	M.D. Shahjahan	M.D. Shahjahan	M.D. Shahjahan	M.D. Shahjahan	M.D. Shahjahan	M.D. Shahjahan	M.D. Shahjahan	M.D. Shahjahan	M.D. Shahjahan	M.D. Shahjahan	M.D. Shahjahan	M.D. Shahjahan	M.D. Shahjahan	M.D. Shahjahan	M.D. Shahjahan	M.D. Shahjahan	M.D. Shahjahan	M.D. Shahjahan	M.D. Shahjahan	M.D. Shahjahan	M.D. Shahjahan	M.D. Shahjahan	M.D. Shahjahan	M.D. Shahjahan	M.D. Shahjahan	M.D. Shahjahan	
Day-Day CourseCoordinator Sign				me						me						me						me						me					

Course Coordinator

Head of the Department

Head of the Department  
DEPARTMENT OF MINING ENGINEERING  
ADITYA ENGINEERING COLLEGE (As)





# ADITYA ENGINEERING COLLEGE(A)

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade  
Recognised by UGC under sections 2 (f) and 12 (B) of UGC Act, 1956  
Aditya Nagar, ADB Road, Surampalem- 533437, Near Kakinada, E.G. Dt., Ph: 99498 76662

*Department of Mining Engineering*

## **CERTIFICATE OF PARTICIPATION**

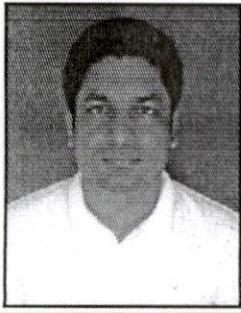
This is to certify that Mr/Ms KASTURI PAVAN KALYAN bearing roll no 17A95A2608 of  
VIII Semester has completed the Value Added Course "Surpac and its  
use in Mining Industry" during the period 03-02-2020 to 07-02-2020.

  
Course Coordinator

  
Head of the Department

Head of the Department  
DEPARTMENT OF MINING ENGINEERING  
ADITYA ENGINEERING COLLEGE (A),





## Satyajee Parida

M.Tech. Mining Engineering

NIT Rourkela

parida.satyajee@gmail.com

+91 9603231934

### OBJECTIVE

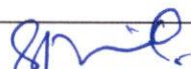
To work as a dynamic professional, utilizing analytical & methodical skills and relevant experience to help the organization achieve business goals while sticking to vision, mission and values.

### ACADEMIC PROFILE

Year	Degree	Institute/University	CGPA/Percentage
2015	M.Tech.	NIT Rourkela	7.78
2010	B.Tech.	Ajay Binay Institute of Technology (BPUT, Odisha)	6.85
2006	12th	KIIT Science College (CHSE, Odisha)	68.33 %
2004	10th	Biswambhar Vidyapitha (BSE, Odisha)	57.20 %

### PROFESSIONAL EXPERIENCE

Sl. No.	Organization	Designation	Period	Responsibilities
1	Aditya Engineering College	Assistant Professor	08/08/2015 to 11/06/2017	<ul style="list-style-type: none"><li>Academic counselor to 30 students.</li><li>Internal exam cell in-charge.</li><li>In-charge Head of the department.</li></ul>
2	Aditya Engineering College	Assistant Professor & HOD	11/06/2017 to Present	<ul style="list-style-type: none"><li>Day to Day departmental Administrative responsibilities</li><li>Chairman of department Board of Studies comprising of 2 faculties from NIT and IIT, one member from Coal India.</li><li>Established mine environmental engineering lab, mineral engineering lab and Rock Mechanics lab from grass root level.</li><li>Academic counselor to 30 students.</li></ul>

  
**Head of the Department**  
**DEPARTMENT OF MINING ENGINEERING**  
**ADITYA ENGINEERING COLLEGE (A9)**

## CURRICULAR ACTIVITIES

- Completed the project **“Design of Illumination System for an opencast manganese mine”** for M.Tech. Thesis work under the guidance of Prof. D.P. Tripathy, Dept. of Mining Engineering, NIT Rourkela.  
The project aims at studying and designing the illumination system in opencast mines according to the DGMS regulations.
- Completed the project **Wireless Industrial Security System** under the guidance of Prof. Leena Samantaray, Dept. of Applied Electronics & Instrumentation Engineering, Ajay Binay Institute of Technology during B.Tech.  
It uses different sensors like water level sensor, infrared sensor, temperature sensor and light sensor for security purpose. This system monitors four parameters at a time and controls them. All information gathered by the sensors are sent via wireless (using ASK technique) to control room for observation.

## CERTIFICATIONS

Completed Certifications on the following areas

- What is Data Science? by IBM on Coursera
- Open Source tools for Data Science by IBM on Coursera
- Data Science Methodology by IBM on Coursera
- Python for Data Science and AI by IBM on Coursera
- Databases and SQL for Data Science by IBM on Coursera
- Data Analysis with Python by IBM on Coursera
- Machine Learning with Python by IBM on Coursera
- Data Science Capstone Project by IBM on Coursera
- Data Science Professional by IBM on Coursera
- Outcome Based Education by Indo Universal Collaboration for Engineering Education and Andhra Pradesh State Skill Development Corporation (APSSDC).

## PATENTS & PUBLICATIONS

- Published patent on “C-Shaped Baffle Plate Solar Air Heater for Enhancing Heat Transfer Rate”
- Predictive Modelling for Gross Calorific Value of Coals of Some Asia Pacific Countries with Conventional and Robust Regression Machine Learning Techniques. (Under Review in Neural Computing and Applications, Springer)
- Performance estimation of tubular solar still with a wicked rotating drum using DT, LR and KNN techniques of Machine Learning, accepted for publications in the journal Neural Computing and Applications, Springer.
- Safety risk assessment and risk prediction in underground coal mines using machine learning techniques, J. Inst. Eng. India Ser. D 102, 495–504 (2021), Springer.
- An Artificial Neural Network Predictive Modelling for Peak Particle Velocity, presented in ERCAM-2021.
- Influence of Stemming Material on Performance of Blasting, PalArch's Journal of Archaeology of Egypt/Egyptology, 2020.
- Study of the Dependence of Blast Induced Ground Vibration on Charge per Hole and Rock Strength, International Journal of Advanced Science and Technology Vol. 29, No. 9s, (2020).
- Performance and emission characteristics of variable compression ratio CI engine fueled with dual biodiesel blends of Rapeseed and Mahua, Fuel, 2020, Elsevier.
- Laboratory Investigation of Photovoltaic Panel Performance under the Shaded Condition, First International Conference on Power, Control and Computing Technologies (ICPC2T). IEEE.

  
Head of the Department  
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- Laboratory Investigation on the Strength Property of Field Collected Coal Samples, International Research Journal of Engineering and Technology (IRJET), 2019.
- Design of illumination system for an opencast manganese mine, Indian Mining & Engineering Journal, 2017.

## SKILLS

Python	Intermediate
Data Analytics	Intermediate
English Proficiency (Spoken)	Intermediate
English Proficiency (Written)	Expert

## PROFESSIONAL PROFILES

**GitHub:** <https://github.com/SatyajeetParida89>  
**Acclaim:** <https://www.youracclaim.com/users/satyajeet-parida>  
**LinkedIn:** <https://www.linkedin.com/in/satyajeet-parida-06637a98/>

## ACHIEVEMENTS

- Qualified GATE in 2013 with 93.3 percentile
- Winning Captain of the cricket team in Intra-Hall Cricket Tournament in NIT, Rourkela.
- Won second prize in Badminton Doubles in Intra-Hall Tournament in NIT, Rourkela.

## EXTRA CURRICULAR ACTIVITIES

- General Secretary of Satish Dhawan Hall of Residence, NIT, Rourkela.
- Member of Sports Items Purchase Committee of NIT, Rourkela (2014-15).

## HOBBIES


- Watching movies
- Reading Novels and stories
- Playing cricket and other sports

## REFERENCE

Name : Dr. Debi Prasad Tripathy  
 Designation : Professor, Dept. of Mining Engineering  
 Organization : NIT Rourkela  
 Contact : dptripathy@nitrkl.ac.in, +91 661 2462608

## PERSONAL INFORMATION

Father's Name : Mr. Biswambar Parida  
 Mother's Name : Mrs. Saudamini Parida  
 Date of Birth : 27th August, 1989  
 Nationality : Indian  
 Marital Status : Married  
 Languages : English, Hindi, Bengali, Odia  
 PAN : BHQPP4363R  
 Permanent Address : No.5, Sricharana Sarini,  
 Bally, Howrah,  
 West Bengal-711201


  
**Head of the Department**  
**DEPARTMENT OF MINING ENGINEERING**  
**ADITYA ENGINEERING COLLEGE (AO)**

## DECLARATION

I do hereby declare that the above furnished information is true to the best of my knowledge and belief.

  
Satyajit Parida

*Head of the Department*  
DEPARTMENT OF MINING ENGINEERING  
ADITYA ENGINEERING COLLEGE (AO).

  
Head of the Department  
DEPARTMENT OF MINING ENGINEERING  
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