



**ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY AND SCIENCES**

( UGC Autonomous )

(Permanently Affiliated to AU, Approved by AICTE, Accredited by NBA & NAAC with 'A' Grade)

Sangivalasa-531 162, Bheemunipatnam Mandal, Visakhapatnam Dt.

18.08.2022

**CIRCULAR**

This is to inform all the first year students that, Department of Mathematics & Physics are planning to organize an Industrial visit for I/IV B.Tech Engineering students to Visakhapatnam Steel Plant as per the direction of the Principal. In this regard interested students are requested to enrol their names along with their respective class teachers on or before 20.08.2022.

*M.V. Subba Rao*

Prof M.V. Subba Rao  
HoD, Mathematics

Head of the Department  
Basic Science & Humanities

Anil Neerukonda Institute of  
Technology & Sciences

Sangivalasa, Visakhapatnam-531 162

Copy to:

1. All Engineering HODs
2. First year Corordinators
3. Principal Office

*ho*

Prof.P. Venkateswarulu  
HoD, Physics

Head of the Department of Physics  
Anil Neerukonda Institute of

Technology & Sciences

Sangivalasa-531 162

**ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY AND SCIENCES**

(UGC AUTONOMOUS)

(Approved by AICTE, Affiliated to Andhra University & Accredited by NBA, NAAC)

Sangivalasa-531162, Bheemunipatnam Mandal, Visakhapatnam Dt.

Phone: 08933- 225084,226395

From

Prof M.V.SubbaRao & Prof.P.Venkateswarulu,  
Head of the Department,  
Department of Mathematics and Physics,  
ANITS,  
Visakhapatnam.

To  
CGM Works I/C  
Visakhapatnam Steel Plant,  
Visakhapatnam.

Dear Sir,

**Subject:** Request to provide industrial visit for I/IV .B.Tech students of ANITS in your esteemed organisation-reg.

Greetings!

ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY AND SCIENCES (ANITS), was established in the Academic Year 2001-02 with the approval of the AICTE, New Delhi and is affiliated to Andhra University, Visakhapatnam. Over the years the college has made great strides and grown by leaps and bounds with the development of infrastructure, addition of new courses at both UG and PG levels, induction of talented and experienced faculty and creating an ambience where academics take the top most priority.

The Departments of Mathematics and Physics were introduced in the year 2001 offering different courses to all First year and Second year engineering branches. To make the students expose to the industrial equipment and also to assimilate their theoretical knowledge with the factory, industry visits are necessary.

Hence, I request you to kindly arrange to provide industrial visit to our 1st year B. Tech students (around 50) on 26<sup>th</sup> August.2022 as per your convenience. We look forward for your affirmative reply.

Thanking you,

**Faculty Coordinators:**

- 1.Dr A.Ramesh Babu. (Asst Professor), Dept. of Mathematics
- 2.Dr. K.Srinivasa Rao. (Asst Professor) Dept. of Physics

Copy to HOD L&DC for kind consideration.

Yours sincerely,  
M.V.Subba Rao  
Head of the Department  
Basic Science & Humanities  
Anil Neerukonda Institute of  
Technology & Sciences  
Sangivalasa, Visakhapatnam-531 162  
ANITS

Head of the Department of Physics  
Anil Neerukonda Institute of  
Technology & Sciences  
Sar



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'UGC AUTONOMOUS'

(Permanently Affiliated to Andhra University, Approved by AICTE, Accredited by NBA & NAAC with 'A' Grade)

SANGIVALASA - 531 162, BHEEMUNIPATNAM MANDAL, VISAKHAPATNAM DIST.,

Phones : 08933 - 225083, 225084, 226131, Fax: 08933 - 226395

e-mail : principal@anits.edu.in

Website : www.anits.edu.in

Date: 18-08-2022

From  
Prof M.V. Subba Rao & Prof.P.Venkateswarulu,  
Head of the Department,  
Department of Mathematics and Physics,  
ANITS, Visakhapatnam.

To  
CGM Works I/C  
Visakhapatnam Steel Plant,  
Visakhapatnam.

Dear Sir,

*P. Subba Rao  
25/8/22  
DGM (TM) - ANM*

*May be allowed.  
anmmbarts*

आमजीत चक्रवर्ती  
मुख्य महा प्रबंधक (संक्रम) प्रमारी  
Chief General Manager (Works) I/c.  
आन आई एन एल, विशाखपट्टणम इस्पात संयंत्र  
Visakhapatnam Steel Plant  
Visakhapatnam-530 031

**Subject:** Request to provide industrial visit for I/IV .B.Tech students of ANITS in your esteemed organisation-reg.

Greetings!

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Thanking you,

*Ravi Kumar MUSR,  
ENO. 116932, MKTG  
will accompany the  
tour - ph: 833298324  
Balaji*

**Faculty Coordinators:**

1. Dr A.Ramesh Babu. (Asst Professor), Dept. of Mathematics
2. Dr. K.Srinivasa Rao. (Asst Professor) Dept. of Physics
3. T.V.N. Raju (Driver)

Bus No: AP31 TH6410

Yours sincerely,

*M.V. Subba Rao  
Head of the*

Department of Mathematics & Physics, ANITS

Anil Neerukonda Institute of

Technology & Science

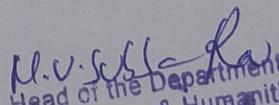
Sangivalasa-531 162

Copy to HoD L&DC for kind consideration.

Steel Plant Visitor's Pass:

**ENTRY/EXIT**  
Only Through Plant Plaza Gate

	<b>RASHTRIYA ISPAT NIGAM LIMITED</b>	
	<b>VISAKHAPATNAM STEEL PLANT</b>	
<b>VISAKHAPATNAM - 530 031</b>		
Pass No. <b>12550</b>	<b>VISITORS PASS</b>	Date: <b>25-8-22</b>
Name: <b>M/S ANITS, VSP</b>	Designation:	
Emp. No.:	Department:	
Purpose of Visit: <b>PLANT ONLY</b>	Visit on: <b>26-8-22</b>	
No. of Visitors: <b>56</b>	<b>Fifty six only</b>	
Vehicle No.: <b>AP31TH6410</b>		
Time in:	Time out:	
 Signature of Visitor	 एम. अन्वेष- <b>M. ANVESH</b> प्रबंधक (प्रशासन) Manager (Adm.) भारतीय प्रशासन विभाग-Gen. Adm. Deptt. Rashtriya Ispat Nigam Limited, Visakhapatnam Steel Plant विशाखपट्टणम-Visakhapatnam-530 031	
<b>Note: Visitors are not allowed to visit SMS/Converter Shop, Instructions overleaf</b>		

  
**M.V. Subbarao**  
Head of the Department  
Basic Science & Humanities  
**Anil Neerukonda Institute of  
Technology & Sciences**  
Sangivalasa, Visakhapatnam-531 162



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To  
The Principal  
ANIL Neerukonda Institute of Technology and Sciences (A)  
Visakhapatnam

Respected Sir,

**Sub:** Permission for faculty to accompany students to Steel plant -reg

With your permission, the Industrial visit to Visakhapatnam Steel plant has been arranged to first year students (2021-22) on 26-08-2022 and the following faculty of our department are accompanying students to the plant.

1. Dr. A. Ramesh Babu
2. Dr. M. Vinod Kumar
3. Mr. B. Ravi Kumar
4. Mrs. M. S. S. R. Mallika

In this connection, I request you to kindly give permission or sanction on duty today (26-08-2022) for the above mentioned faculty.

Thanking you sir,

Yours sincerely

*M.V. Subba Rao*

Head of the Department

Prof. M. V. Subba Rao (HoD, Maths)

Anil Neerukonda Institute of  
Technology & Sciences

Sangivalasa, Visakhapatnam-531 162



**ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES**  
(Affiliated to Andhra University, Approved by AICTE & Accredited by NBA)  
Sangivalasa - 531162, Bheemunipatnam Mandal, Visakhapatnam.

**Industrial visit for Vizag Steel Plant**

**(26-08-2022)**

**List of Students**

S.NO	NAME OF THE STUDENT	REGD NO	BRANCH	
1	P TEHAVARDHAN	A21126512111	ECE-B	
2	J RICAR REZEEN	A21126512090	ECE-B	
3	K LIKHITHA	A21126512095	ECE-B	
4	G LAKSHMI SRIVALLI	A21126512084	ECE-B	
5	BOYINA RASHMITHA	A21126512072	ECE-B	
6	V CHANDRA SEKHAR	A21126512125	ECE-B	
7	L HYMAVATHI	A21126512098	ECE-B	
8	B BHANU PRABHAS	A21126512070	ECE-B	
9	N GOWTHAMI	A21126512105	ECE-B	
10	V N N PHANI	A21126512124	ECE-B	
11	SIVALI KOMALI NAIDU	A21126512060	ECE-A	
12	K YUGNADHAR	A21126512026	ECE-A	
13	B PERN SREE	A21126512048	ECE-A	
14	CHARISHMA	A21126512041	ECE-A	
15	S PADMA	A21126512061	ECE-A	
16	S NIKHIL	A21126512062	ECE-A	
17	R NEELIMA	A21126512053	ECE-A	
18	J GNANA SAI	A21126512022	ECE-A	
19	MD AASIF	A21126512039	ECE-A	
20	D DEEPIKA	A21126512014	ECE-A	
21	D NAVANEETH	A21126514010	EEE-A	
22	T GLORIA	A21126514055	EEE-A	
23	U VASUNDHRA	A21126514056	EEE-A	
24	NBL BHAVAN	A21126514038	EEE-A	
25	G LAHARIKA	A21126514014	EEE-A	
26	SRINIVAS LAKKIKSETTI	A21126514029	EEE-A	
27	G VAISHNAVI	A21126514017	EEE-A	
28	Y VINUTHA	A21126514061	EEE-A	
29	L SANJAY KUMAR	A21126514028	EEE-A	

30	R SUSHANT PATNAIK	A21126514045	EEE-A	
31	K ASHOK KUMAR	A21126514096	EEE-B	
32	M BHAVANA SAI SIRISHA	A21126514102	EEE-B	
33	V RESHMA	A21126514123	EEE-B	
34	K VINAY	A21126514095	EEE-B	
35	Y YAMINI PRIYA	A21126514125	EEE-B	
36	S MADHURI	A21126514118	EEE-B	
37	M SHARMILA	A21126514099	EEE-B	
38	A ASHA BHAVANI	A21126514062	EEE-B	
39	T RADHIKA	A21126514122	EEE-B	
40	D ANUSHA	A21126514078	EEE-B	
41	ABHISHEK RATHO	A21126510133	CSE-C	
42	B MANICHANDANA	A21126510137	CSE-C	
43	DORA SRUTHI	A21126510145	CSE-C	
44	I TULASI	A21126510159	CSE-C	
45	K ADITHYA	A21126510163	CSE-C	
46	G VARSHITH	A21126510156	CSE-C	
47	K AKHILA	A21126510171	CSE-C	
48	L KALYANI	A21126510175	CSE-C	
49	P DEEPIKA TANMAYI	A21126510180	CSE-C	
50	N KIRAN	FACULTY	EEE	

*M.V. Subba Rao*

Prof M.V. Subba Rao  
 HoD, Mathematics  
 Basic Science & Humanities  
 Anil Neerukonda Institute of  
 Technology & Sciences  
 Sangivalasa, Visakhapatnam-531 152

*h*

Prof.P. Venkateswarulu  
 HoD, Physics  
 Head of the Department of Physics  
 Anil Neerukonda Institute of  
 Technology & Sciences  
 Sangivalasa, Visakhapatnam-531 152



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Sangivalasa - 531162, Bheemunipatnam Mandal, Visakhapatnam.

Industrial visit for Vizag Steel Plant

(26-08-2022)

List of Students

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1	P TEHAVARDHAN	A21126512111	ECE-B	P. Tehavardhan
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3	K LIKHITHA	A21126512095	ECE-B	K. Likhitha
4	G LAKSHMI SRIVALLI	A21126512084	ECE-B	G. Lakshmi Srivalli
5	BOYINA RASHMITHA	A21126512072	ECE-B	Boyina Rashmitha
6	V CHANDRA SEKHAR	A21126512125	ECE-B	V. Chandra Sekhar
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9	N GOWTHAMI	A21126512105	ECE-B	N. Gowthami
10	V N N PHANI	A21126512124	ECE-B	V. N. N. Phani
11	SIVALI KOMALI NAIDU	A21126512060	ECE-A	Sivali Komali Naidu
12	K YUGNADHAR	A21126512026	ECE-A	K. Yugnadhara
13	B PERN SREE	A21126512048	ECE-A	B. Pern Sree
14	CHARISHMA	A21126512041	ECE-A	Charishma
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16	S NIKHIL	A21126512062	ECE-A	S. Nikhil
17	R NEELIMA	A21126512053	ECE-A	R. Neelima
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27	G VAISHNAVI	A21126514017	EEE-A	G. Vaishnavi
28	Y VINUTHA	A21126514061	EEE-A	Y. Vinutha
29	L SANJAY KUMAR	A21126514028	EEE-A	L. Sanjay Kumar

30	R SUSHANT PATNAIK	A21126514045	EEE-A	<i>R. Sushant</i>
31	K ASHOK KUMAR	A21126514096	EEE-B	<i>K. Ashok</i>
32	M BHAVANA SAI SIRISHA	A21126514102	EEE-B	<i>M. Bhavana</i>
33	V RESHMA	A21126514123	EEE-B	<i>V. Reshma</i>
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42	B MANICHANDANA	A21126510137	CSE-C	<i>B. Manichandana</i>
43	DORA SRUTHI	A21126510145	CSE-C	<i>D. Sruthi</i>
44	I TULASI	A21126510159	CSE-C	<i>I. Tulasi</i>
45	K ADITHYA	A21126510163	CSE-C	<i>K. Adithya</i>
46	G VARSHITH	A21126510156	CSE-C	<i>G. Varshith</i>
47	K AKHILA	A21126510171	CSE-C	<i>K. Akhila</i>
48	L KALYANI	A21126510175	CSE-C	<i>L. Kalyani</i>
49	P DEEPIKA TANMAYI	A21126510180	CSE-C	<i>P. Deepika Tanmayi</i>
50	N KIRAN	FACULTY	EEE	<i>N. Kiran</i>

*M.V. Subba Rao*  
 Prof. M. V. Subba Rao  
 Head of the Department  
 Basic Science & Humanities  
 Anil Neerukonda Institute of  
 Technology & Sciences  
 Sangivarama, Visakhapatnam-531 162

*P. Venkateswarulu*  
 Prof. P. Venkateswarulu  
 HoD, Physics  
 Head of the Department of Physics  
 Anil Neerukonda Institute of  
 Technology & Sciences  
 Sangivarama, Visakhapatnam-531 162



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Sangivalasa-531 162, Bheemunipatnam Mandal, Visakhapatnam Dt.

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Dated 28.08.2022

### A REPORT ON ONE DAY INDUSTRIAL VIST

**Place of Visit:** RASHTRIYA ISPAT NIGAM LIMITED  
VISAKHAPATNAM STEEL PLANT, VISAKHAPATNAM-530031  
[www.vizagsteel.com](http://www.vizagsteel.com)

**Date of visit:** 26.08.2022

On receiving the letter of permission from CGM Works, Visakhapatnam Steel Plant, 50 students along with 5 faculty members went on a one day Industrial visit to Visakhapatnam Steel Plant on 26.08.2022.

**Objective of the visit:** The objective of an industrial visit is to provide the students an insight regarding the internal working of companies.

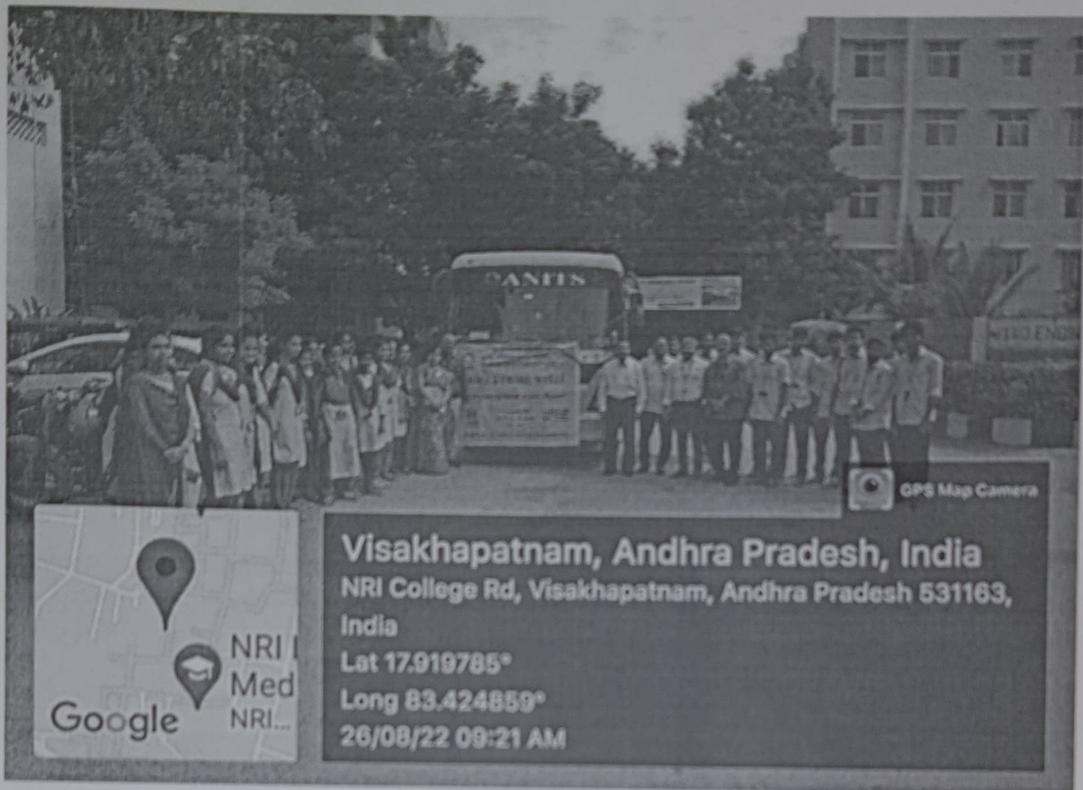
**FACULTY COORDINATORS:** 1. Dr. A. Ramesh Babu  
2. Dr. M. Vinod Kumar  
3. Dr. K. Srivivasa Rao  
4. Mr. B. Ravi Kumar  
5. Mrs. M. S. L. R. Mallika

On 26<sup>th</sup> of August 2022, the students with the Faculties assembled at the college premises at 9.00 am and left the college in a college bus at 9.30 am and reached the Vizag Steel Plant (VSP) Training and Development Department sharp at 11:30am. After the necessary permission from the Head of the TDD, they reached the main entrance of the VSP, guided by Mr. P. PallamRaju ,DGM, STM, Vizag Steel Plant. At the main entrance, the CISF guards issued the entry pass for all the visitors. They were given masks to be worn. At first, the students and the faculty visited the Coke Ovens & Coal Chemical Plant and got familiarized with the process of converting coke from coal. Students had an opportunity to visit steel manufacturing environment starting from Coke oven where coal is burnt into coke under very high temperature, sinter plant and blast furnace etc. This was a guided tour conducted by Mr, M.V.S.K.Ravi Kumar, Senior Manager, Marketing Department of Vizag Steel Plant nominated by Dept of HRD for 4 hours. Students were exposed to process layout plan, manufacturing resources, safety norms, and material handling equipments which will accelerate their professional competence in future.

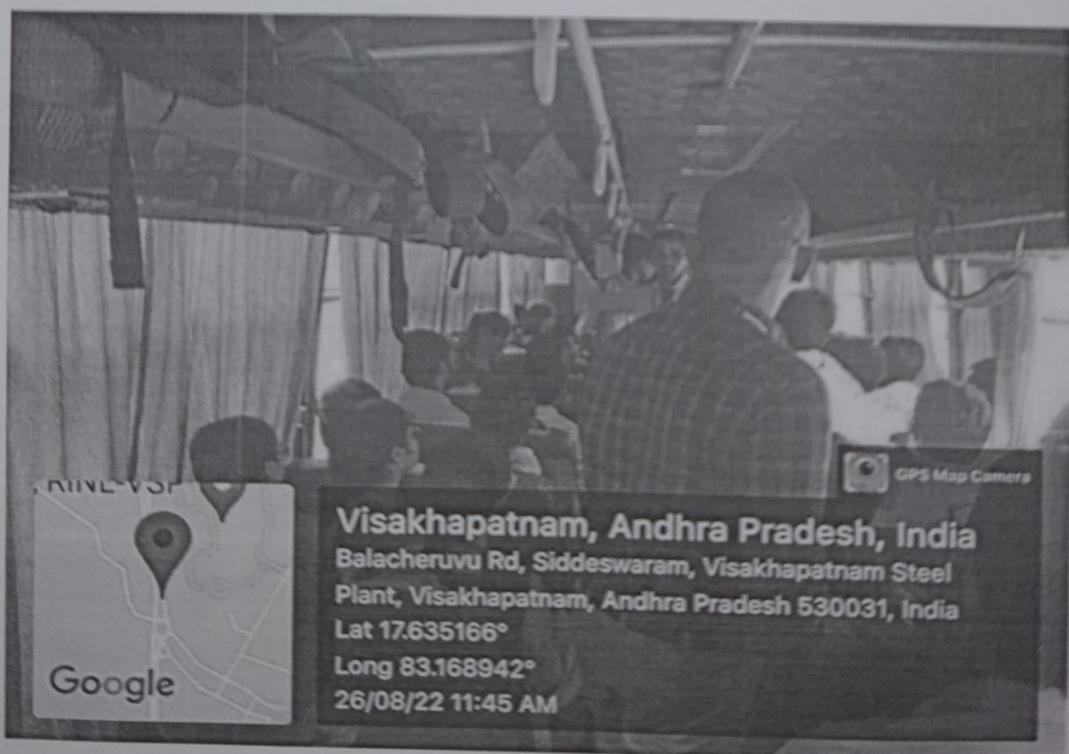
After spending half an hour in this part of the Plant, the students and the faculty now visited the Blast Furnace. Three Blast Furnaces are there. The students were permitted to visit the first one, which was in operation at that time. Iron is made in the Blast Furnaces by smelting iron bearing materials with the help of coke and air. The oxygen from the hot air combines with the carbon of the coke and generates heat and carbon monoxide. The gases, while ascending upwards react with the descending charge materials. Eventually the charge

melts and hot metal and slag are produced and tapped out. The evolved gas is also used as fuel in the plant. After having lunch in the Plant Canteen the students and faculty visited Steel Melt Shop (SMS) and also visited structural mills around 2.30pm. The visit came to an end at 4.30pm.

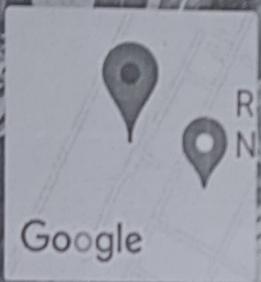
#### Before Starting to Steel Plant:



Explaining about the precautions to be taken by visitors by Plant official Mr. M.V.S.K. Ravi Kumar:



At Blast Furnace:



**Visakhapatnam, Andhra Pradesh, India**  
J654+V25, Siddeswaram, Visakhapatnam Steel Plant,  
Visakhapatnam, Andhra Pradesh 530031, India  
Lat 17.608592°  
Long 83.203873°  
26/08/22 12:44 PM

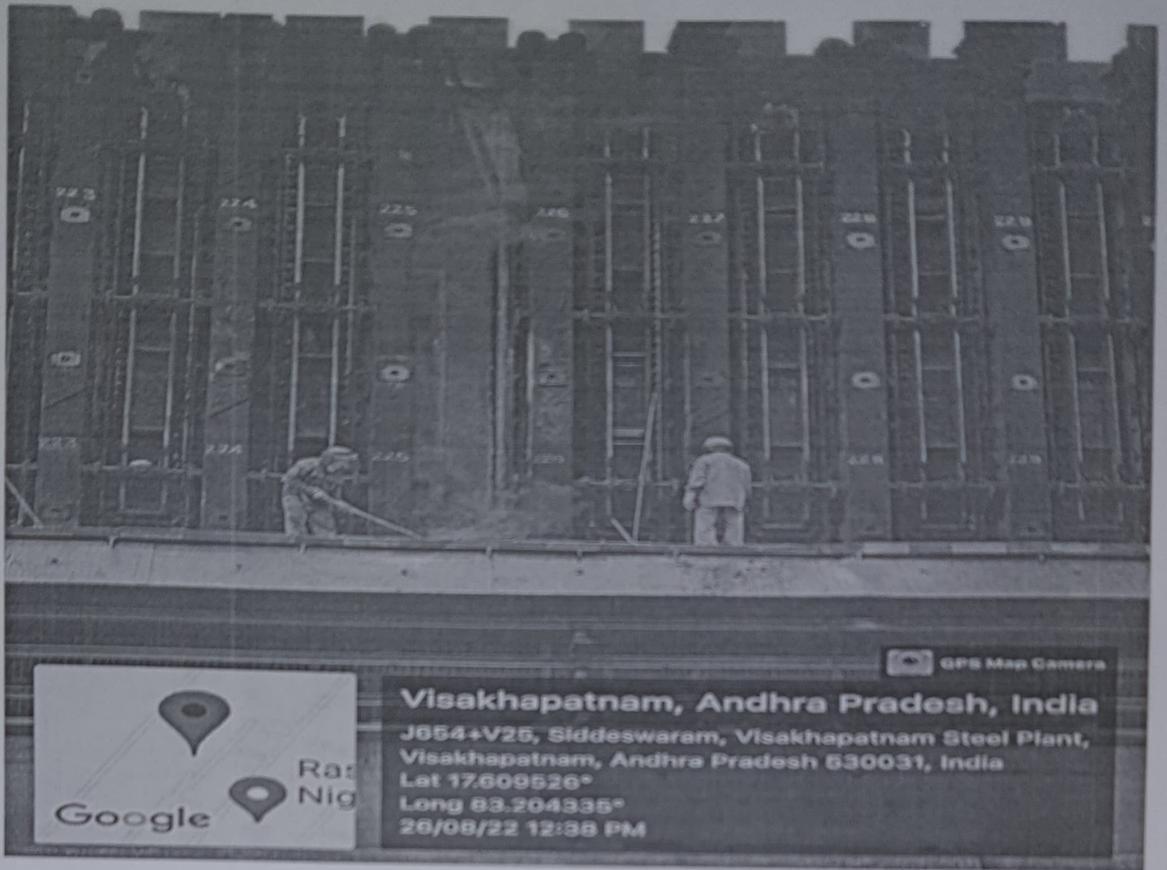
GPS Map Camera



**Visakhapatnam, Andhra Pradesh, India**  
J56R+3H5, Siddeswaram, Visakhapatnam Steel Plant,  
Visakhapatnam, Andhra Pradesh 530031, India  
Lat 17.60909°  
Long 83.190796°  
26/08/22 01:09 PM

GPS Map Camera

At Coke-Oven:



**Outcome of the visit:** It was an informative visit in which students learned a few applications advancement in technology of machines. This visit is very helpful to understand practical applications of technical skills.

**Conclusion:** We express our thanks to the Principal who permitted us to go on the visit and also the officials of the Plant who explained the various departments working process.

Head of the Department  
Basic Science & Humanities  
Anil Neerukonda Institute of  
Technology & Sciences  
Sangivalasa, Visakhapatnam-531 132

Co-Ordinators:  
Prof M.V.Subba Rao, HoD, Mathematics

Head of the Department of  
Anil Neerukonda Institute of  
Technology & Sciences  
Sar... 531 162

Prof.P.Venkateswarulu, HoD, Physics

Head of the Department  
Basic Science & Humanities  
Anil Neerukonda Institute of  
Technology & Sciences  
Sangivalasa, Visakhapatnam-531 132

HOD: Prof M.V.Subba Rao, HoD, Mathematics

Head of the Department  
Anil Neerukonda Institute of  
Technology & Sciences  
Sar... 531 162

Prof.P.Venkateswarulu, HoD, Physics