

Date: 30.10.2022.

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

To  
The Principal,  
Aditya Engineering College (A),  
Surampalem.

Through proper channel

Respected Sir,

Sub: Request to grant permission to organise a guest lecture-reg.

The Department of Mining Engineering is proposing to organise a guest lecture on **"Recent Trends and Innovation in Mining Industry"** on 04-11-2022 for B.Tech. V and VII semester students of Mining Engineering to make them aware of Recent Trends and Innovation in Mining Industry. Hence, I request you to grant permission to organise the programme for the benefit of students and sanction an amount of Rs 15,000/- for smooth conduction of the programme.

Please find below the budget estimation for the same.

S. No.	Particulars	Amount in Rs.
1	Honorarium	10,000
2	Travel Allowance	4,000
3	Miscellaneous	1,000
Total		15,000

Thanking you sir,

Yours sincerely

*Dem. Hay*  
*SNV*  
PRINCIPAL  
ADITYA ENGINEERING COLLEGE  
SURAMPALAM - 533 437

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

**Re: A Guest Lecture Programme on Recent Trends and Innovation in Mining Industry.**

M. Aruna <[arunam@nitk.edu.in](mailto:arunam@nitk.edu.in)>

Fri 28/10/2022 5:00 PM

To: ADITYA HOD\_MINE <[hod\\_mine@aec.edu.in](mailto:hod_mine@aec.edu.in)>

Dear Sir,

Thank you for inviting me to deliver a guest lecture and I will share my knowledge on the given topic for sure.

Thank you.

Best Regards

**Dr. M. Aruna**  
**Professor,**  
**Min. E Department,**  
**NITK, Surathkal,**  
**Karnataka.**

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**From:** ADITYA HOD\_MINE <[hod\\_mine@aec.edu.in](mailto:hod_mine@aec.edu.in)>

**Sent:** 27 October 2022 11:35 AM

**To:** M. Aruna <[arunam@nitk.edu.in](mailto:arunam@nitk.edu.in)>

**Subject:** A Guest Lecture Programme on The Application of Rock Drilling.

On Thu, Oct 27, 2022 at 11:35 AM ADITYA HOD\_MINE <[hod\\_mine@aec.edu.in](mailto:hod_mine@aec.edu.in)> wrote:

Respected sir,

On behalf of the Department of Mining Engineering, Aditya Engineering College, Surampalem, I, Satyajeet Parida (Asst. Prof & HOD), framing this invitation letter to ask you to kindly be the speaker of our programme. The subject is Recent Trends and Innovation in Mining Industry, which is a very prominent topic these days and the date is 04-11-2022, while the time is 10 AM. The programme also has the facility of Audio-visual works as well as articles and books for you.

It is known to one and all how you managed to achieve this post today. With your sincerity, great academic qualifications, and strong determination, you have made notable achievements in the department of mining and steel are well-known. If you can kindly share your viewpoints on the above-mentioned topic, then our students will be able to understand its importance more and will be able to learn from you as well.

I am aware that you have a busy schedule, but still, I am hoping that you will be able to attend it and educate our students. It will truly be a pleasure for all of us to have you as an honorable speaker. If by chance you are not able to attend it then please inform us via calling at +91 9603231934 or mail ID: [hod\\_mine@aec.edu.in](mailto:hod_mine@aec.edu.in).

Thank you very much,

With best Regards,

Mr. Satyajeet Parida, M. Tech,

Assistant Professor & HOD,

Dept. of Min. E,

Aditya Engineering College (A),

Accredited NAAC 'A' Grade,

Surampalem - 533 437, East Godavari

Dt.Andhra Pradesh

Mobile: +91 9603231934

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

## ABOUT THE GUEST LECTURE

The mining industry is undergoing a significant transformation driven by two main forces: increasing demand for minerals and a focus on sustainability and safety. Autonomous vehicles like trucks and drills are taking over repetitive tasks, allowing for safer and more efficient operations. Advancements in robotics and AI are enabling remote-controlled or even fully automated mining, reducing the need for human workers in risky environments. Sustainability is a major focus. Companies are looking for ways to reduce their environmental impacts.

## OUTCOMES

The participants of the lecture will be able to understand recent trends and innovations in mining industry.

## RESOURCE PERSON

**Dr. M. Aruna**

Professor

Min.E Department,  
NITK, Surathkal, Karnataka.

## COORDINATOR

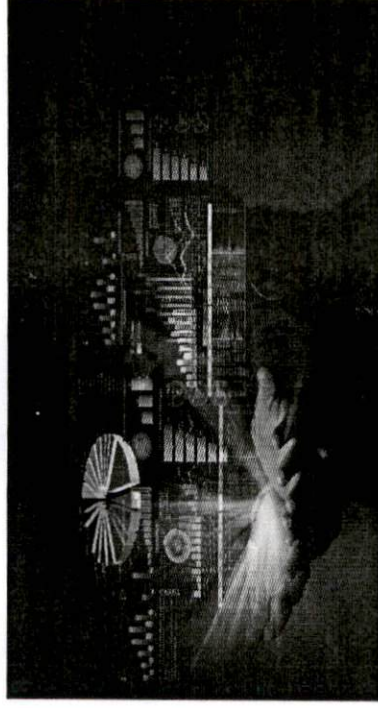
**Mr. M. John William,**

Asst. Prof, Dept. of Min.E.

A Guest Lecture  
On

## “Recent Trends and Innovation in Mining Industry”

04-11-2022



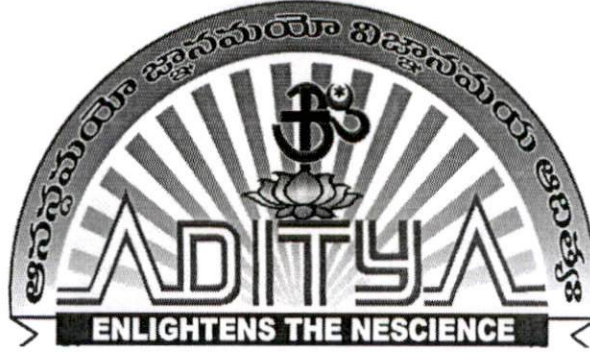
Organized by  
**Department of Mining Engineering**  
In association with  
**THE INSTITUTION OF ENGINEERS (INDIA)**



**ADITYA ENGINEERING COLLEGE (A)**

Aditya Nagar, ADB Road, Surampalem-Pin: 533437, East  
Godavari District, Andhra Pradesh, India.





## **ADITYA ENGINEERING COLLEGE (A)**

**A Guest Lecture Programme on**

# **"Recent Trends and Innovation in Mining Industry"**

**Organised By**

**Department of Mining Engineering**

### **Guest Speaker :**

**Dr. M. Aruna**

**Professor**

**Min. E Department,  
NITK, Surathkal.**

**Date: 04-11-2022**

**Timings : 10:00AM - 04:00PM**

**Venue: K. L. Rao Bhavan, Seminar Hall, RoOM No. 301.**



# ADITYA ENGINEERING COLLEGE (A)

Aditya Nagar, ADB Road, Surampalem

## PROFESSIONAL SOCIETIES COORDINATION COMMITTEE

Date: 03.11.2022

### CIRCULAR

All the B. Tech V & VII semester students of Mining Engineering are hereby informed that the department of Mining Engineering is organizing “**A Guest Lecture Programme on Recent Trends and Innovation in Mining Industry**” on 04-11-2022. Hence, all the students are advised to attend the programme and utilise this opportunity. For further information you can contact event coordinator **Mr. M. John William**, Assistant Professor, Department of Mining Engineering.

**Venue:** K. L. Rao Bhavan, Seminar Hall, Room No. 301.

**Timings:** 10:00 AM to 12:00 PM

02:00 PM to 04:00 PM

PRINCIPAL  
PRINCIPAL

ADITYA ENGINEERING COLLEGE  
SURAMPALAM - 533 437



# ADITYA ENGINEERING COLLEGE (A)

Aditya Nagar, ADB Road, Surampalem

## PROFESSIONAL SOCIETIES COORDINATION COMMITTEE

Date: 04.11.2022.


### **Programme Schedule for A Guest Lecture Programme on “Recent Trends and Innovation in Mining Industry”**

Time	Batch	Topic
10:00 a.m.–12:00 p.m.	Batch-1 (III Semester)	<ul style="list-style-type: none"><li>• Introduction to recent technologies</li><li>• Key concepts of ML in mining</li><li>• New techniques with AI in mining</li><li>• Advantages of AI &amp; ML for mining</li></ul>
02.00 p.m.-04.00 p.m.	Batch-2 (V Semester)	

#### **Resource Person:**

Dr. M. Aruna, Professor, Min. E. Department. NITK, Surathkal, Karnataka.

  
Coordinator

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





# ADITYA ENGINEERING COLLEGE (A)

Aditya Nagar, ADB Road, Surampalem

## DEPARTMENT OF MINING ENGINEERING

Name of the Programme: : Recent Trends and Innovation in Mining Industry

### Attendance Sheet

S.No:	Roll No.	Student Name	Signature
1	21A95A2631	BUDDA CHANDRAKIRAN	chandsakiran
2	21A95A2601	DOSAKAYALAPATI SANTHI KUMAR	D. S. Kumar
3	21A95A2602	BHAREDDY PARTHA SARATHI REDDY	B. Parthasaritha
4	21A95A2605	RAMIREDDY PAVAN KUMAR REDDY	R. Pavan Kumar
5	21A95A2606	DEGALA VEERABABU	D. Veerababu
6	21A95A2607	GUNTAKA MAHESWARA REDDY	G. Maheswara
7	21A95A2608	KONA DILEEP KUMAR	K. Dileep Kumar
8	21A95A2609	MOHAN REDDY PURITIPATI	M. Puritipati
9	21A95A2610	MAHESH BABU CHATLA	C. Mahesh Babu
10	21A95A2611	JANI BASHA TANDA	T. Jani Basha
11	21A95A2612	NEELISETTY PRANAY	N. Pranay
12	21A95A2613	UPETI PENCHALAI AH	U. Penchalaiah
13	21A95A2614	RONGALA VENKATA RAJU	R. Raju
14	21A95A2615	SHEIK SHARIF	S. Sharif
15	21A95A2616	NARAPATI DEVI RAM PRASAD	N. Devirama Prasad
16	21A95A2617	KROVVIDI SATHWIK KUMAR	K. Sathwik Kumar
17	21A95A2618	SHAIK DARIN BASHA	S. Darin Basha
18	21A95A2619	AMARA GURUCHARAN	A. Gurucharan
19	21A95A2620	GAYAM SIVA REDDY	G. Siva Reddy
20	21A95A2621	VODELA SHIVA RAM	V. Shiva Ram
21	21A95A2622	YANUPOTHULA SURESH	Y. Suresh
22	21A95A2623	NAGUR LOKESWAR REDDY	N. Lokeshwar Reddy
23	21A95A2624	CHITTAM VIJAY	Vijay
24	21A95A2626	BANDI SAI KRISHNA RAYUDU	B. Sai Krishna
25	21A95A2628	GULLIPALLI JAYARAMAKRISHNA	G. Jayaram Krishna
26	21A95A2629	MULAGUNDLA THIRUMAL	M. Thirumala
27	19A91A2601	AMISI RWANYANGE MAURICE	A. Maurice
28	19A91A2602	ANIKET MAHATO	A. Mahato
29	19A91A2603	BHARAT KUMAR MAHATO	B. Mahato
30	19A91A2604	BHUVANESH	B. Anesh
31	19A91A2605	BOLLIGARLA TRISHA	B. Trisha
32	19A91A2606	CHINTAMREDDY DEVI PRATHAP REDDY	C. Deviprathap

S.No:	Roll No.	Student Name	Signature
33	19A91A2607	KOLLA SAKETH	Saketh
34	19A91A2608	MAYANK VERMA	Verma
35	19A91A2609	PANCHADA SURYAKIRAN	P. Surya Kiran
36	19A91A2611	SHAIK MUSHARAF	Musharaf
37	19A91A2612	SHAIK SAMEER	S. Sameer
38	19A91A2613	TULABANDULA ESWAR NAGA SAI	T. Eswar Naga Sai
39	19A91A2614	VENNAPUSA PAVAN KUMAR REDDY	V. Pavan Kumar
40	19A91A2615	ADESH K A	K. Adesh
41	20A95A2601	YARRABOTHULA PHANIKUMAR REDDY	P. Phanikumar
42	20A95A2602	KANDAVALLI RAMBABU	Rambabu
43	20A95A2603	BHUKYA VEERANNA	B. Veeranna
44	20A95A2604	ALAMURI MAHAMMAD SHARIF	MD. Sharif
45	20A95A2605	GODDUVELAGALA GANESH	Ganesh
46	20A95A2606	CHITTE SAI KIRAN	Ch. Sai Kiran
47	20A95A2607	SIMHAM SIVA PRASAD	S. Siva Prasad
48	20A95A2608	ILAPURAM ARAVIND	I. ARAVIND
49	20A95A2609	BHUKYA PAVAN KUMAR	B. Pavan Kumar
50	20A95A2610	BANALA VAMSHI KRISHNA	B. Vamshi Krishna
51	20A95A2611	PIDUGU SAI VAMSHI	P. Siva
52	20A95A2612	ESLAVATH MOHAN RAO	Mohan Rao
53	20A95A2613	BODDUPALLI RAKESH	B. Rakesh
54	20A95A2614	JATOTH KARTHIK	B. Rakesh
55	20A95A2615	MADASU SAI KIRAN	M. Sai Kiran
56	20A95A2616	KANNA SUBBA RAO	K. Subba Rao
57	20A95A2617	POLOJU RAVI TEJA	P. Ravi Teja
58	20A95A2618	DEVARAPU PREM KUMAR	D. Prem Kumar
59	20A95A2619	BUDATI VINAY BABU	B. Babu
60	20A95A2620	VASALA SANNITH KUMAR	V. Sannith Kumar
61	20A95A2621	AKULA PAVANKALYAN	A. Pavankalyan
62	20A95A2622	LAKKAM SRINIVAS	L. Srinivas

  
Coordinator

  
Convener



# Aditya Engineering College(A)

## Department of Mining Engineering

### **Recent Trends and Innovation in Mining Industry**

**Date: 04-11-2022**

1. How much this presentation was clear and informative?

- ☐ Excellent
- ☐ Very Good
- ☐ Good
- ☐ Average
- ☐ Below Average

2. How much this session was useful for career development?

- ☐ Excellent
- ☐ Very Good
- ☐ Good
- ☐ Average
- ☐ Below Average

3. To what extent the speaker is interactive with participants?

- ☐ Excellent
- ☐ Very Good
- ☐ Good
- ☐ Average
- ☐ Below average

4. To what extent the program has reached your expectations?

- ☐ Excellent
- ☐ Very Good
- ☐ Good
- ☐ Average
- ☐ Below average

5. How do you rate the lecture overall in terms of usefulness and effectiveness?

- ☐ Excellent
- ☐ Very Good
- ☐ Good
- ☐ Average
- ☐ Below average

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Microsoft Forms



ID	Name	How much this presentation was clear and informative?	How much this session was useful for career development?	To what extent the speaker is interactive with participants?	To what extent the program has reached your expectations?	How do you rate the lecture overall in terms of usefulness and effectiveness?	Any suggestions for further improvement.
1	Anonymous	Excellent	Excellent	Excellent	Excellent	Excellent	Nothing
2	Anonymous	Excellent	Excellent	Excellent	Excellent	Excellent	No
3	Anonymous	Average	Average	Average	Excellent	Average	No
4	Anonymous	Excellent	Excellent	Excellent	Excellent	Excellent	No
5	Anonymous	Excellent	Very Good	Excellent	Excellent	Excellent	Nothing
6	Anonymous	Excellent	Excellent	Very Good	Excellent	Very Good	No
7	Anonymous	Very Good	Very Good	Excellent	Very Good	Very Good	No
8	Anonymous	Good	Good	Good	Good	Good	No
9	Anonymous	Very Good	Good	Very Good	Very Good	Good	No
10	Anonymous	Excellent	Excellent	Excellent	Good	Excellent	No
11	Anonymous	Excellent	Very Good	Excellent	Very Good	Very Good	Every thing is very good well explained
12	Anonymous	Good	Very Good	Good	Average	Very Good	No
13	Anonymous	Excellent	Excellent	Excellent	Excellent	Excellent	No
14	Anonymous	Very Good	Very Good	Very Good	Very Good	Good	Every thing is very good
15	Anonymous	Excellent	Excellent	Excellent	Excellent	Excellent	Nope
16	Anonymous	Good	Good	Good	Good	Very Good	No
17	Anonymous	Excellent	Excellent	Excellent	Excellent	Excellent	Not required
18	Anonymous	Excellent	Excellent	Excellent	Excellent	Excellent	No
19	Anonymous	Excellent	Excellent	Excellent	Very Good	Very Good	No
20	Anonymous	Very Good	Very Good	Very Good	Very Good	Very Good	Good
21	Anonymous	Excellent	Excellent	Excellent	Excellent	Excellent	No
22	Anonymous	Excellent	Excellent	Excellent	Very Good	Very Good	Nothing
23	Anonymous	Very Good	Very Good	Very Good	Very Good	Very Good	Nothing
24	Anonymous	Excellent	Excellent	Excellent	Excellent	Excellent	None
25	Anonymous	Good	Good	Very Good	Very Good	Good	No
26	Anonymous	Excellent	Good	Good	Very Good	Very Good	No
27	Anonymous	Very Good	Very Good	Very Good	Very Good	Very Good	No comments
28	Anonymous	Very Good	Good	Very Good	Very Good	Good	Nah
29	Anonymous	Excellent	Very Good	Very Good	Very Good	Very Good	Every thing is very good well explained
30	Anonymous	Excellent	Very Good	Very Good	Very Good	Very Good	No
31	Anonymous	Excellent	Excellent	Excellent	Excellent	Excellent	Every things very good well explained
32	Anonymous	Very Good	Very Good	Very Good	Very Good	Very Good	No
33	Anonymous	Excellent	Excellent	Excellent	Very Good	Very Good	good
34	Anonymous	Very Good	Very Good	Very Good	Very Good	Very Good	no
35	Anonymous	Excellent	Excellent	Good	Good	Excellent	Good
36	Anonymous	Very Good	Very Good	Very Good	Very Good	Very Good	Good
37	Anonymous	Very Good	Very Good	Excellent	Very Good	Very Good	Good
38	Anonymous	Good	Very Good	Good	Good	Good	No
39	Anonymous	Very Good	Very Good	Good	Very Good	Good	Nothing
40	Anonymous	Excellent	Excellent	Excellent	Excellent	Excellent	Nothing
41	Anonymous	Excellent	Excellent	Excellent	Very Good	Excellent	No







# ADITYA ENGINEERING COLLEGE (A)

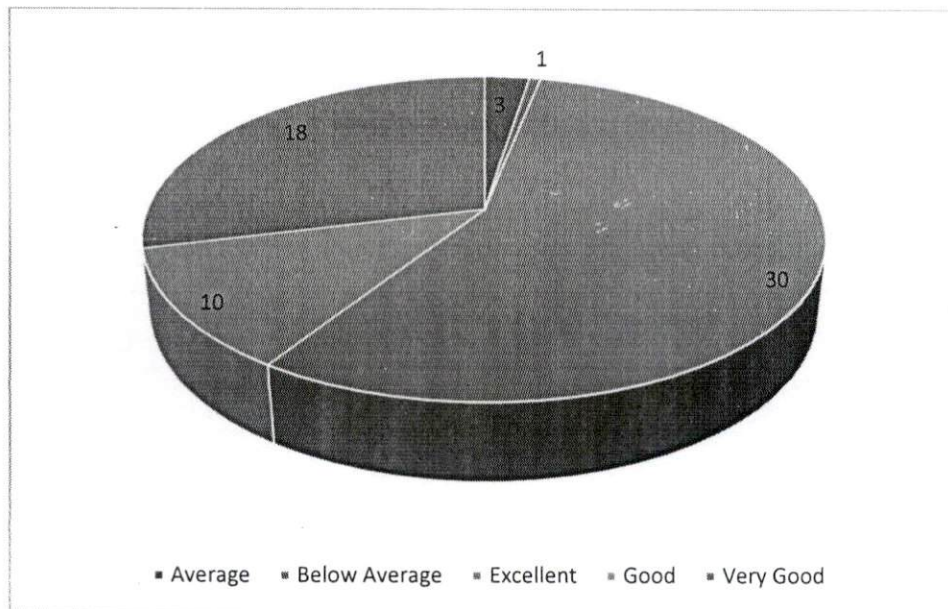
Aditya Nagar, ADB Road, Surampalem

## PROFESSIONAL SOCIETIES COORDINATION COMMITTEE

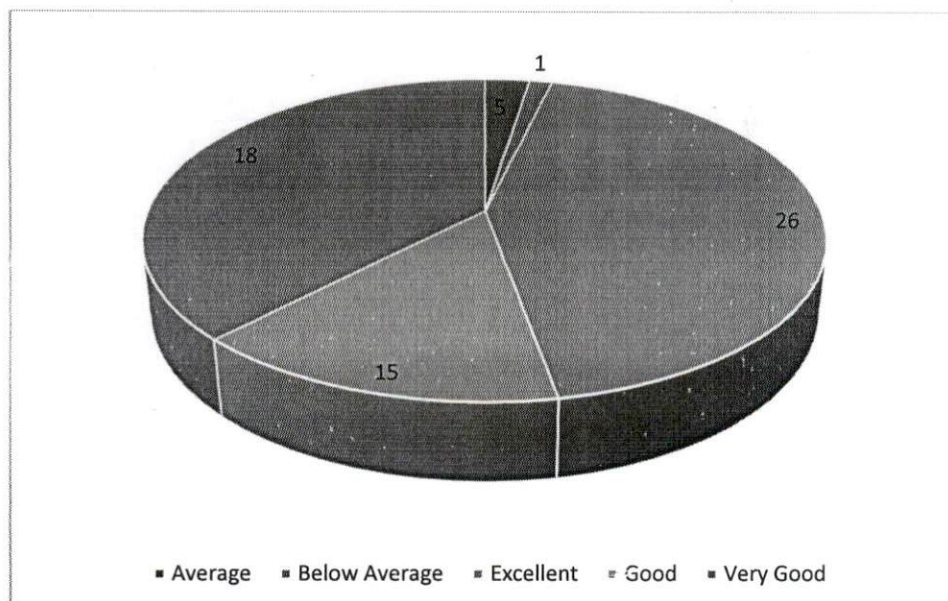
Date: 05.11.2022

### Feedback Report on "Recent Trends and Innovation in Mining Industry"

1. How much this presentation was clear and informative?

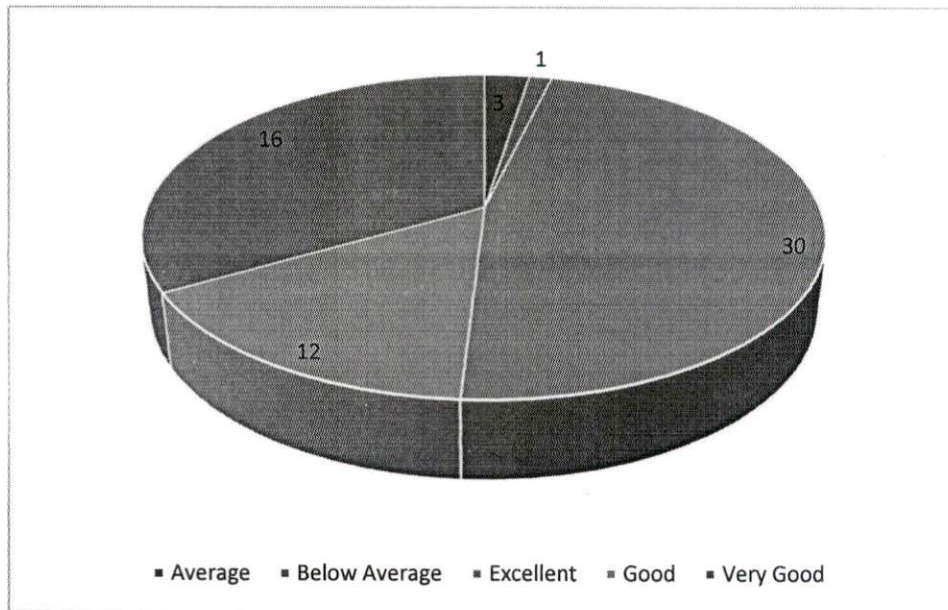


2. How much this session was useful for career development?

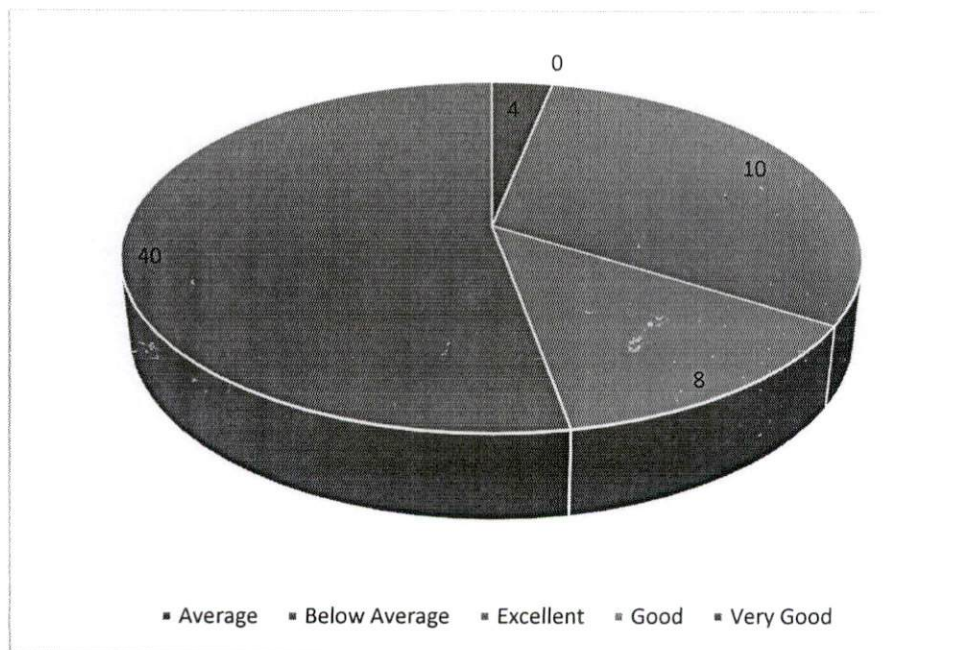




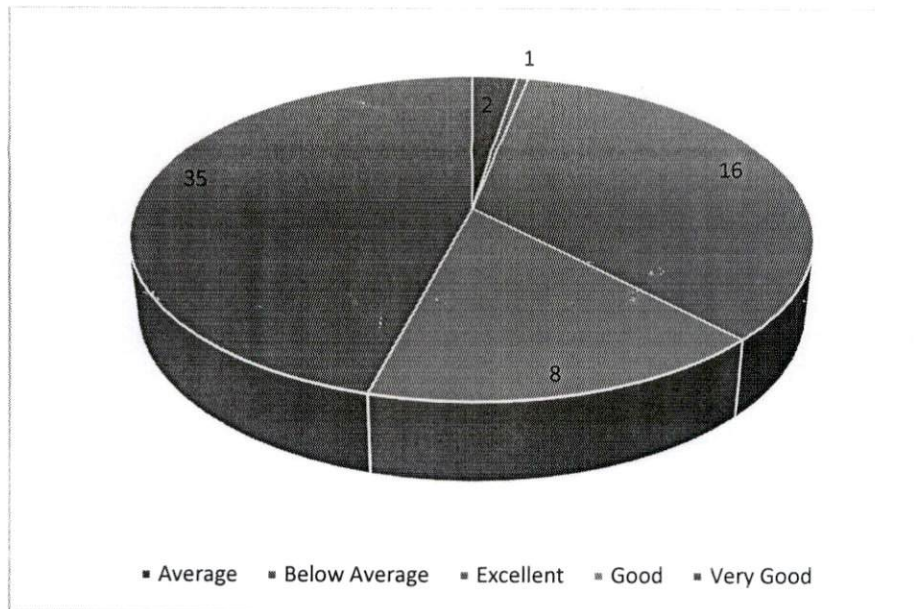
3. To what extent the speaker is interactive with participants?



4. To what extent the program has reached your expectations?



5. How do you rate the lecture overall?



*M. P. B.*  
Coordinator

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





# ADITYA ENGINEERING COLLEGE (A)

Aditya Nagar, ADB Road, Surampalem

## PROFESSIONAL SOCIETIES COORDINATION COMMITTEE

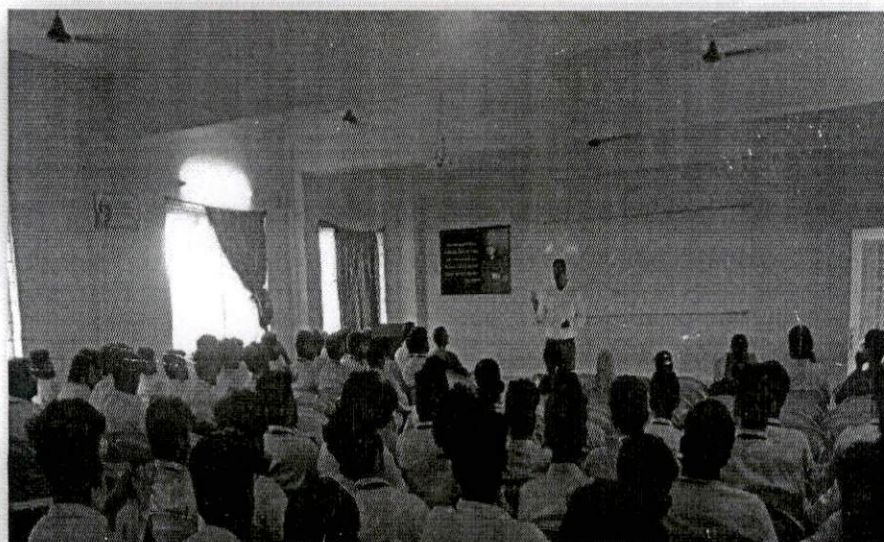
### A Guest Lecture Programme on

### “Recent Trends and Innovation in Mining Industry”

#### Photos:



Inaugural session



Presentation session





Valedictory session

*M. P. B.*  
Coordinator

*S. M. D.*  
Head of the Department  
*Head of the Department*  
DEPARTMENT OF MINING ENGINEERING  
ADITYA ENGINEERING COLLEGE (A9)



# ADITYA ENGINEERING COLLEGE (A)

Aditya Nagar, ADB Road, Surampalem

## PROFESSIONAL SOCIETIES COORDINATION COMMITTEE

### Budget Utilization Report

**Name of the Programme:** A Guest Lecture Programme on “Recent Trends and Innovation in Mining Industry”

**Dates(s):** 04-11-2022

**Number of Students Participated:** 62

S. No.	Particulars	Amount in Rs.
1	Honorarium	10,000
2	Travel Allowance	4,000
3	Miscellaneous	1,000
Total		15,000

  
Coordinator

  
Convener



# ADITYA ENGINEERING COLLEGE (A)

Aditya Nagar, ADB Road, Surampalem

## PROFESSIONAL SOCIETIES COORDINATION COMMITTEE

Date: 08.11.2022

### Report on

### A Guest Lecture Programme on

### “Recent Trends and Innovation in Mining Industry”

**Name of the Event:** Recent Trends and Innovation in Mining Industry

**Introduction to Event:** A Guest Lecture on Recent Trends and Innovation in Mining Industry was organised on 04-11-2022 at Aditya Engineering College (A) Surampalem to make the students understand Recent Trends and Innovation in Mining Industry. This programme has been organized by Department of Mining Engineering.

**Event Dates:** 04-11-2022

**Co-ordinator:** Mr. M. John William, Assistant Professor, Department of Mining Engineering.

#### **Event Flow:**

- Introduction to recent technologies
- Key concepts of ML in mining
- New techniques with AI in mining
- Advantages of AI & ML for mining

**No. of Participants:** 62

**Name of the Expert with Designation:** Dr. M. Aruna, Professor, NITK, Surathkal, Karnataka.

#### **Expert's Profile:**

Dr. M. Aruna is a highly experienced professor at the National Institute of Technology Karnataka (NITK) Surathkal, India. They boast a distinguished career spanning over 20 years in teaching and 5 years in industry. Dr. Aruna is a passionate researcher with a strong focus on environmental and engineering challenges. Their research contributions include, played a key role in the project titled "Study of Generation, Measurement and Control of Noise Pollution for Opencast Coal Mines," sponsored by KREC, Surathkal. This project investigated noise pollution issues in opencast coal mines and explored potential control measures.

**Venue:** K.L. Rao Bhawan, Seminar Hall, Room No. 301.

**Hospitality/Accommodation:** Yes



**Staffing:**

1. Mr. R.Sudhakar Reddy, Asst. Professor, Department of Mining Engineering.
2. Mr. J. Yernaidu, Asst. Professor, Department of Mining Engineering.

**Outcomes:**

Students were equipped with the knowledge on Recent Trends and Innovation in Mining Industry.


The students got familiarized about

- Introduction to recent technologies
- Key concepts of ML in mining
- New techniques with AI in mining
- Advantages of AI & ML for mining

**Closing remarks:**

After this Programme, students got clarity about Recent Trends and Innovation in Mining Industry and as it was one of the good opportunities, all the participants were involved and interacted well.

  
Coordinator

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