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  $03^{rd} - 07^{th}$  February 2020.

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

Thanking you,

Permittee!

Head of the Department,

Department of MIN.E.



## ADITYA ENGINEERING COLLEGE

pproved 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, 1936 Aditya Nagar, ADB Road, Surampalem - 533-137, Norr Kakinada, 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

## **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-krigging	4
Introduction to Surpac, Calculation of lease boundary using bearing Distance	6
Introduction to geological data, String File, its utilization	4
Total hours	30

#### 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

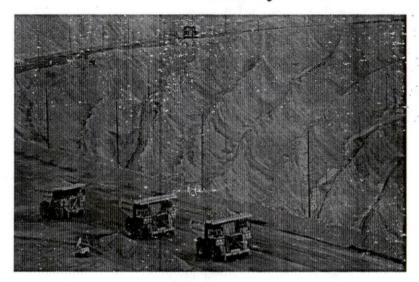
## RESOURCE PERSON

Mr. Satyajeet Parida **Assistant Professor** 

Department of Mining Engineering, AEC Email: parida.satyajeet@aec.edu.in

Value Added Course

**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** 

of the Department ERING COLLEGE mail: hod\_mine@aec.edu.in



## ADITYA ENGINEERING COLLEGE

THE PARTY OF

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### **Department of Mining Engineering**

### Value Added Course Report

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

Location and venue	KLB-402, Aditya Engineering College
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
	<ul> <li>Know different reserve estimation techniques through Surpac</li> </ul>

Som

**Course Coordinator** 

Head of the Department



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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	SHAFAF 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	THALLAPELLI 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



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1	17A95A2608	KASTURI PAVAN KALYAN	VIII	KPan	Jan Kalyan	KPa	van	in Pavo	un Kaliya	KPa	van Kalyan		lava n	1 ah	14	lya	N-	K	uan			aly 4	n "		laya	ar		lyah.
2	1740542600	MITTA MEEDI DANA PAVAN KALYAN	VIII	K	Pavan		A	MULT	youn	K	favor	k	zalyo	m,	ka	lya	n	real	favar Van	_	Kai	70	M	1	Pavi	n	K	favan algan
3	17A95A2610	RAPELLI ABHILASH	VIII	R.A	hilas	hR.A	bhilas	R.Ab	hillas	R.A	thilas	PA	thù	bsh	PAL	مثماد	bsh	PAŁ	ships	HP.	Abh	طن	sh	P. At	shib	18h	P.At	shide
4	17A95A2611	KADALI MEGHA SHYAM	VIII	k.m	eghan	k.1	nega	Kom	egae	Kop	nega	Kn	nega	e	Kon	rega	2	t.n	7090		A			kor	nego	à	Kir	negru
5		MALLIMOGGALA HARISURYAVARDHAN	VIII	mit	ortrard	um•t	toui	m·Ho	vie	m.	Horic	n	rotta	ri	m	· Hou	w	m <sub>4</sub>	Horu	0	not	dov	u j	mot	tore	0,	no 7	Hoow
6	17A95A2613	PAMURU PAVAN	VIII	P. Pava	m	P.B	inding	P. Pa	van	PI	Pavay		A		P.P.	avav	)	P.P	avan	P	). Par	va v	2	p.P.	way		P.F	avan
7	17A95A2614	KUCHI SAI KUMAR	VIII	KIS	Où kuna	1 12 90	ei kumar	kisai l	<u>kimaj</u>	k. 80	i kym	d Kis	igik	and	K.50	ù ku	Mars	K. 59	Kura	4 K	Sai	Ku	rait	K.8	ù kun	ar I	لانجمأ	KYOP
8	17A95A2615	ADDAGATLA SAI KUMAR	VIII	A. Sa	Kuma	ASO	el Keman	A. Sap	heen	AS	Mercun	A	Selke	us	A Sol	Kun	Oso	A:Sal	kerne		fall				a Ken	a	A.So	ukiene
9	17A95A2616	POOJARI VINAYKRISHNA	VIII	p. vi	inoylari	\$ p. 8	noylan	p. Rn	On Mrs	pur	all	60°	int		C. Y	300		6m	32	2	nir.	7		6.7	non		6.70	7
10	17A95A2617	BODDULA SAIPRATHAP	VIII	1	2 0	1	iprother	B. sal	pratha	rine.sc	iewath	95.0	aipre	other	BCair	oveth	of the	Beso	eprofle	20	Bola	povol	hal	B-6	Dord .	that	L. Sal	lp Worth
11	17A95A2618	SHAIK SAMEER	VIII	22	weed	3.0	aniog	Sa	need	8.59	nue	13:	ane	01	5.50	me	27	50	ame	- 1			- 1		nec		02.2	need
12	17495476191	BAYYAVARAPU PAVAN KUMAR	VIII	BROW	white		Á.	1	works	B.6	Penaskul	ang.	parad		-		( )				-	7		BR	work	01	3.a	vanter
13	17A95A2620	ANDE RAHUL	VIII	A Rat	ng	AR	white	A-Ral	rub.	A Ro	hy	AR	akry		ArRa	hy	Ą	Pul	nl 1	A	Reh	y		BIRLY	ny		AR	hy
14	17A95A2621	ALUGULA AKHIL	VIII	A.	Tkhil	Q.	Akhel	10. A	khil.	(A.	Dehil	A	PARL	hold	A.	och	of	B	Pohl		A.	_		(A)	ARI	ntl.	9.	schol
15	1/445476771	NALLURI SATHISH KUMAR	VIII	Satt	rish	Só	thish	Sat	truly	8	attich	8	intho	sh	Gat	tuis	4	Sot	tirsly	C	thos	high	X	Sel	lied	X	Satt	wisty
16	17A95A2623	NOOKALA SRIKANTH	VIII		onth	-	banth	Bril	cont	18og	ilcand							Sori	comb					Sou	can	th	Sey	(counts
17	1/A47A/6/4 I	BENJIMAN SHANKAR SINGH	VIII	Sha	Kou	Sh	arition	Show	Loon	Spe	orkor	dh	andr	004	dha	nkol	w l	Shan	Kole	4	Sho	rske	our (	Sh	ark	ar	Sha	skor

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18	17A95A2625	MOHAMMAD YOUSUF	VIII	moyou	suf	mp	·you	Suf	Mp.y	busu	fm	no you	uf	MD. Yousu-	A M	10.4	ousil	M	D. 4	busif	mo	Yousu	f	MD. Y	ousu	f m	D- 40	usuf
19	17A95A2626	ALLAM SURAJ	VIII	SURCU		SOLO	0		Subo	,		Supari		Suzzi		usou			زمور		Sur			SUR	j	Su	טשמי	
20	17A95A2627	SIYYADRI SHARON KUMAR	VIII	Shopion		shas	nah	27	Shan	men	-	hasia		Shanan kuman		book	ab umcol		ano			kuma	91	hab	ma		naro Kum	
21	17A95A2628	BOLLAM RAVITEJA	νiii	awinei		1	4		Rawi	hele	20	1 . 1		Poureia	R	sui)	eya	Ra	wit	eija	Ra	u be	p	Ray	Tex	R	my'	)ai
22	17A95A2629	ARKAM RAKESH	VIII	lakeli		Re	bsh	A	Rela	di.	e	Zebil	,	Labor.	R	alon	L.	Ps	26 N	h.	la	bon		Rela	1h	Re	علع	h.
23	17A95A2630	GADDAM AVINASH	VIII	Annas	h	Avi	nax	h	Ain	ash	4	Tuna	sh	Avinalh	A	hin	all	A	vino	uh	Av	inal	W.	Aui	all	A	vina	ih
24	17A95A2631	THOTA RAJENDRA	VIII	Rojendo	rd	Ray	undr	a	Rajev	ndva		Rojeno	dra	Rojtudra	R	ajerd	ya	R	zier	20/201	R	ajcyd	Ya	Raje	ndr	a R	ger	da
25	17A95A2632	PARNANDHI THARUN	VIII	Thanus	n	Th	wy	n	Tha	nun	LTI	hugu	n	Tharun	T	has	nun	7	wu	in	Th	willy	n	Thus	un	1	haz	iun
26	17A95A2633	BATHULA PAVAN KALYAN	VIII	B. Buo	en	BR	310	40	BR		T	A		B. Bran	B	Po	an	8.	Pau	an	B.	ara	0	Bon	am	B	Par	an
27	17A95A2634	KANUKUTLA SRIDHAR	VIII	Ksridha			idha		Kerid	hav.	K	(svidh	N	Ksvidhav.	K	srid	hav.	145	ridh	W		A		Ksvidl			A	
28	17A95A2635	JANGA RATHNAKAR REDDY	VIII	Rathre	aleo;	Rat	thna	Kerr	Path			lathno		Rathrales	F	Rath	nalow	1	athr	19 1000 dry		thrate eddy	2	Path			athoredo	
29	17A95A2636	PUPPALA NAVEEN	VIII						Pindy	eer	P	? Nove	20	Photoerr	P	NOX	en	P.1	buc	200	Pint	vec	1	P.Nav	eer	P.	160	ber
30	17A95A2637	BANDARI AVINASH	VIII	B. Avinc	ash	Box	luin	gh	B Au	whosh	P	3º fluin	osh	B. Acuiragh	B	Acci	agh	Boy	Aui	ugh	Ba	Accing	4	B.B.	yhe	8	°Aw	inst
31	17A95A2638	CHEKKILLA THARUN KUMAR	VIII	C. Than	57		A		CiThon	run	c	Than	7	C. Tharvy	c:	TLar	'n	6.11	navun		P	4	(	C-Than	n	1	-The	akn.
32	17A95A2639	MANDALA VISHAL	VIII	M. vis	nal	M·V	isho	Le	M. Vi	isha	MM	ivish	ما	Ladeivim	M	iv vi	Shal	M	Vis	hal	Win	vish	1/	nivi	shol	M	200	port
33	17A95A2640	RACHARLA RAKESH	VIII	R. Rakest	h	R.R.	Mesh	~	B. Rable	sh	R	Roker	1.	R. Porkech	R		284	8.1	Palke	sh		Kep4		Pake	294	R	Rake	1/2
34	17A95A2641	NAMU SAIKUMAR	VШ	N. Rocke	no	4.00	Mark		1. cox	4	6	1ºcon	8	المرادي	4	.co	F. H.	7.9	State		1	1010		Zepe	/	7	30/	_
35	17A95A2642	AKULA ADITHYA KUMAR		A. Aditye		A-Ad	ity	uns	3 /	1		Adityo		A. Hityans	24	diry		A	Alth	mas	A.A	1:Han	3	run	10	R	payh	non
36	17A95A2643	TAMISETTI NARESH	3,7777	T. Naires	1		pres	1	T'Na	resh	1	r Nare	sh	I worth	T.	ren	ab		6	100/1		aruh		I-Na	rest	6	Non	1
37	17A95A2644	SAMALA SWAMY	VIII	Zwan	ng,	Q.	vam	4		bury	S	Mam	ve 1	Devany	0	1	my	_	S	my	70	wany		Sw	euny	6	Due	imp
38	17A95A2645	THANNERU SUMANTH	VIII	7- Sumar	nth	7.50	mant	4	1-5 um	anth	ĵ.	-Smar	出	7.Somarath	7.	Simo	with	7.5	med	th.	7.50	with	-	t spe	L		suy	
39	17A95A2646	BEEMANADHUNI VAMSHI KRISHNA	VIII	vameh	i	Van	rshi	0	Vam	shi	V	rameh		vamshi	V	am	hi	10	my	hi	va	mehi		Vern	hi	Va	mi	hi'
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40	17A95A2647	MANTHENA VISHNU VARDHAN	VIII	m Vishno Vardhan		ishno lovehq	n,	n Uisha Vavar	rai	. A		my khow	m vis	ihno rawk	, '	m Vishnu Yarth	UM.		showsh	ion	M. Vishn		Vishn	
41	17HJ5A2618	GONTLA SAI CHAITANYA	VIII	Salahbyo	Sacha	i thy	0	South	nya	chaitn	10	Sal Chail Enga				chaith	ra.		wtag		Chanthy	2 C	oi beit	nzer
42	17A91A2602	AKSHAY KUMAR BHARTI	VI	Kumay		A	-	Bha	K. K	Kumax		Brass	N P	mai		Bhasi	-8 Ei	Bh	maj	E.	Rhast	1	Bh	005
43	17A91A2603	AMIT PRASAD	VI	A. profed		rojou	4	Aprof	ad	Apros	re	Aprojod		ony		Aprosu	d	Ap	roso	d	A. poyor	Q A	·pi	roja
44	17A91A2605	JETTY CHANDU DURGA VENKATA KOUSHIK	VI	J. Koushik	J.K	loushik	10	J. Koush	nik	J. Koush		J. Koushik	J. K.	n shi k	<i>(</i>	J-Koush	ik	J. k	oush	n'k	J. Koushid	5	T. Kou	154,8
45	17A91A2606	KOLASANI PRUDHVI	VI	K. Prodh	ik. F	rodhu	K	c. Prod	hin	K. Prodh	wi	K. Prodhuj	K.P	rodh	in	k. Prodt	nii	K. 6	hog.	mi	K. Prodh	Ke	Pro	dhi
46	17A91A2607	KRISHNA PRASAD U	, · VI	U Krishna Ar		lustra	K	J. Prol	lag	4. Hrsh	a	er Krishman	to.18	rilla	2	O.Krsl		0.1			ce kriske	4	Kish	ya
47	17A91A2608	KUMAR ABHISHEK	VI	K. Kara	4.8	XVII	,	4. Kul		K. Mys		Koken K	4.8	W/		KH3		F. K	8/		E.K.	1.	JAN.	,
48	17A91A2609	MELBIN THOMAS	VI	M. Thomas	MI	eng)		n-Tho		n- That	- 1	N-Thona	//	hono	5	n-Thomas	1-	n-1	hong	05-	n-Thoros	M	Thon	18/
49	17A91A2610	MUHAMMED MUHSINKK	VI	Makehill	llus	line	A	ebsinb	2	muber	1	nolyh	.+	7		Makethe	2	Mal	y y	a	Mobiles	Me	ubert	uh
50	17A91A2611	MUKESH V	VI	V. mykest	W!	nuker	- 1	1-mokes	1	A		mukesh.v	VM	VKE	sh	V-MUKE	2	Y.MI	ike	0	V'myes	V	1-MU	desb
51	17A91A2612	PRASHANT KUMAR	VI	Powanth	Pos	early	OF	Brosav	246	Paregar	to.	Paceauth	Post	an	4	Boycun		Pas	ant	4	Doggant		cual	
52	17A91A2613	PYDIKONDA VINAYAKA SWAMY	VI	Frinkyaka Swami	Pui/	ndKaya swamy	P	vindy swami		p. VITako	14	A vinakyn Swan?		inak am:	N YON	vina Kora Swang	3	P.V1	100	aki	Swamy.	RY	sova	
53	17A91A2614	RAJESH KUMAR B	VI	Risech	B	all		Pagen		Raigh		Rajem	R3	M	1	Rajuh		Rai	est	2	Rajeth	6	ajes)	b
54	17A91A2615	RISHI KUMAR G		Richi		A.		Rilli		Rilli		Rilli	Riv	li		A		Pi	eli	- 1	pieli	A	2:2	hu
55	17A91A2616	M SATISH	VI	M. sathis	Mis	altris	h	1.5alt	ฟริก	M. Salli	5	H-Saltish	N. Su	HUS	h	4 Salhie	Sh	M:8	this	Sh	M. Sallis	, M.	saf	his.
56	17A91A2617	SHAFAF P. K.	VI	Shafaf	Sh	afal		Shalor	0	Sha for	P	shalaf	She	afol		shafa	4	She	Par	P	shalat	St	hate	1xp
57	17A91A2618	SIBI AMUTHAN M K	νį	Amuthan	An	nuthai	T	Amut	trem	Amuth	an	Amuthen	Am	uther	m	Amuthe	m	Am	ultre	n	Amulty	m 2	Amu	uther
58	17A91A2619	SREYAS PRAMOD	VI	8. Plus	3	an	1	S. pa	d	A		S.m	5.0	ہہر	j.	s. popol		800		J.	1. porad	S	p	~
59	17A91A2620	SUDESH MAHTO	VI	5. Mah HD	5.M	alto	4	short	do	5. Monte	2	SiMatto	Sar	who	6	5. Nouht	5	5M		2	S.Mahto	5.	Mah	to
60	17A91A2621	THALLAPELLI PAVAN KALYAN	VI	Kalejan		Ivan	T	Kalxa		Icalxa		Kelxan		lxa	T	Kalxa	1	le	alxo	25	Lolxar	,	olx	
61	17A91A2623	VISHNUMOLAKALA VENKATA SUMANTH	VI	rsumant	V5V	unant	n	V. Suhnav	nty	Volumey	Vtn.	v-Burnavin	V81	umour	V4\			rsa	wou	44	nsumant	V-6	Burra	unta

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63	17A91A2625	ASHIM SHRESTHA	VI	A.S	haq	Sthe	A.S	hore	estha	A.	Sha	esth	A.	Shore	8th	A-SI	h Tre	8tha	A.S	he	stha	A	hnes	th	A	sh	aesth	AS	bres	tha	AS	hnest	ho
64	17A91A2626	SAMARTH SHRESTHA	VI	Sh	žes	tta	sho	10 E	stha	181	DE E	tha .	Shi	xest	ta	Sto	éd	ta	SHY	Ćet	ta	ste	jest	to	st	865	stra	Sh	See	to	sh	sest!	a
65	18A95A2601	VUDUMULLA KALYAN REDDY	VI	V.	Kaly	(OD)	VX	kal	yon	V	kal	yon	114	coup	~	Vol	kal	yen	Vol	Koy	on	10/	cay	per	V	Ko	yon	V	Kal	ym	V/	Kolyc	n
66	18A95A2602	GUGULOTH JAGADEESH	VI	6,5	aged	esh	6.5	Jage	desh	Gi	Jage	doh	ONJ	agcale	h	(n.J	ngce	losh	いり	age	dsh	4.5	age de	55	b1:	Jag	edsh	61.	fage	Esyn	61.50	gedes	2
67	18A95A2603	GARREPELLI PAVAN CHANDER	VI	W.	Pav	an	Si.	Pa	ngu	জ	, bo	novi		A		G. F	Pav	an	6.B	ave	(d)	200	ava	n	(d)	ROSI	con	Co	Pau	an	Q.Y	Powar	1
68	18A95A2604	VISHNUBHAKTHULA SHIVASAI	VI	V.SA	luvaSe				Sal	U.S	Sur	Sai	0.	Sulva	821	12:5	Live	250,	US	Live	Car	us	Live	301	10	Shil	108 al	43	Shure	ant	OS	uble	1
69	18A95A2605	KANAKAPUDI VARSHITH	VI	King	no		W. 3	190		+	YON	6	(Z)	5/			A		كوري	1		*	39/		4	9		4	4/		4.3	9/	
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Course Coordinator

Head of the Department



# 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



This is to certify that Mr/Ms KASTURI PAVAN KALYMbearing roll no 1749592608 of

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



## Satyajeet Parida

M.Tech. Mining Engineering NIT Rourkela parida.satyajeet@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> <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> <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>

#### **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

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DEPARTMENT OF MARKET ENGINEER

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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.

- 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: <a href="https://www.youracclaim.com/users/satyajeet-parida">https://www.youracclaim.com/users/satyajeet-parida</a>
<a href="https://www.linkedin.com/in/satyajeet-parida-06637a98/">https://www.linkedin.com/in/satyajeet-parida-06637a98/</a>

#### **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

#### DECLARATION

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

Satyajeet Parida

Head of the Department
DEPARTMENT OF MINING ENGINEERING
ADITYA ENGINEERING COLLEGE (AC.

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