

NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS): NARASARAOPET

DEPARTMENT OF CIVIL ENGINEERING

II B. Tech I Sem (21 Batch) LE Students Industrial Visit - November, 2023

Branch: CIVIL

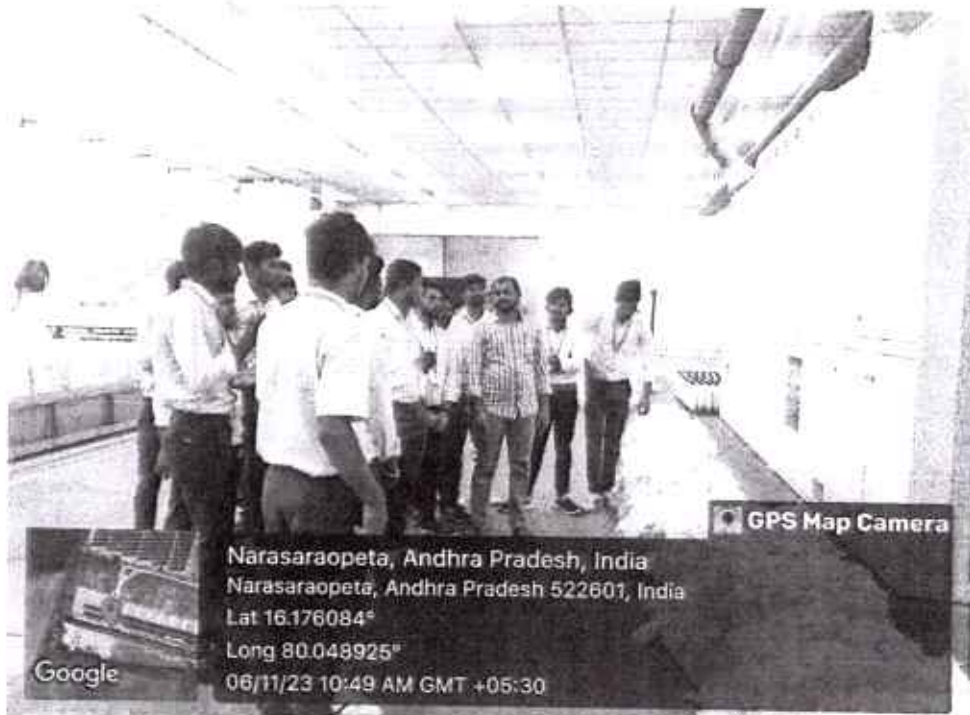
S.No	H.T.NO.	Name of the Student	Student Signature
1	23475A0101	KOVVURI VENKATESH .	K. Venkatesh
2	23475A0102	TAMMISSETTI YOHANU .	T. Yohanu.
3	23475A0103	SHAIK HUSSAIN VALI .	S. Hussain Vali
4	23475A0104	SHAIK BABJI .	S. Babji
5	23475A0105	MOYILAKALVA NAVADEEP .	M. Navadeep
6	23475A0106	PALLA LOKESH .	P. Lokesh
7	23475A0107	PAPPALA TIRUPATHI .	P. Tirupathi
8	23475A0108	KODAVATI ANIL BABU .	K. Anil Babu
9	23475A0109	KATTA GREESHMANJALI .	K. Greeshmanjali
10	23475A0110	TAMMISSETTY DURGA PRASAD .	T. Durgaprasad
11	23475A0111	KANDUKURI DANIELU .	K. Daniyalu
12	23475A0112	PONNAPATI NANDAVARDHAN REDDY .	P. Nandavardhan Reddy
13	23475A0113	JETTI PAVANI .	J. Pavani
14	23475A0114	JANA NAGA SAI VENKATA MOHAN .	JNSV Mohan
15	23475A0115	VANTALA TEJASWINI .	V. Tejaswini
16	23475A0116	MARADANA SAI GANESH .	M. Sai Ganesh
17	23475A0117	VINUKONDA RAJU .	V. Raju
18	23475A0118	CHELIKANI MAHESH .	C. Mahesh
19	23475A0119	VAJJA GOPALA KRISHNA MURTHY .	V.G. Krishnamurthy
20	23475A0120	ANDRA NAVEEN .	A. Naveen
21	23475A0121	BHUKYA VAGYA NAIK .	B. Vagya Naik
22	23475A0122	REDDYBOINA AJAY KUMAR .	R. Ajay Kumar
23	23475A0123	PEDDAKOTLA JOSEPH SHOWRI SAGAR KUMAR .	P. Sagar Kumar
24	23475A0124	SHAIK AKRAM .	Akram

INCHARGE  
  
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 NARASARAOPET - 522 601  
 Guntur (Dist.), A.P.

## INDUSTRIAL VISIT

The Department of Civil Engineering organised an industrial visit for 23 Batch II B.Tech CE (Laterals) Students to visit Mittapalli Spinners Ltd., Kotappakonda Road, ChinaTurakapalem, Narasaraopet, on November 06, 2023 as part of extracurricular activities. There were 24 students and one faculty members present when they visited the factory units.



  
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# NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O), NARASARAOPET-522 601, Palnadu Dist., A.P.  
(Sponsored by Gayatri Educational Development Society), Narasaraopet.



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e-mail : [principal@nrtec.in](mailto:principal@nrtec.in)

**Dr. M. SREENIVASA KUMAR**

M.Tech., Ph.D. (UK), MISTE, FIE (I)

PRINCIPAL

Narasaraopet

17.07.2023

To

The Superintendent Engineer,  
Dam Maintenance Circle,  
Srisailam Dam East,  
Nandyala District.

Dear Sir,

Sub: - Request to visit Srisailam Dam-- Reg

Narasaraopeta Engineering College (Autonomous), Narasaraopet established in the year 1998. The college offers 11 UG courses (CIVIL, EEE, ME, ECE, CSE, CSE(AI), AI&ML, IT, CSE(AIML), CSE(CS), CSE(DS), PG Courses M.Tech (DECS, DSCE, VLSIE, P&ID, CSE, TE, MD, SE), MBA and MCA courses.

As a part of Academic study program, students are required to visit industries/Projects in order to get the practical knowledge.

3<sup>rd</sup> year Civil Engineering students of our college would like to visit Srisailam Dam, consisting of 50 students and two faculty members would like to visit the plant on 22<sup>nd</sup> July 2023. May we request you to kindly permit us to make it convenient to visit the Reservoir & Galleries on the above mentioned requested date.

We request you to confirm and authorize the date of visit. We will abide by your rules and regulations.

Thanking you,

Yours faithfully,

PRINCIPAL

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Guntur (Dist.), A.P.

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**ANDHRA PRADESH POWER GENERATION CORPORATION LIMITED**

From:  
The Superintending Engineer  
O & M Circle, SRBHES  
APGENCO, Srisailem Project,  
518 102.

To:  
The Principal  
Narasaraopeta Engineering College  
College Road, Narasaraopeta,  
Palnadu Dist. Andhra Pradesh.

Lr. No. SE / O&M /SRBHES /ADM/AEE-T/JA/F.PH Visit(08) /D.No. 101 /23, Dt. 22-07-2023.

Sir

**Sub:-** APGENCO-SRBHES - O&M Circle - Visit to the Srisailem Right Bank Power House.  
Permission - Accorded- Reg.

**Ref:-** Your letter date,22.07.2023.

@@@

With reference to the letter cited above you are informed that III<sup>rd</sup> year B.Tech. CIVIL students numbering about 50 members along with faculty 2 Nos. of your college are permitted to visit the Srisailem Right Bank Power House on 22.07.2023.

1. Cameras, Cell phones and Electronic items etc., are not allowed inside the Power House.
2. The Students & Faculty should follow the APGENCO Engineers instructions in the Power House.
3. Your college is responsible for any loss/damage occurs with the students & members during the visit.
4. The Students & faculty are advised to take all precautionary measures to avoid any mishap during the visit.
5. The students & faculty should not use lift in Power House.
6. The students & faculty are advised to bring their photo identity cards while entering into the Power House.
7. The faculty should take care of students regarding the Electrical equipments installed inside the Power House and to maintain the discipline while in around the Power House.
8. Please note that APGENCO is no-way responsible for any mishap/ accidents to the students & Teachers during the visit.
9. The students should maintain personal hygiene, physical and social distance inside power house.
10. The students should not travel unnecessarily to other places during the visiting period.
11. The students must wear Face Mask compulsory in power house premises.

Yours faithfully

Superintending Engineer  
O & M Circle, SRBHES  
Srisailem Project

Copy to the Asst. Security Officer/Dy.Executive Engineer, O&M Stores, SRBHES, Srisailem Project is hereby instructed to permit the above students and faculty members, duly follow the departmental procedures in vogue.

Copy to the Dy.Executive Engineer/General, SRBHES, Srisailem Project for information and taking further necessary action.

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Government of Andhra Pradesh  
Water Resources Department

From  
Sri N Manohara Raj . M.E, M.I.E.,  
Executive Engineer,  
Dam Maintenance Division,  
N.S.R.S. Srisailam Project.

To  
The Principal,  
Narasaraopeta Engineering college,  
Narasaraopeta, Palnadu(D),  
Andhra Pradesh - 522601.

Letter No. EE/DMD/NSRSSP/AE(T)/Dam visit/  
Sir,

296<sup>m</sup>

Dt: 18.07.2023

Sub: NSRS Srisailam Project – Permission for Students of Narasaraopeta Engineering College, Narasaraopeta to visit Srisailam dam for industrial visit On 22.07.2023 – Permission- Accorded – Reg.

Ref: Requisition letter from Narasaraopeta Engineering college received through mail on 18/07/2023.



With reference to your request letter cited, permission is hereby accorded for students of 3<sup>rd</sup> Year Civil Engineering students and staff (Students-30, Staff- 02) members to visit the Srisailam Dam, on Dt : 22.07.2023 subjected to the following conditions.

Conditions:

1. The permission accorded subject to alteration / cancellation according to the exigency in the Dam, but can't be altered / postponed on your request.
2. Strict discipline shall be observed, subject to security / other checks.
3. The members permitted shall display their identity to the security authorities / Officials of the Dam.
4. If any damages / loss occur to the Government property by your students / staff, they have to be borne by your institution only.
5. The members permitted shall abide by the rules and regulations of the security and dam officials during visit of the dam. The students are not allowed to roam individually.
6. The total students allowed at one time may be limited to 40 Nos.
7. The department does not take any responsibility for the unexpected incidents that may happen due to any unusual or in unprecedented nature & loss / damage of your belongings.
8. Entry time into dam in the morning from 09.00 AM to 11.30 AM or in the Afternoon from 2.30 PM to 04.30 PM only.

The visiting batch has to contact the following field officers to get program of visit successful completion.

Co- Ordinators contacts:

- |                            |                       |
|----------------------------|-----------------------|
| 1. Sri K. Samuel Vijay AE. | Mobile No.8639357288. |
| 2. Sri B. Mallikarjuna AE. | Mobile No.9618581551. |

Sd/-

Executive Engineer,  
Dam Maintenance Division,  
NSRS Srisailam Project.

//T.C.F//

Superintendent

18-7-2023

18/07/2023



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**REPORT ON INDUSTRIAL VISIT****SRISAILAM DAM AND POWER PLANT - (Date: 22-07-2023)****NEELAM SANJEEVA REDDY SRISAILAM PROJECT****Srisailem Dam****Preamble**

The dam was constructed in a deep gorge in the Nallamala Hills in between Nandyal and Nagar kurnool districts, 300 m (980 ft) above sea level. It is 512 m (1,680 ft) long, 145 metres (476 ft) maximum height and has 12 radial crest gates. It has a reservoir of 616 square kilometres (238 sq mi). Project has an estimated live capacity to hold 178.74 Tmcft at its full reservoir level of 885 feet (270 m) MSL. It's gross storage capacity is 6.116 cubic kms (216 tmc ft). The minimum draw down level (MDDL) of the reservoir is at 705 feet (215 m) MSL from its river sluice gates and corresponding dead storage is 3.42 Tmcft. The left bank underground power station houses 6 x 150 megawatts (200,000 hp) reversible Francis-pump turbines for pumped-storage operation (each Turbine can pump 200 cumecs) and the right bank semi underground power station houses 7 x 110 megawatts (150,000 hp) Francis-turbine generators.

Tail pond dam/weir located 14 km downstream of Srisailem dam is under advanced stage of construction to hold the water released by the hydro turbines and later pump back into the Srisailem reservoir by operating the turbines in pump mode. The weir portion got breached in November 2015 unable to withstand the normal water release from the hydro power stations. Tail pond weir was completed during the year 2017 and pumping mode operation is being done even when the downstream Nagarjuna Sagar reservoir water level is below 531.5 feet (162 m) MSL. The tail pond has nearly 1 tmcft live storage capacity.



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## Salient Features

### LOCATION:

State : Andhra Pradesh  
District : Border between Nandyal district (AP) & Mahaboob Nagar  
(Telangana) districts  
Latitude : 16-5' N  
Longitude : 78-54' E

### HYDROLOGY


Catchment Area : 2.06,030 sq km (79,530 sq. miles)  
Mean Annual  
Rainfall Maximum. : 1016 mm (40 inches)  
Mean Annual  
Rainfall Minimum : 635 mm (25 inches)  
Design Flood : 53770 cumecs (19 lakh cusecs) moderated to  
38,365 cumecs (13, 55,680 cusecs)  
Deep Bed level of River : EL 152.4 M (EL 500 ft)  
Minimum Tail Water Level : EL 163.00 M (EL 535.00 ft)  
Highest Flood Level Observed  
at Dam site (prior to dam) : EL 187.25 m (EL 614.35 ft)

### DAM:

Type : Gravity Dam  
Top elevation : EL 275.54 M (EL.904.0 ft)  
Height above the  
deepest foundation level : 143.26 m (470 ft)  
Total Length at Top : 512 m (1680 ft)

### SPILL WAY:

Maximum discharging  
Capacity : 37,356 cumecs (13, 20,00Cuses)

  
  
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Discharging capacity of River Sluices at M.W.L	: 1009 cumecs (35,680 cusecs)
Total Discharging Capacity at M.W.L	: 38,365 cumecs (13, 55,680 cusecs)
Crest Level of Spill way	: EL. 252.98 M (EL.830.00 ft)
Gross Length of Spill way (between) Faces of	: 266.39 m (874 ft.)
Training walls	
Spill way gates Number	: 12 Nos.
Size	: 18.3 m x 16.7 m (60'x55')
River Sluices Number	: 2 Nos.
Size	: 3.65m x 9.14 m (12 ft x 30 ft)
RESERVOIR:	
Maximum water level	: 271.88 M (EL. 892 ft)
Full Reservoir Level	: EL. 269.75 M (EL.885 ft.)
Gross storage Capacity at F.R.L.	: (215.8070 TMC)
Water spread area at F.R.L.	: 541.90 sq. km.(209 sq. Miles)
MDDL (for IRR)	: 260.30 M (854.00 ft)
Storage capacity	: 89.29 TMC (2528.396 MCM)
MDDL (for Power)	: 254.20 M (834.00 ft)
Storage capacity	: 53.851 TMC (1524.871 MCM)
Crest level	: 252.98 M (830.00 ft)
Storage capacity	: 49.49. TMC (1401.387 MCM)
Dead Storage.	: 214.875 M (EL 705 ft)
Capacity at Dead storage	: 3.4160 TMC (96.729 MCM)

POWER HOUSES



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Right Side Capacity

: 7 X 110 MW

Left Side Capacity

: 6 X 150 MW

# SALIENT FEATURES OF NEELAM SANJEEVA REDDY SAGAR SRISAILAM PROJECT

## HYDROLOGY

RIVER: KRISHNA RIVER  
 LOCATION: 0.80 KM BELOW PATALAGANNA  
 LATITUDE: 16° 5' N  
 LONGITUDE: 78° 54' E  
 CATCHMENT AREA: 2,06,000 SQ KM (79,553 SQ MI)  
 MAX FLOOD OBSERVED: 72,197 CUM (25,50,000 CUM)  
 DESIGNED FLOOD: 53,700 CUM (1,92,00,000 CUM)

## RESERVOIR

FULL RESERVOIR LEVEL: +269.75 M (+885')  
 MAXIMUM RESERVOIR LEVEL: +271.88 M (+892')  
 GROSS STORAGE CAPACITY: 8722 M CUM (308.62 TMC)  
 WATER SPREAD AREA: 612.42 SQ KM (236.50 SQ MI)  
 TAIL WATER LEVEL (MAXIMUM): +195.85 M (+642')  
 (MINIMUM): +163.07 M (+535')

## DAM (GRAVITY DAM IN STONE MASONRY CONCRETE)

ROAD LEVEL: +275.54 M (+904')  
 LENGTH AT TOP: 514.50 M (1688')  
 CLEAR ROAD WAY AT TOP: 7.32 M (24')  
 MAXIMUM HEIGHT ABOVE DEEPEST FOUNDATION: 145.08 M (476')  
 TOTAL NO. OF BLOCKS: 22

## SPILLWAY

MAXIMUM DESIGNED DISCHARGE: 38369.50 CUM (1,35,10,000 CUM)  
 LENGTH OF SPILLWAY: 270.67 M (888')  
 CREST LEVEL: +253.00 M (+830')  
 CREST GATES: 32 NOS OF 18.30 M X 16.80 M (60 X 55')

## RIVER SLICES

1 NUMBER & SIZE: 2 NOS. 3.66 M X 9.14 M (12 X 30')  
 SILL LEVEL: +214.88 M (+705')

## TUNNELS

POWER TUNNEL DIAMETRE: 15.00 M (49.2')  
 LENGTH: 740 M (2430')  
 INVERT LEVEL AT ENTRANCE: +219 M (+718.30')

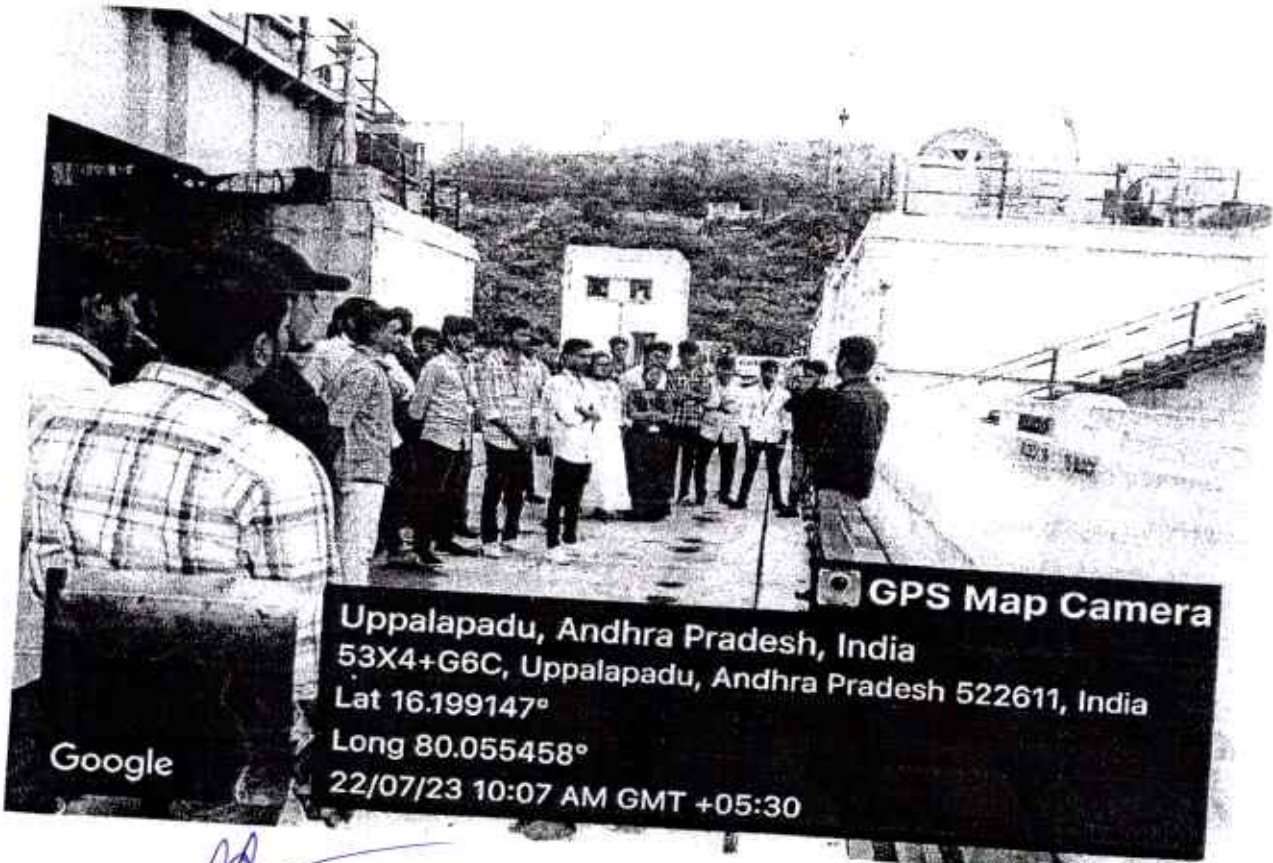
## PENSTOCKS

7 NOS. OF 6.10 M DIA (20')

## POWER HOUSE & TURBINES

1<sup>ST</sup> STAGE: 4 UNITS OF 110 MW CAPACITY  
 2<sup>ND</sup> STAGE: 3 UNITS OF 110 MW CAPACITY  
 TURBINES: FRANCIS TYPE 170,000 BHP  
 MAXIMUM HEAD: 104.85 M (344') (AUGUST 1971 I.C.L. RECORD)  
 RATED HEAD: 91.44 M (300')  
 MINIMUM HEAD: 71.32 M (234')

POWER FACTOR: 0.90 LAG  
 VOLTAGE: 11 KV  
 CAPACITY OF GENERATORS: 122,000 KW  
 FREQUENCY: 50 HZ  
 RIVER DIVERSION:  
 DIVERSION TUNNEL DIAMETRE: 9.14 M (30')  
 DIVERSION TUNNEL LENGTH: 686 M (2250')  
 INVERT LEVEL AT ENTRANCE: +161.54 M (+530')  
 INVERT LEVEL AT EXIT: +158.5 M (+520')  
 DISCHARGING CAPACITY: 566 CUM (20,000 CUM)  
 DIVERSION CHANNEL:  
 BED WIDTH: 15 M (49.20')  
 BED LEVEL: +167.64 M (+550')  
 LENGTH: +594 M (+1950')  
 DISCHARGING CAPACITY: 283 CUM (10,000 CUM)  
 RESERVOIR SUBMERSION:  
 NUMBER OF VILLAGES AFFECTED: 117  
 NUMBER OF VILLAGES SUBMERGED: 86  
 AREA OF LAND SUBMERGED: 44,154 M<sup>2</sup> (1.09 SQ KM)  
 NUMBER OF HOUSES SUBMERGED: 21,037  
 NUMBER OF FAMILIES REHABILITATED: 26,784



GPS Map Camera  
 Uppalapadu, Andhra Pradesh, India  
 53X4+G6C, Uppalapadu, Andhra Pradesh 522611, India  
 Lat 16.199147°  
 Long 80.055458°  
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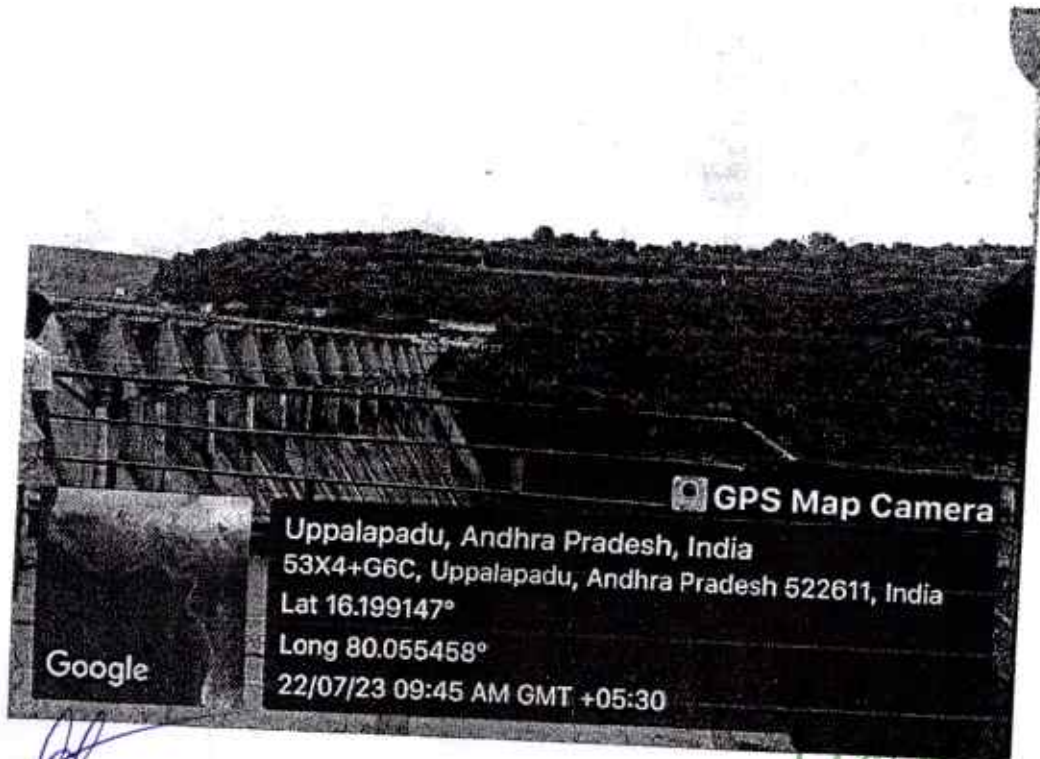


## History

The Srisaileam project began in 1960, Initially only as a power project. After several delays, the main dam was finally completed twenty years later in 1980 July 26. [Citation needed] In the meantime the project was converted into a multipurpose facility with a generating capacity of 770 megawatts (1,030,000 hp) by its second stage which was completed in 1987. The dam is to provide water for an estimated 2,000 square kilometres (770 sq mi). Under the right bank branch canal 790 square kilometres (310 sq mi) in Kurnool and Kadapa districts will have assured irrigation. From the initial modest estimate of 38.47 crore for a power project the total cost of the multipurpose project was estimated to cross 1000 crore in its enlarged form. The dam has alone cost 404 crore together with the installation of four generating sets of 110 MW each. The right bank branch canal is estimated to cost 449 crore and the initial investment of ₹140 crore has been provided the World Bank. The projected cost-benefit ratio of the project has been worked out at 1:1.91 at 10% interest on capital outlay. In 1998 a coffer dam was over topped by flooding. The power house required repairs and did not generate power for a year. On 2 October 2009, Srisaileam dam experienced a record inflow which threatened the dam.

## Irrigation

Srisaileam right main canal (SRMC) is constructed with 44,000 cusecs capacity at Srisaileam reservoir level of 269.22 metres (883 ft) MSL to feed Veligodu reservoir (16.95 tmcft), Brahmam Sagar Reservoir (17.74 tmcft), Alaganoor reservoir (2.97 tmcft), Gorakallu reservoir (12.44 tmcft), Owk reservoir (4.15 tmcft), Gandikota Reservoir (26.861 tmcft), Mylavaram



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reservoir (9.98 tmcft), Somasila reservoir (78 tmcft) and Kandeleru reservoir (68 tmcft) with nearly 235 Tmcft total storage capacity. This canal also supplies water to Telugu Ganga project which supplies Krishna river water to Chennai city for its drinking purpose. This main canal by feeding water to K.C. Canal, Srisailam right bank canal, Telugu Ganga canal & Galeru Nagari canal irrigates vast area in Kurnool, Kadapa, Chittoor and Nellore districts.

Handri-Neeva lift canal by drawing water from the Srisailam reservoir, supplies drinking water in all the districts of Rayalaseema. Veligonda reservoir receives water by gravity through tunnels to irrigate lands in Nellore, Kadapa and Prakasam districts. Kalwakurthy lift irrigation scheme by drawing water from the Srisailam reservoir, supplies irrigation water in Mahbubnagar and Nalgonda districts.

Srisailam left bank canal will receive water by gravity through tunnels to irrigate lands in Nalgonda district. Tunnel work is not complete and the required water has been provided to most of the project area by lifting water from the downstream Nagarjuna Sagar reservoir.

### Power generation optimization

At present, the initial inflows in Srisailam reservoir are stored excessively without being used for power generation. The flood water fills the remaining empty Srisailam reservoir quickly and most of the flood water overflows into the downstream Nagarjuna Sagar reservoir without being used for power generation. The endeavor shall be to fill the Nagarjuna Sagar reservoir fully with the uniform water released through the power generating units.



  
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The existing right bank power station (770 MW) can be converted into pumped storage hydroelectric power (PSHP) to operate in pumping mode when the downstream Nagarjuna Sagar reservoir level is above 560 feet (171m) MSL. The PSHP can be used for energy storage purposes on a daily basis and to transfer Godavari water to the Srisailem reservoir during drought years. Alternately, the tunnel of the existing power station can be used for a new PSHP station to pump water from the Nagarjuna Sagar reservoir to the Srisailem reservoir.



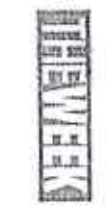
  
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(AUTONOMOUS)



**Industrial Visit to**

**765/400 KV SUBSTATION**  
POWERGRID CORPORATION OF INDIA Ltd.

**ANNVARARAM, ROMPIGHERLA (M)**  
**(III Year Students)**

**23<sup>rd</sup> February, 2024**

*In Association With*



**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

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NARASARAOPETA - 522 501  
Guntur (Dist.), A.P.





Thanking you,

*[Handwritten signature]*

Yours faithfully

regulations.

Hence we request you to permit the above visit and confirm the date of visit. We request you to kindly grant permission. We will abide your rules and

S.NO.	CLASS	NO.OF STUDENTS	DATE OF VISIT	ACCOMPANY
I	II B.TECH II SEM	67	23-02-2024	Mrs.P.Raghavarami Mr.P.Naganjaneyulu

schedule given below.

would like to visit your esteemed industry 765/400 KV Substation as per the 2<sup>nd</sup> year B.Tech Electrical and Electronics Engineering students of our college

the practical knowledge and industrial exposure

As a part of Academics, students are required to visit industries in order to get

P&ID, CSE, TE, MD, SE, MBA and MCA courses.

CSE(AI), IT, CSE(AIML), CSE(CS), CSE(DS), AIML PG Courses M.Tech (DECS,

in the year 1998. The college offers 11 UG courses (CIVIL, EEE, ME, ECE, CSE,

Narasaraopeta Engineering College (Autonomous), Narasaraopet established

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Sub: Request to visit your 765/400 KV Substation.

Dear Sir,

The General Manager,  
765/400 KV Substation,  
Power Grid Corporation of India Ltd.,  
Annaram(V),  
Rompicherla(Mandal)  
Narasaraopet.

TRANSMISSIONS SECTION,  
765/400KV Chikakalupeta S/S  
Annaram (V&PO), Rompicherla (M),  
Guntur Dt - 522 617.

*[Handwritten signature]*

Dated: 21.02.2024

DR. M. SREENIVASA KUMAR  
M.Tech., Ph.D. (UK), MISTE, FIE (I)  
PRINCIPAL

e-mail : principal@nr

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Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakurda, (Code : 47, NIT Ranking 251 - 301)

(Sponsored by Gayatri Educational Development Society), Narasaraopet.

Kotappakonda Road, Yellamrda (PO), NARASARAOPET 522 601, Palnadu Dist., A.P.

NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS)





WV

S.No.	H.T.NO.	Name of the Student	Signature of the Student
1	22471A0201	BAQILI MAHABOOB BASHA	B. Mahabob
2	22471A0202	BIKSEMI VENKATA MALLIKARJUNA RAO	B.V. Mallikarjuna Rao
3	22471A0203	BONDILI MADHAV BIHM SINGH	B.H. Bhim Singh
4	22471A0204	CHIMATA VENKATA MALLIKARJUN	Ch.V. Malhar
5	22471A0205	GUNTI ANIL KUMAR	Gr. Anil Kumar
6	22471A0207	GURRAM PAVAN KUMAR	Gr. Pavan Kumar
7	22471A0208	ILLA JOHN VICTOR	I. John Victor
8	22471A0209	JARUGUMALLI INDU	J. Indu
9	22471A0210	KILARI KARTHIK	K. Karthik
10	22471A0211	KONDRAMUTLA FARUK	K. Faruk
11	22471A0212	KUNCHAPU SRI MANIKANTA	K. Mani Kant
12	22471A0213	MADDIGUNTA SRINIVAS	M. Srinivas
13	22471A0214	MEKALA VENKATESWARLU	M. Venkateswarlu
14	22471A0215	MURABOINA NANI	M. Nani
15	22471A0216	MURARI SRINU	M. Srinu
16	22471A0217	PAVAIILA GHANDBRA SEKHAR	P. Sekhara
17	22471A0218	PATHURI RAKESH	P. Rakesh
18	22471A0219	PAVANI SANDHI	P. Sandhi
19	22471A0220	PONDHURI NAGA CHAITHANYA SAI	P. Chaitanya Sai
20	22471A0221	POTHIREDDY NAGA SUTHA	P. Naga Sutha
21	22471A0222	PULA CHANDRA SEKHAR	P. Chandrasekhara
22	22471A0223	SAMEENA PATHAN	P. Sameena
23	22471A0224	SHAIK ASHRAF JAHA	SK. Ashraf Jaha
24	22471A0225	SHAIK ASMIN	SK. Asmin
25	22471A0226	SHAIK FATHIMUN DEE	SK. Fathima
26	22471A0227	SHAIK KALAM SABIR	SK. Kalam Sabir
27	22471A0228	SHAIK MABU SUBHANI	SK. Subhani
28	22471A0229	SHAIK MOHAMMAD RAFI	SK. Md. Rafi
29	22471A0230	SHAIK MUJAVAR MOHAMMAD KHASIM	SK. Khassim
30	22471A0231	SHAIK NANNU MOHAMMAD ALI	SK. Mohammad Ali
31	22471A0232	SHAIK PONDUGULA DAERIVAYALI	P. Damirayali
32	22471A0233	SHAIK RAJA NAGUL JILANI	SK. Raja Jilani
33	22471A0234	SHAIK RESHMA	SK. Reshma
34	22471A0235	SHAIKMOZHAD SUBHANI	SK. Subhani
35	22471A0236	SYED SAFINA	SK. Safina

Class: II B.TECH II SEM

Date: 21-02-2024

List of Students & Faculty Visiting 765/400 KV Substation, Power grid corporation of India Ltd., Annavaram, Kompicherla(Manda),

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

(AUTONOMOUS)

NARASARAOPETA ENGINEERING COLLEGE: NARASARAOPET



NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPETA - 522 601  
Guntur (Dist), A.P.

IOAC

PRINCIPAL  
*[Signature]*

*[Signature]*

Mrs. P. RAGHAVARANI & Mr. P. NAGANJANEYALU

FACULTY ACCOMPANIED:

CO ORDINATOR :  
Dr. SK. MD. SHAREEF  
ASSOC. PROFESSOR

HEAD OF THE DEPARTMENT :  
Dr. P. LAKSHMANAN, M.E., Ph.D.  
PROFESSOR & HOD



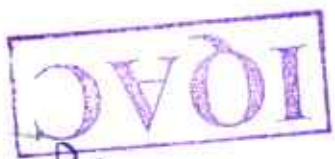
NARASARAOPETA ENGINEERING COLLEGE: (AUTONOMOUS)  
DEPARTMENT OF ELECTRICAL AND ELECTRONICS  
ENGINEERING  
REPORT ON  
INDUSTRIAL VISIT ON 23<sup>rd</sup> FEBRUARY - 2024  
765/400KV SUBSTATION  
POWER GRID CORPORATION OF INDIA LTD., ANAVARAM,  
ROMPICHERLA (MANDAL), NARASARAOPETA

\* Introduction :-

ON 23/02/2024 2nd year EEE students from Narasaraopeta Engineering college visited the 765/400V substation power grid located at Amravaram, Pampachalati. The purpose of the visit was to gain practical insights into the function and operation of a high voltage substation.

The power grid Corporation of India limited is an Indian central public sector under taking the ownership of the ministry of power. Government of India. It is engaged mainly in transmission of bulk power across different states of India. It is headquartered in Gurugram (Gurgaon) of India.

We are 2nd year EEE students visited on 23/02/2024, we went to the substation morning at 11 AM. Before we are starting our visit some important instructions given by HOD sir, and also our co-ordinators Mr. Moganjaneyulu and Mrs. Raghavaram. Mrs. Madam. are instructed about the power grid.



[Signature]

NARASARAOPETA ENGINEERING COLLEGE  
NARASARAOPETA  
522 601  
NARASARAOPETA  
522 601

[Signature]



### ① ICTC: (Inter Connected Transformer Connection)

- Inter connect two systems at different voltages.
- this type of transformer only used in power grids
- To change the voltage of electricity flowing in the CT
- in this power grid used tap changing transformer.

### ② Reactor:

- The function is to keep the amount of electrical current flowing the circuit to a safe and manageable level
- made up of a wire coil. its purpose is to generate a magnetic field that oppose the flow of electrical current through a circuit.
- it is used to stabilize the incoming power before entering the substation

### ③ busbars:-

- busbar is an electrical junction used for collecting electrical power from incoming feeder and distribution than to the outgoing feeder.

### ④ Isolators: → isolate the fault section of substation.

- it is used to separate faulty section for repair from a healthy section in order to avoid the occurrence of severe faults.

### ⑤ Lightning Arrestors:- → the function of lightning Arrestors

- help prevent lightning damage to the apparatus. because of high voltage. it provides a low impedance road all the way to the ground for the lightning's current

### VOI

- It is a critical safety device protecting equipment and workers
- at then Arrestors to a normal operation condition

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**NEC**

**NARASARAOPETA ENGINEERING COLLEGE**  
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**NAAC**  
NATIONAL ACADEMIC ACCREDITATION (CYCLE - 2)

**nirf**  
NATIONAL INSTITUTE RANKING FRAMEWORK

**AAA+**  
ANNUAL RANKING BY CAREERS360

**TOP 24**  
Prime Engineering College  
The Emerging Super 2022

**INDIA TODAY**

**THE WEEK**

**25**  
YEARS



**विद्युत  
POWERGRID**

# 765/400 KV SUBSTATION

POWERGRID CORPORATION OF INDIA Ltd.

**ANNVARAM, ROMPICHEPHERLA (M)  
(III Year Students)  
17<sup>th</sup> & 18<sup>th</sup> August, 2023**

*In Association With*



**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

6X2-140 (one)

16/8/23

**IQAC**

PRINCIPAL

NARASARAOPETA ENGG. COLLEGE  
(AUTONOMOUS)

NARASARAOPETA - 522 601  
Guntur (Dist.), A.P.

5/18/23





# NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS)

Kotappakonda Road, Yellamanda (PO), NARASARAOPET-522 601, Palnadu Dist., A.P.  
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Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada. Code : 47, NIRF Ranking 251 - 300 Band  
Accredited by NBA (CSE, ECE) & NAAC "A+" Grade, ISO 9001 : 2015 Certified Institution.  
① 08647-239903 Visit us at : [www.nrtec.in](http://www.nrtec.in) e-mail : [principal@nrtec.in](mailto:principal@nrtec.in)



**DR. M. SREENIVASA KUMAR**  
M.Tech., Ph.D. (UK), MISTE, FIE (I)  
PRINCIPAL

Dated: 16.08.2023

To  
The General Manager,  
765/400 KV Substation,  
Power Grid Corporation of India Ltd.,  
Annaram(V),  
Rompicherla(Mandal)  
Narasaraopet.

Dear Sir,  
Sub: Request to visit your 765/400 KV Substation.

\*\*\*

Narasaraopeta Engineering College (Autonomous), Narasaraopet established in the year 1998. The college offers 11 UG courses (CIVIL, EEE, ME, ECE, CSE, CSE(AI), AI&ML, IT, CSE(AIML), CSE(CS), CSE(DS)), PG Courses M.Tech (DECS, DSCF, VLSIE, P&ID, CSE, TE, MD, SE), MBA and MCA courses. As a part of Academics, students are required to visit industries in order to get the practical knowledge and industrial exposure. 3<sup>rd</sup> year B.Tech Electrical and Electronics Engineering students of our college would like to visit your esteemed industry 765/400 KV Substation as per the schedule given below.

S.NO.	CLASS	NO.OF STUDENTS	DATE OF VISIT	ACCOMPANY FACULTY
1	III B.TECH I SEM SECTION-A	46	17-08-2023	Mr.P.D.V.S.K.Kishore
2	III B.TECH I SEM SECTION-B	55	18-08-2023	Mr.G.Nagaraju

Hence we request you to permit the above visit and confirm the date of visit. We request you to kindly grant permission. We will abide your rules and regulations.

Thanking you,

Yours faithfully  
Principal  
NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPETA  
Guntur (Dist.), A.P.  
2601





Date: 17-08-23

Class: III B.TECH I SEMESTER A SECTION

S.No.	H.T.NO.	Name of the Student	Signature of the Student
1	21471A0201	AINABATHINI SATISH	
2	21471A0202	YANNAM MAHIMA DEVA PRASAD	Y. Prasad.
3	21471A0203	YERRAMSETTI SAI	
4	21471A0204	BISAPOGU HERBHU	
5	21471A0205	BYKA NAGA GOPAL ABHISHEK	
6	21471A0207	DANDE RAVI TEJA	D. Ravi Teja
7	21471A0208	GOTTIPATI SRIKANTH	G. Srikanth
8	21471A0209	KAMBALA KOTESWARA RAO	
9	21471A0210	KOCHARLA VINAY	K. Vinay
10	21471A0211	KOTTE GAYATHRI	K. Gayathri
11	21471A0212	MUSANI DHANUNJAYADU	M. Dhunjayad
12	21471A0214	SHAIK YASIN	
13	21471A0215	RAMESSETTY SNEHA	
14	21471A0216	SHAIK SAJID	ShaiK. Sajid
15	21471A0217	SHAIK MANSOOR	Sh. Mansoor
16	21471A0218	SHAIK SAIFULLA	Sh. Saifulla
17	21471A0219	SHAIK RYAZ	Sh. Riaz
18	21471A0220	SHAIK KHAJA SHAREEF	Sh. Mansoor
19	21471A0221	SHAIK INKOLLU MANSOOR	Sh. Mansoor
20	21471A0222	SHAIK SHAHID	Sh. Shahid
21	21471A0223	SYED SAZITH BABU	S.D. Sazith
22	21471A0224	PALLAPU GOPICHAND	P. Gopichand
23	21471A0225	TALLA KUSUMA REDDY	T. Kusuma Reddy
24	21471A0226	TA SAI SIVA NAGA ASHOK	T. Sai Siva
25	21471A0228	VARAKLA SRUTHI	V. Sruthi
26	21471A0229	VIKASH KUMAR	Vikash Kumar
27	21471A0230	VUTLA TRIVENI	V. Triveni
28	21471A0231	YANNAM AKSHITHA	Y. Akshitha
29	21471A0232	YARRAMANNENI SIRESHA	Y. Siresha
30	21471A0233	KONDEPOGU BABU	K. Babu
31	22475A0256	U.ESWAR REDDY	U. Eswar Reddy
32	22475A0257	A.RAGHURAM	A. Raghuram
33	22475A0258	L.CHERIAN	L. Chohan



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S.No.	H.T.NO.	Name of the Student	Signature of the Student
1	22475A0201	G. VISHNU	G. Vishnu
2	22475A0202	S. YERNAIDU	S. Yerna
3	22475A0203	D. VENKATESH	D. Venkatesh
4	22475A0204	S. SIVAKUMAR	S. Sivakumar
5	22475A0205	S. UMESH	S. Umesh
6	22475A0206	G. PAVAN KUMAR	G. Pavan
7	22475A0207	A. SUSWANTH	A. Suswanth
8	22475A0208	M. ANIL	M. Anil
9	22475A0209	K. DHEEP KUMAR	K. Dheep Kumar
10	22475A0210	T. ARUN KUMAR	T. Arun Kumar
11	22475A0211	B. V. DEVESH	B. V. Divesh
12	22475A0212	R. MANOJ KUMAR	R. Manoj Kumar
13	22475A0213	P. RAKESH BABU	P. Rakesh Babu
14	22475A0214	G. MD ISMAEL	G. Md Ismael
15	22475A0215	S. INDU PRIYA	S. Indu Priya
16	22475A0216	K. BABU	K. Babu
17	22475A0217	K. VARA PRASAD	K. S. S. V. Prasad
18	22475A0218	D. PRABHAKARA RAO	
19	22475A0219	B. SEELAM	B. Seelam
20	22475A0220	M. VENKATA SAI	M. Venkatesai
21	22475A0221	G. NARASIMHA REDDY	G. Narasimha Reddy
22	22475A0222	D. NAGANYALI	D. Naganyali
23	22475A0223	D. VIJAYALAKSHMI	D. Vijayalakshmi
24	22475A0224	B. BALASAI REDDY	B. Balasairreddy
25	22475A0225	A. S. LAKSHMI	A. S. Laxshmi
26	22475A0226	K. SAI TEELA	K. Sai Teela
27	22475A0227	G. S. SAI NIKHIL	G. S. Sai Nikhil
28	22475A0228	G. MASTAN	G. Mastan
29	22475A0229	M. REDDY	M. Reddy
30	22475A0230	U. MUTHAIAH	U. Muthiah
31	22475A0231	S. B. ANJANA	S. Anjama
32	22475A0232	B. NAGA HARSHINI	B. Naga Harshini
33	22475A0233	K. VIJAYA DURGA	K. Vijaya Durga

NARASARAOPETA ENGINEERING COLLEGE: NARASARAOPETA  
(AUTONOMOUS)  
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
List of Students & Faculty Visiting 765/400KV Substation, Power grid corporation of India Ltd., Anayaram,  
Kompicherla(Mandal), Narasaraopeta, on 18-08-2023  
Class: III B.TECH I SEMESTER B SECTION  
Date: 18-08-2023



NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPETA - 522 601  
Guntur (Dist), A.P.  
NARASARAOPETA  
Guntur (Dist), A.P.  
NARASARAOPETA  
Guntur (Dist), A.P.

PRINCIPAL  
*[Signature]*

IOAC

*[Signature]*

FACULTY ACCOMPANIED:  
Mr.P.D.V.S.K.KISORE

CO ORDINATOR:  
Dr. SK.MD SHARIEF  
ASSOC.PROFESSOR

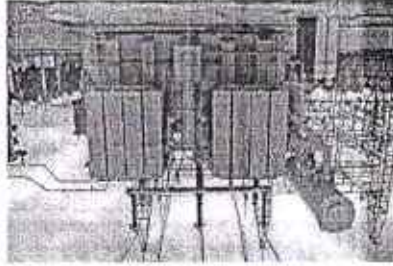
HEAD OF THE DEPARTMENT:  
Dr. P. LAKSHMANAN, M.E., Ph. D.  
PROFESSOR & HOD



REPORT ON  
INDUSTRIAL VISIT ON 17<sup>TH</sup> AUGUST 2023  
765/400 KV SUBSTATION  
POWER GRID CORPORATION OF INDIA LTD.  
ANNVARAM, ROMPICHERLA(M)

NARASARAOPETA ENGINEERING COLLEGE::NARASARAOPETA  
(AUTONOMOUS)  
DEPARTMENT OF ELECTRICAL AND ELECTRONICSENGINEERING

NARASARAOPETA ENGINEERING COLLEGE  
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NARASARAOPET - 522 001,  
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**POWER TRANSFORMER**

**3. OBSERVATION:**

It is located at Annaram, Kompicherla, Andhra Pradesh, India. We are visited power grid substation on 17-08-2023 along with the faculty and in the power grid we are guided by Mr.N.SAMBHASIVA RAO. Under his guidance, we are observe the following points. Power transformers, busbars, circuit breakers, L.A, Auxiliary supply, earth pits, reactors, fire protectors etc.....

**2. GENERAL INFORMATION ABOUT POWER GRID (756/400 KV):**

Our main purpose to visit is to know about the industrial environment and to get the practical knowledge of power grid. Students will get an idea of power grid i.e. like power transformer, busbars, lighting arresters some electrical equipments like operating softwares, circuit breakers, P.T, C.T and some auxiliary equipments .

**1. PURPOSE TO VISIT:**

1. Purpose to visit
2. General Information About power grid (765/400 KV)
3. Observations
4. Conclusion

**CONTENTS:**



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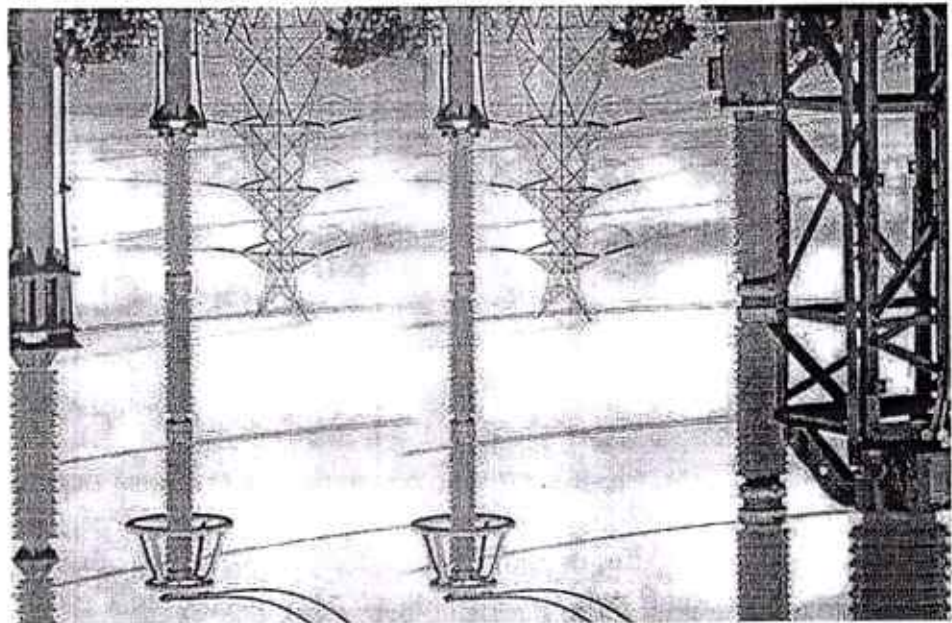
In an electrical power transmission grid system, switchyard reactors are installed at substations to help stabilize the power system. For transmission lines the space between the overhead line and ground to form a capacitor parallel to the transmission line which causes an increase in voltage as the distance increasing.

**REACTORS**

The purpose of auxiliary power supply system is to cater for the necessary energy for the operation of primary and secondary at the substation. The auxiliary power systems are normally divided in two types namely called as AC system and the DC system.

**AUXILIARY SUPPLY**

A lighting arrester is a device used to a electric power transmission and telecommunication system to protect the insulation and conductors of the system from the damaging effects of lightning.



**LIGHTING ARRESTERS**

It is an automatically operated electrical switch design to protect an electrical circuit from damage caused by overload of electricity. Electricity or short circuit. A circuit breaker function to detect a fault condition and by interrupting continuity, to immediately discontinue electrical flow.

**CIRCUIT BREAKERS**

After visiting this power grid substation we came to know about the practical grid process of electrical energy and understood the function of various components in grid substation their importance, arrangement and also the precautions taken for safety. This experience gave me a good exposure to the industry-tied branches of engineering. This visit was an exciting experience to us.

SUBMITTED BY:  
III- B.Tech - EEE



PRINCIPAL  
NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPET - 522 601,  
Guntur (Dist.), A.P.







**NARASARAO PETA**  
ENGINEERING COLLEGE  
(AUTONOMOUS)

**Industrial Visit to**

**RIGHT BANK POWER HOUSE, SRISAILAM**

**(IV Year Students)**

**15th July, 2023**

*In Association With*



**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**



6/29/23 (over)



13/7/23

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NARASARAO PETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAO PET - 522 601,  
Guntur (Dist.), A.P.





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S.No.	H.T.No.	Name of the Student	Signature of the Student
1	20471A0201	AREVARAPU PAVAN SAI	A. Pavan Sai
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4	20471A0205	BOGGARAM HARISH	B. Harish
5	20471A0206	BUDATI NARASIMHARAO	B. Narasimharao
6	20471A0207	CHIMATA NAGA PHANINDRA	—
7	20471A0208	CHINTAGUNTLA VIJAY KUMAR	C. Vijay Kumar
8	20471A0209	CHUKKA PREM KUMAR	Ch. Prem Kumar
9	20471A0210	DARLA NEELA VARDHAN RAJU	D. Neela Vardhan Raju
10	20471A0212	GULLAPALLI MAHENDRA	G. Mahendra
11	20471A0214	GUNDA SRAVANI	G. Sravan
12	20471A0215	IMMADI ASHOK	I. Ashok
13	20471A0216	KALLAM POOJITHA	K. Poojitha
14	20471A0217	KATARU MANIKANTA	K. Manikanta
15	20471A0218	KORAPATI HEMANTH	—
16	20471A0219	KOTHURI GANESH	K. Ganesh
17	20471A0220	LEKKALA ADNARAYANA	L. Adnarayana
18	20471A0221	M VENKATESWARA RAO	M.V. RAO
19	20471A0222	MANUKONDA HARIKA REDDY	M. Harika
20	20471A0223	M JASWANTH KUMAR	M. Jaswath
21	20471A0224	MARISARLA ESWARARAO	M. Eswara Rao
22	20471A0225	MARKRE GOPI KRISHNA	M. Gopi Krishna
23	20471A0226	MEKA SUPRIYA	M. Supriya
24	20471A0228	NELAKURTHI NAGARJUNA	N. Nagarjuna
25	20471A0231	PASUPULETI PAVAN KUMAR	P. Pavan Kumar
26	20471A0233	D NAGARJUNA REDDY	D. Nagarjuna Reddy
27	20471A0234	PERLA LINGESWARA RAO	P. Lingeswaro
28	20471A0235	PONDURI HARI KRISHNA	P. Hari Krishna
29	20471A0237	RAMISETTI GOWTAM	R. Gowtam

Class: IV B.TECH Section: A Date: 14-07-2023

List of Students & Faculty Visiting Srisaitham Right bank Power House, Srisaitham on 15-07-2023



PRINCIPAL

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IOAC

*(Handwritten mark)*

S.No.	H.T.No.	Name of the Student	Signature of the Student
1	21475A0202	DASARI BHUSHANAM	<i>(Handwritten signature)</i>
2	21475A0203	JONNALAGADDA PREMARAJU	<i>(Handwritten signature)</i>
3	21475A0204	SANAKA BHAAVANI	-
4	21475A0205	VEDULLAPALLI BHUVANESWARI	<i>(Handwritten signature)</i>
5	21475A0206	BARNELA SATYANARAYANA	<i>(Handwritten signature)</i>
6	21475A0207	PERUPOGU JOSHUVA RATNA KUMAR	<i>(Handwritten signature)</i>
7	21475A0208	KETHARAJUPALLI JITHENDRA	<i>(Handwritten signature)</i>
8	21475A0209	PALLEBOYINA ROSAIAH	<i>(Handwritten signature)</i>
9	21475A0210	THATTUJARLA VINAY	<i>(Handwritten signature)</i>
10	21475A0211	SHAIK ABDUL RABBANI	-
11	21475A0213	PITTU NARENDRA REDDY	-
12	21475A0214	JALLEDA BALA ANKA RAO	<i>(Handwritten signature)</i>
13	21475A0215	PRAGADA AJAY KUMAR	<i>(Handwritten signature)</i>
14	21475A0216	SHAIK ESUF	-
15	21475A0217	GAJAVALLI JESWANTH	<i>(Handwritten signature)</i>
16	21475A0218	TADIPARTHI LAKSHMI RAHUL	<i>(Handwritten signature)</i>
17	21475A0219	CHILLUMURI JOSEPH	<i>(Handwritten signature)</i>
18	21475A0220	BALATRIPURA SUNDARI DAKA	<i>(Handwritten signature)</i>
19	21475A0221	KESAVA KRISHNA MEDURI	<i>(Handwritten signature)</i>
20	21475A0222	THANNERU RAVINDRA	<i>(Handwritten signature)</i>
21	21475A0223	KOLISETTI LAKSHMI PADMAVATHI	<i>(Handwritten signature)</i>
22	21475A0224	NIKKU TEJESWARARAO	<i>(Handwritten signature)</i>
23	21475A0225	TEJA BABU PANGA	<i>(Handwritten signature)</i>
24	21475A0226	DURGA SANKAR KAJA	<i>(Handwritten signature)</i>
25	21475A0227	GUMMALA PRUDHVI RAJ	<i>(Handwritten signature)</i>
26	21475A0228	KAITHEPALLI CHANDRA SEK HAR	<i>(Handwritten signature)</i>
27	21475A0230	VEMALA PRANAY NAGA SAI	<i>(Handwritten signature)</i>
28	21475A0231	VENKATA VENU BOBDETTI	<i>(Handwritten signature)</i>

Date: 14-07-2023

Section: B

Class: IV B.TECH

List of Students & Faculty Visiting Srisaitham Right bank Power House, Srisaitham on 15-07-2023

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

(AUTONOMOUS)

NARASARAOPETA ENGINEERING COLLEGE; NARASARAOPETA



# NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)  
Kotappakonda Road, Yellamanda (P.O), NARASARAOPET-522 601, Palnadu Dist., A.P.  
(Sponsored by Gayatri Educational Development Society), Narasaraopeta.  
Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada. Code : 47, NIRF Ranking 251 - 300 Banc  
Accredited by NBA (CSE, ECE) & NAAC "A+" Grade, ISO 9001 : 2015 Certified Institution.



**DR. M. SREENIVASA KUMAR**  
M.Tech., Ph.D. (UK), MISTE, FIE (I)

PRINCIPAL

Dated: 08.07.2023

To  
The Superintendent Engineer,  
O&M Circle,  
Srisaillam Right Bank Power House,  
Srisaillam Project,  
Srisaillam  
Email : se.srshes@gmail.com

Dear Sir,

Sub: Request to visit your Srisaillam hydroelectric power plant.

\*\*\*

Narasaraopeta Engineering College (Autonomous), Narasaraopet established in the year 1998. The college offers 11 UG courses (CIVIL, EEE, ME, ECE, CSE, CSE(AI), AI&ML, IT, CSE(AIML), CSE(CS), CSE(DS), PG Courses M.Tech (DECS, DSCE, VLSIE, P&ID, CSE, TE, MD, SE), MBA and MCA courses.

As a part of Academics, students are required to visit industries in order to get the practical knowledge and industrial exposure.

4<sup>th</sup> year B.Tech Electrical and Electronics Engineering students of our college would like to visit your esteemed industry on 15<sup>th</sup> July.23. One batch consists of 107 students and four faculty members visit your Srisaillam hydroelectric power plant on 15<sup>th</sup> July.23. Hence we request you to permit the above visit and confirm the date of visit.

We request you to kindly grant permission. We will abide your rules and regulations.

Thanking you,



Yours faithfully

PRINCIPAL  
NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPET - 522 601  
Guntur (Dist), A.P.

e-mail : principal@nrtec.in

Visit us at : www.nrtec.in

08647-239904





From: The Superintending Engineer  
O & M Circle, SRBHES  
APGENCO, Srisaillam Project,  
518 102.

To: The Principal,  
Narasaraopeta Engineering  
College, Narasaraopet - 522601,  
Palnadu Dist, Andhra Pradesh.

IT. No. SE / O&M /SRBHES /ADM/AEE-1/JA/FH Visit(08) /D.No. 88 /23, Dt. 12-07-2023.

Sr,

**Sub:-** APGENCO-SRBHES - O&M Circle -Visit to the Srisaillam Right Bank Power House  
Permission - Accorded-Reg.  
**Ref:-** Your letter date:12.07.2023.

With reference to the letter cited above you are informed that IV<sup>th</sup> year B.Tech EEE students numbering about 107 members along with faculty 4 Nos. of your college are permitted to visit the Srisaillam Right Bank Power House on 15.07.2023 (in 2 batches of 55 members each are allowed one in Morning session & one in Afternoon session).

1. Cameras, Cell phones and Electronic items etc., are not allowed inside the Power House.
2. The Students & Faculty should follow the APGENCO Engineers instructions in the Power House.
3. Your college is responsible for any loss/damage occurs with the students & faculty members during the visit.
4. The Students & faculty are advised to take all precautionary measures to avoid any mishap during the visit.
5. The students & faculty should not use lift in Power House.
6. The students & faculty are advised to bring their photo identity cards while entering into the Power House.
7. The faculty should take care of students regarding the Electrical equipments installed inside the Power House and to maintain the discipline while in around the Power House.
8. Please note that APGENCO is no-way responsible for any mishap/ accidents to the students & Teachers during the visit.
9. The students should maintain personal hygiene, physical and social distance inside power house.
10. The students should not travel unnecessarily to other places during the visiting period.
11. The students must wear Face Mask compulsory in power house premises.

Yours faithfully

12/7/23

Superintending Engineer,  
O & M Circle, SRBHES.

12/07/2023  
Srisaillam Project

Copy to the Asst. Security Officer/Dy.Executive Engineer, O&M Stores, SRBHES, Srisaillam Project is hereby instructed to permit the above students and faculty members, duly following departmental procedures in vogue and also instructed to permit the students only if accompanied by Sri B.Chinna Linganna, AEE/Elect/SRBHES.

Copy to the Dy.Executive Engineer/General, SRBHES, Srisaillam Project for information and taking further necessary action.



NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPET - 522 601,  
Guntur District, A.P.

Principal  
*[Signature]*

*[Signature]*

NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPET - 522 601,  
Guntur (Dist), A.P.



*[Handwritten signature]*

Mrs. P. BRAMARAMBHAVATHI, Mrs. RAGHAVARANI

Mr. M. CHANDRASEKHAR, Mr. G. NAVEEN,

FACULTY ACCOMPANIED:

CO ORDINATOR :  
Dr. SK. MD. SHAREEF  
ASSOC. PROFESSOR

HEAD OF THE DEPARTMENT :  
Dr. P. LAKSHMANAN, M.E., Ph.D  
PROFESSOR & HOD




REPORT ON  
INDUSTRIAL VISIT ON 15<sup>th</sup> JULY - 2023  
7 x 110 MW  
RIGHT BANK POWER HOUSE  
ANDHRA PRADESH POWER GENERATION CORPORATION LTD.,  
SRISAILAM

NARASARAOPETA ENGINEERING COLLEGE::NARASARAOPET  
(AUTONOMOUS)  
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



**CONTENTS:**

1. Purpose to Visit
2. General Information about Right Bank Power House
3. Observations
4. Conclusion

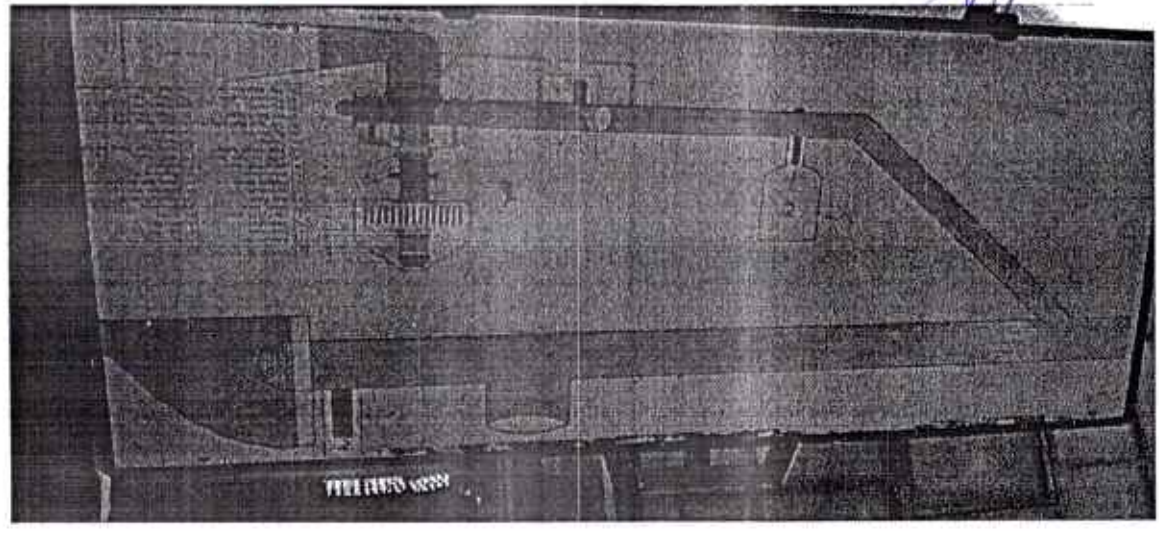
  
PRINCIPAL  
NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPETA - 522 601  
Guntur (Dist), A.P.

  
**IQAC**

IOAC

NARASARAOPET ENGINEERING COLLEGE  
PRINCIPAL  
NARASARAOPET - 522 604  
Guntur Distt, AP

*[Handwritten signature]*



Srisaillam Right Bank Hydro Power Plant is erected on the Srisaillam dam of Kurnool district in Andhra Pradesh. The power is commissioned in 1982 and total installed capacity of the power plant is 770 MW. The status of the power plant is operational. The water source of the plant is Krishna River, which is flowing in the southern hydroelectric region of the country. The power plant is owned by Andhra Pradesh Government and the operating company is APGENCO. The total number of turbines used in the plant is seven and the capacity of each turbine of Srisaillam Right Bank Power House is 110 MW per Turbine. So the unit size of plant is 770 MW having seven units of 110 MW each. Here all the units are commissioned. We observed the animated picture of hydroelectric dam is in the below figure.

following points. Generators, Shafts, Turbines, Control rooms, maintenance room. Power House we are guided by Mr.B.SREEDHAR. Under his guidance we observed the visited Right Bank Power House on 15-07-2023 along with the faculty and in the Right Bank It is located at Domalapeda, Srisaillam, Kurnool District, Andhra Pradesh, India. We are

**2. GENERAL INFORMATION ABOUT RIGHT BANK POWER HOUSE:**

Our main purpose to visit is to know about the industrial environment and to get the practical knowledge of hydro power plant. Students will get an idea of hydro power plant i.e. Turbines and Generators and also familiar with some electrical equipment's like operating software's, circuit breakers, P.T, C.T, power transformer and some auxiliary equipment's.

**1. PURPOSE TO VISIT:**





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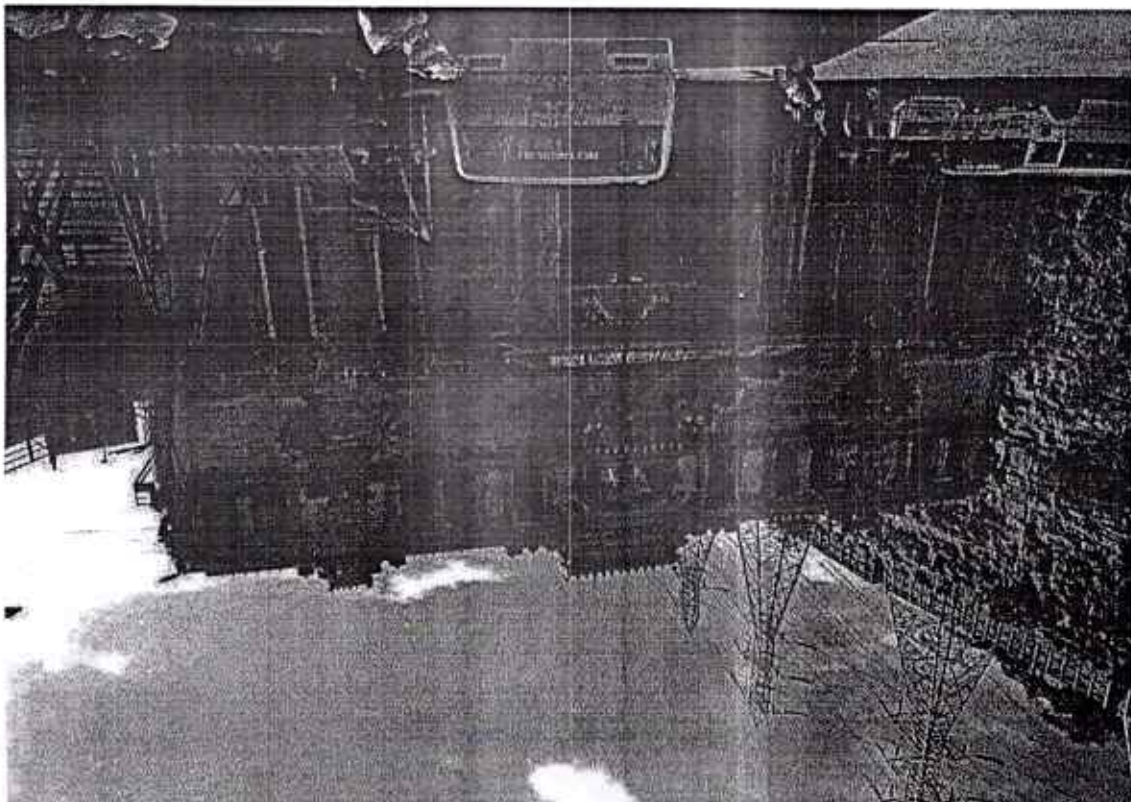
was an exciting experience to us.

After visiting this hydro power plant we came to know about the practical generation process of electrical energy and understood the function of various components in power plant, their importance, arrangement and also the precautions taken for safety. This experience gave me a good exposure to the industry-tied branches of engineering. This visit

#### 4. CONCLUSION:

The above Fig. shows the view of the power plant entrance, APGENCO take over the project and generating power since from the beginning, more than 50 employees are working in the power plant and divided into three shifts, each shift has 8 working hours. When the water in the dam is 200 TMC then only they can operate the power plant.

Fig. The entrance of the Right Bank Power House, Srisailem







**NARASARAOPETA  
ENGINEERING COLLEGE**  
(AUTONOMOUS)

Industrial Visit to

# RIGHT BANK POWER HOUSE, SRISAILAM

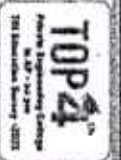
(IV Year Students)

22nd June, 2024

*In Association With*



## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



6'x3' - 2024

*[Signature]*

930



24/6/24

*[Signature]*

NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)

NARASARAOPETA - 522 601,  
Guntur (Dist.), A.P.





# NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O), NARASARAOPET-522 601, Palnadu Dist., A.P.  
(Sponsored by Gayatri Educational Development Society), Narasaraopet.



Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada. Code : 47, NIRF : 2022 (251-300 Band)

Accredited by NBA (CSE, ECE, ME) & NAAC "A+" Grade, ISO 9001 : 2015 Certified Institution.

08647-239904

Visit us at : [www.nrtec.in](http://www.nrtec.in)

e-mail : [principal@nrtec.in](mailto:principal@nrtec.in)

Dated: 14.06.2024

To  
The Superintendent Engineer,  
O&M Circle,  
Srisaillam Right Bank Power House,  
Srisaillam Project,  
Srisaillam

Email : [se.srbhes@gmail.com](mailto:se.srbhes@gmail.com)

Dear Sir,

Sub: Request to visit your Srisaillam Right Bank Power House

\*\*\*

Narasaraopeta Engineering College (Autonomous), Narasaraopet established in the year 1998. The college offers 11 UG courses (CIVIL, EEE, ME, ECE, CSE, CSE(AI), AI&ML, IT, CSE(AIML), CSE(CS), CSE(DS), PG Courses M.Tech (DECS, DSCE, VLSIE, P&ID, CSE, TE, MD, SE), MBA and MCA courses.

As a part of Academics, students are required to visit industries in order to get the practical knowledge and industrial exposure.

4<sup>th</sup> year B.Tech Electrical and Electronics Engineering students of our college would like to visit your esteemed industry on 22<sup>nd</sup> June, 2024. One batch consists of 99 students and four faculty members visit your Srisaillam Right Bank Power House on 22<sup>nd</sup> June, 2024. Hence we request you to permit the above visit and confirm the date of visit.

We request you to kindly grant permission. We will abide your rules and regulations.

Thanking you,

Yours faithfully

PRINCIPAL

PRINCIPAL

NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)

NARASARAOPET - 522 601.  
Guntur (Dist.), A.P.



PRINCIPAL  
NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPET - 522 601.  
Guntur (Dist.), A.P.





**ANDHRA PRADESH POWER GENERATION CORPORATION LIMITED**

From:  
The Superintending Engineer  
O & M Circle, SRBHES  
APGENCO, Srisailem Project,  
518 102.

To:  
The Principal,  
Narasaraopeta Engineering  
College, Narasaraopet - 522601,  
Palnadu Dist, Andhra Pradesh.

Lr. No. SE / O&M / SRBHES / ADM/AEE-T/JA/F,PH Visit(08) / D.No. 99 / 24-25, Dt. 19-06-2024.

Sir,

**Sub:-** APGENCO-SRBHES - O&M Circle - Visit to the Srisailem Right Bank Power House  
Permission - Accorded - Reg.


**Ref:-** Your letter date: 18.06.2024.


@@@

With reference to the letter cited above, you are informed that IV year B.Tech EEE students numbering about 99 members along with faculty 4 Nos. of your college are permitted to visit the Srisailem Right Bank Power House on 22.06.2024 (In 2 batches of 52 & 51 members each are allowed one in Morning session & one in Afternoon session).

1. Cameras, Cell phones and Electronic Items etc., are not allowed inside the Power House.
2. The Students & Faculty should follow the APGENCO Engineers instructions in the Power House.
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8. Please note that APGENCO is no-way responsible for any mishap/accidents to the students & Faculty during the visit.
9. The students should maintain personal hygiene, physical and social distance inside power house.
10. The students should not travel unnecessarily to other places during the visiting period. The students must wear Face Mask compulsory in power house premises.

Yours faithfully

  
Superintending Engineer,  
Operation & Maintenance Circle  
SRBHES, APGENCO,  
Srisailem Project.

  
Copy to the Factory Manager (Power House) & Executive Engineer/O&M-III/SRBHES for  
information and taking further necessary action.

  
(AUTORITIOUS)  
NARASARAOPET - 522 601, (P.T.O)  
Guntur (Dist), A.P.



NARASARAOPETA ENGINEERING COLLEGE: NARASARAOPET  
(AUTONOMOUS)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

List of Students & Faculty Visiting Srisaillam Right bank Power House, Srisaillam  
on 22-06-2024

Class: IV B.TECH Section: A

S.No.	H.T.No.	Name of the Student
1	20471A0213	G.MARUTHI
2	21471A0201	AINABATHINI SATISH
3	21471A0202	YANNAM DEVA PRASAD
4	21471A0204	BISAPOGU HEBELU
5	21471A0205	BYKA ABHISHEK REDDY
6	21471A0207	DANDE RAVI TEJA
7	21471A0208	GOTTIPATI SRIKANTH
8	21471A0209	KAMBALA KOTESWARA RAO
9	21471A0210	KOCHARLA VINAY
10	21471A0211	KOTTE GAYATHRI
11	21471A0212	MUSANI DHANUNJAYADU
12	21471A0215	RAMISETTY SNEHA
13	21471A0216	SHAIK SAJID
14	21471A0217	SHAIK MANSOOR
15	21471A0219	SHAIK RIYAZ
16	21471A0220	SHAIK KHAJA SHAREEF
17	21471A0221	SHAIK INKOLLU MANSOOR
18	21471A0222	SHAIK SHAHID
19	21471A0223	SYED SAZITH BABU
20	21471A0224	PALLAPU GOPICHAND
21	21471A0225	TALLA KUSUMA REDDY
22	21471A0226	TAVVA S SIVA NAGA ASHOK

**IQAC**

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NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPET - 501  
Guntur (Dist.), A.P.

NARASARAOPETA ENGINEERING COLLEGE: NARASARAOPET  
(AUTONOMOUS)

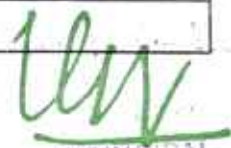
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
List of Students & Faculty Visiting Srisaillam Right bank Power House,  
Srisaillam on 22-06-2024

Class: IV B.TECH

Section: B

S.No.	H.T.No.	Name of the Student
1	22475A0201	G.VISHNU
2	22475A0202	S.YERNAIDU
3	22475A0203	D.VENKATESH
4	22475A0204	S.SIVAKUMAR
5	22475A0205	S.UMESH
6	22475A0206	G.PAVAN KUMAR
7	22475A0207	G.SUSWANTH
8	22475A0208	M.ANIL
9	22475A0209	K.DILEEP KUMAR
10	22475A0210	T.ARUN KUMAR
11	22475A0211	B.V V DEVESH
12	22475A0212	R.MANOJ KUMAR
13	22475A0213	P.RAKESH BABU
14	22475A0214	G.Md ISMAIEL
15	22475A0215	S.INDU PRIYA
16	22475A0216	K.BABU
17	22475A0217	K.VARA PRASAD
18	22475A0218	D.PRABHAKARA RAO
19	22475A0219	B.SEELAM
20	22475A0220	M. VENKATA SAI
21	22475A0221	G.NARASIMHA REDDY
22	22475A0222	D.NAGANJALI
23	22475A0223	D.VIJAYALAKSHMI
24	22475A0224	B.BALASAI REDDY
25	22475A0225	A.S LAKSHMI
26	22475A0226	K.SAI LEELA
27	22475A0227	G.S SAI NIKHIL
28	22475A0228	G.MASTAN
29	22475A0229	M.REDDY
30	22475A0230	U.MUTHAIAH

  
**IQAC**

  
PRINCIPAL  
NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPET - 522 601  
Guntur (Dist.), A.P.





**NARASARAOPETA  
ENGINEERING COLLEGE  
(AUTONOMOUS)**

**Industrial Visit to**

**JINDAL URBAN WASTE MANAGEMENT / GUNTUR LTD.,**

**(Kondaveedu, Guntur Dt.)**

**(III Year Students)**

**13th July, 2024**

*In Association With*



**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**



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10/1/24

PRINCIPAL

NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

NARASARAOPETA - 522 601

Guntur (Dist.), A.P.



NARASARAOPETA ENGINEERING COLLEGE:: NARASARAOPET  
(AUTONOMOUS)


DEPARTMENT OF ELECTRICAL AND ELCTRONICS ENGINEERING

List of Students & Faculty Visiting Jindal Urban Waste Management(Guntur) Ltd., Guntur on 13-07-2024

Class: III B.TECH I SEMESTER

S.No.	H.T.No.	Name of the Student
1	22471A0201	BAGILI MAHABOOB BASHA
2	22471A0202	BIKKEM VENKATA MALLIKHARJUNA RAO
3	22471A0203	BONDILI MADHAV BHIM SINGH
4	22471A0204	CHIMATA VENKATA MALLIKARJUN
5	22471A0205	GUNJI ANIL KUMAR
6	22471A0207	GURRAM PAVAN KUMAR
7	22471A0208	ILLA JOHN VICTOR
8	22471A0209	JARUGUMALLI INDU
9	22471A0210	KILARI KARTHIK
10	22471A0211	KONDRAMUTLA FARUK
11	22471A0212	KUNCHAPU SRI MANIKANTA
12	22471A0213	MADDIGUNTA SRINIVAS
13	22471A0214	MEKALA VENKATESWARLU
14	22471A0215	MURABOINA NANI
15	22471A0216	MURARI SRINU
16	22471A0217	PAIAVULA CHANDRA SEKHAR
17	22471A0218	PATHURI RAKESH
18	22471A0219	PAVANI SANDHI
19	22471A0220	PONDHURI NAGA CHAITHANYA SAI
20	22471A0221	POTHIREDDY NAGA SUJITHA
21	22471A0222	PULA CHANDRA SEKHAR
22	22471A0223	SAMEENA PATHAN
23	22471A0224	SHAIK ASHRAF JAHA
24	22471A0225	SHAIK ASMIN
25	22471A0226	SHAIK FATHIMUN BEE
26	22471A0227	SHAIK KALAM SABIR
27	22471A0228	SHAIK MABU SUBHANI
28	22471A0229	SHAIK MOHAMMAD RAFI
29	22471A0230	SHAIK MUJAVAR MOHAMMAD KHASIM
30	22471A0231	SHAIK NANNU MOHAMMAD ALI
31	22471A0232	SHAIK PONDUGULA DAERIYAVALI
32	22471A0233	SHAIK RAJA NAGUL JILANI
33	22471A0234	SHAIK RESHMA
34	22471A0235	SHAIKMOTHAD SUBHANI
35	22471A0236	SYED SAFINA



  
PRINCIPAL  
NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPET - 522 601,  
Guntur (Dist.), A.P.





# NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O), NARASARAOPET-522 601, Patnadu Dist., A.P.  
(Sponsored by Gayatri Educational Development Society), Narasaraopet.



Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kavrayada, Code - 47, NIRF : 2022 (251-300 Band)

Accredited by NBA (CSE, EEE, ME, IT) & NAAC "A+" ISO 9001:2015 Certified Institution

☎ 08647-239904

Visit us at : [www.nrtec.in](http://www.nrtec.in)

e-mail : [principal@nrtec.in](mailto:principal@nrtec.in)

Dated: 14.06.2024

To  
The President,  
AP projects  
Jindal Urban Waste Management Guntur Ltd.,  
Guntur

Email: [m.vc@jindalecopolis.com](mailto:m.vc@jindalecopolis.com)

Dear Sir,

Sub: Request to visit your Jindal Urban Waste Management Guntur Ltd.

\*\*\*

Narasaraopeta Engineering College (Autonomous), Narasaraopet established in the year 1998. The college offers 11 UG courses (CIVIL, EEE, ME, ECE, CSE, CSE(AI), AI&ML, IT, CSE(AIML), CSE(CS), CSE(DS), PG Courses M.Tech (DECS, DSCE, VLSIE, P&ID, CSE, TE, MD, SE), MBA and MCA courses.

As a part of Academics, students are required to visit industries in order to get the practical knowledge and industrial exposure.

3<sup>rd</sup> year B.Tech Electrical and Electronics Engineering students of our college would like to visit your esteemed industry on 13<sup>th</sup> July, 2024. One batch consists of 67 students and two faculty members visit your Jindal Urban Waste Management Guntur Ltd. on 13<sup>th</sup> July, 2024. Hence we request you to permit the above visit and confirm the date of visit.

We request you to kindly grant permission. We will abide your rules and regulations

Thanking you,

PRINCIPAL  
NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPET - 522 601  
Guntur (Dist.), A.P.

Yours faithfully

PRINCIPAL  
NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPET - 522 601  
Guntur (Dist.), A.P.



13/07/24



S. V. S. Srinivasulu Reddy  
13/07/24

**NARASARAOPETA ENGINEERING COLLEGE::NARASARAOPET  
(AUTONOMOUS)**

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS  
ENGINEERING**

**REPORT ON**

**INDUSTRIAL VISIT ON 13<sup>th</sup> JULY – 2024**

**JINDAL URBAN WASTE MANAGEMENT (GUNTUR) LTD.,  
KONDAVEEDU, GUNTUR(DT.)**



**HEAD OF THE DEPARTMENT :**

Dr. P. LAKSHMANAN, M.E., Ph.D  
PROFESSOR & HOD

**CO ORDINATOR :**

Dr. SK.MD. SHAREEF  
ASSOC.PROFESSOR

**FACULTY ACCOMPANIED:**

Mr.SK.KARIMULLA & Mrs.P.RAGHAVARANI



PRINCIPAL  
NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPET - 522 601,  
Guntur (Dist.), A.P.



## INDUSTRIAL VISIT REPORT

Date of visit :- 13/07/2024

INDUSTRY :- Jindal Urban waste management (Guntur) Ltd.

### INTRODUCTION :-

An industrial visit to "Jindal Urban waste management" (Guntur) - Andhra Pradesh was successfully organized by the Department of "EEE" (Electrical and electronics engineering) on Saturday, 13/07/2024. First of all thank you to the HOD Sir, for giving this type of opportunities for all the students. All the 3<sup>rd</sup> year students of EEE and two faculties (Raghavani madam) and (Kavimulla Sir) visited to the "Jindal Urban waste management". It was mostly used for all the students to increasing knowledge and experience about the power plant.

We all students went to "Jindal Urban waste management" in college bus. The bus left the campus by 9:00 and reached the venue at 11:00 AM.

After the security check the students were taken to introduction room and given a briefing of rules and guidelines to be followed by everyone inside the industry. We were divided into three batches at 11:15 AM we were assembly line by the industrial manager and our guide (Raghavani madam) and (Kavimulla Sir) and they both the guides and manager briefly explained about the operation and working of the "Jindal Urban waste management".

**IQAC**

PRINCIPAL  
NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPETA - 522 601.  
Guntur (Dist), A.P.

## Fuel for the plant

The main fuel for this plant is "waste"

\* The waste is dumped from the garbage trucks was used to transport

## Combustion chamber :-

- ① By the collecting of this waste (8) pit leave's in the chamber nearly 4 week.
- ② The wet waste turns in to dry waste, so, it was perfect to combust

## Boiler

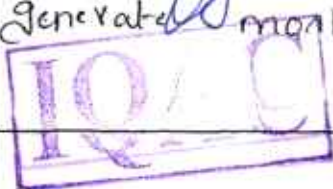
- ① The RDF Boiler is used in the waste-to-energy plant.
- ② The boiler has a specially designed water-cooled reciprocating grate that can handle a range of fuels.

## Turbine :-

- ① The Triveni turbines are used in waste-to-energy plant
- ② The hot exhaust gas released from burning the waste produces steam.
- ③ Steam turbines the work under continuous base load operations and varied grid conditions

## Alternator :-

- ① Turbo-alternator used in waste-to-energy plant
- ② Alternators in power stations driven by the steam turbines are called turbo-turbines
- ③ large 50 (8) 60 Hz 3- $\phi$  alternator in power plants generate most of world's electric







**NARASARAOPETA  
ENGINEERING COLLEGE**  
(AUTONOMOUS)

**Industrial Visit to**

**MITTAPALLI SPINNERS**

**{III Year (Laterals) Students}**

**07th November, 2023**



**MITTAPALLI  
SPINNERS LTD**  
Narasaraopet, (A.P.) India

**Department of Electrical and Electronics Engineering**

PRINCIPAL

NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)

NARASARAOPET - 522 601

Guntur (Dist.), A.P.

IOAC



**DR. M. SREENIVASA KUMAR**  
 M.Tech., Ph.D. (UK), MISTE, FIE (I)  
 PRINCIPAL

To

The General Manager,  
 Mittapalli Spinners Limited,  
 Kottappakonda Road,  
 China Turakapalem (P.O.),  
 Narasaraopet-522 601,  
 Guntur Dist., A.P.

Dear Sir,

Sub: Request to visit your Mittapalli Spinners Limited - Reg.

The Narasaraopeta Engineering College was established in the year 1998, approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A+' Grade by NAAC and Accredited four times by NBA, NEC accorded 'AUTONOMOUS' status since 2016. NEC is ranked among top 300 engineering institutions in India rankings (NIRF 2022, 251-300 band) by Ministry of Education, Govt. of INDIA. Also NEC ranked as top 4th Private Engineering College in AP as per Times Engineering Institute Ranking Survey-2022. INDIA TODAY Ranked NEC as 178 among Private Engineering Colleges in INDIA. The college offers Seven M.Tech programmes, Two PG courses of MCA, MBA and Ten courses at B.Tech level in the branches CSE, CSE(AI), CSE(AI&ML), CSE (DS), CSE(Cyber Security), IT, ECE, ME, EEE and CIVIL.

As a part of Academics students are required to visit industries in order to get the practical knowledge and industrial exposure.

2<sup>nd</sup> year Lateral students of all the branches of our college would like to visit your esteemed industry on 06.11.2023 (Mech & Civil), 07.11.2023 (EEE, IT, AI, AIML, DS & CS) and 10.11.2023 (ECE & CSE) of around 60 students per day along with two faculty members.

We request you to kindly grant permission. We will abide your rules and regulations.

Thanking you,



PRINCIPAL  
 NARASARAOPETA ENGINEERING COLLEGE  
 (AUTONOMOUS)  
 NARASARAOPET - 522 601  
 Guntur (Dist.), A.P.



Yours faithfully

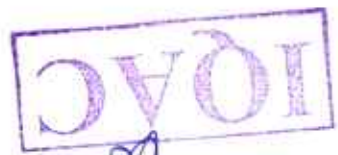
PRINCIPAL  
 NARASARAOPETA ENGINEERING COLLEGE  
 (AUTONOMOUS)  
 NARASARAOPET - 522 601  
 Guntur (Dist.), A.P.



Dated: 04.11.2023

Visits  
  
 27/11/23





HOD-EEE

List

PRINCIPAL

S.No.	Name of the Faculty	Designation
1	Mrs P.Raghava Ramu	Asst. Professor

S.No.	H.T.NO.	Name of the Student	Name of the Student
1	23475A0201	M. Sankar Reddy	K. Anamada
2	23475A0202	KURUVA NARMADA	Y. Bharani Prasad
3	23475A0203	YAGANTI BRAVANI PRASAD	S. Preetham Kumar
4	23475A0204	SIRLA PREETHAM KUMAR	SAGA VEERA VENKATA SURESH KUMAR
5	23475A0205	SAGA VEERA VENKATA SURESH KUMAR	PALLA BHANU PRAKASH
6	23475A0206	PALLA BHANU PRAKASH	KOTI PALLI HEMA KUMAR
7	23475A0207	KOTI PALLI HEMA KUMAR	AKETHI DIVAKARA RAO
8	23475A0208	AKETHI DIVAKARA RAO	DASARI MADAN MOHAN
9	23475A0209	DASARI MADAN MOHAN	ATCHUTA MAHESWAR SAI
10	23475A0210	ATCHUTA MAHESWAR SAI	VENULA SATISH
11	23475A0211	VENULA SATISH	VADUGU VENKATESWARLU
12	23475A0212	VADUGU VENKATESWARLU	AMBATI KIRAN KUMAR
13	23475A0213	AMBATI KIRAN KUMAR	KILLARI GANESH
14	23475A0214	KILLARI GANESH	KINNERA ANIL
15	23475A0215	KINNERA ANIL	KOJIA VENKATA TEJA
16	23475A0216	KOJIA VENKATA TEJA	M. SRINIVAS RAO
17	23475A0217	M. SRINIVAS RAO	B. DURGA PRASAD
18	23475A0218	B. DURGA PRASAD	SK SILAR SAHEB
19	23475A0219	SK SILAR SAHEB	H. RAKESH
20	23475A0220	H. RAKESH	D. YASHWANTH
21	23475A0221	D. YASHWANTH	SR. RAJ MURKHAN
22	23475A0222	SR. RAJ MURKHAN	M. SAI KUSHNA
23	23475A0223	M. SAI KUSHNA	T. AKASH
24	23475A0224	T. AKASH	B. RAVI KUMAR
25	23475A0225	B. RAVI KUMAR	S. ASHOK
26	23475A0226	S. ASHOK	N. ASHOK
27	23475A0227	N. ASHOK	N. SRINIVAS
28	23475A0228	N. SRINIVAS	N. Srinivasaiah

Date: 06-11-23

Class: II B, TECH I SEMESTER

List of Students & Faculty, Visting Mitragalli Spinners Ltd., Narasaraopeta, on 07-11-2023

NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPETA - 522 501  
Guntur (Dist), A.P.

*WV*

IQAC

*[Signature]*

FACULTY ACCOMPANIED:  
Mrs. P. RAGHAVARANI

CO ORDINATOR:  
Dr. SK. MD. SHARIEF, M.Tech., Ph.D.  
ASSOC. PROFESSOR

HEAD OF THE DEPARTMENT:  
Dr. P. LAKSHMANAN, M.E., Ph.D.  
PROFESSOR & HOD



NARASARAOPETA ENGINEERING COLLEGE::NARASARAOPETA  
(AUTONOMOUS)  
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
REPORT ON  
INDUSTRIAL VISIT ON 7<sup>TH</sup> NOVEMBER -2023  
MITTAPALLI SPINNERS LIMITED,  
CHINA TURAKA PALEM, NARASARAOPETA.



## ACKNOWLEDGEMENT:

We convey our special thanks to our faculty Mrs.P.Raghavarami who accompanied with us and clarified our doubts and take care of us till the end of our visit.

We convey our special thanks to our Industrial visit coordinator Dr.Sk.Md.Shareef who cooperated us to make this visit successful.

We articulate our profound gratitude to Dr.P.Lakshmanan, Head of the Department of Electrical and Electronics Engineering for his indispensable encouragement to visit the industry.

We convey our special thanks to our honourable principal Dr.M.Sreenivasa Kumar for his immense motivation.

We sincerely thanks to our college management for providing bus facility to visit the Industry Power grid corporation.

PRINCIPAL  
NARASARAOPETA ENGINEERING COLLEGE,  
(AUTONOMOUS)  
NARASARAOPETA - 522 604  
Guntur (Dist), A.P.



NARASARAOPIA ENGINEERING COLLEGE  
 (AUTONOMOUS)  
 NARASARAOPIET - 522 601,  
 Guntur (Dist), A.P.

PRINCIPAL  




- |                |                |
|----------------|----------------|
| 10. Auto coner | 5. Lap former  |
| 9. Spinning    | 4. Br. drawing |
| 8. Simplex     | 3. Carding     |
| 7. Fr. drawing | 2. Blow room   |
| 6. Comber      | 1. Mixing      |

11. Packing.

To produce quality yarn the following processes are done. They are:-

The present activities of the company involve process that go into producing the quality yarn. The best quality of raw cotton is processed in state-of-the-art machineries using the latest technical know-how to produce the finest quality yarn.

**OBSERVATION:-**





*[Handwritten signature]*

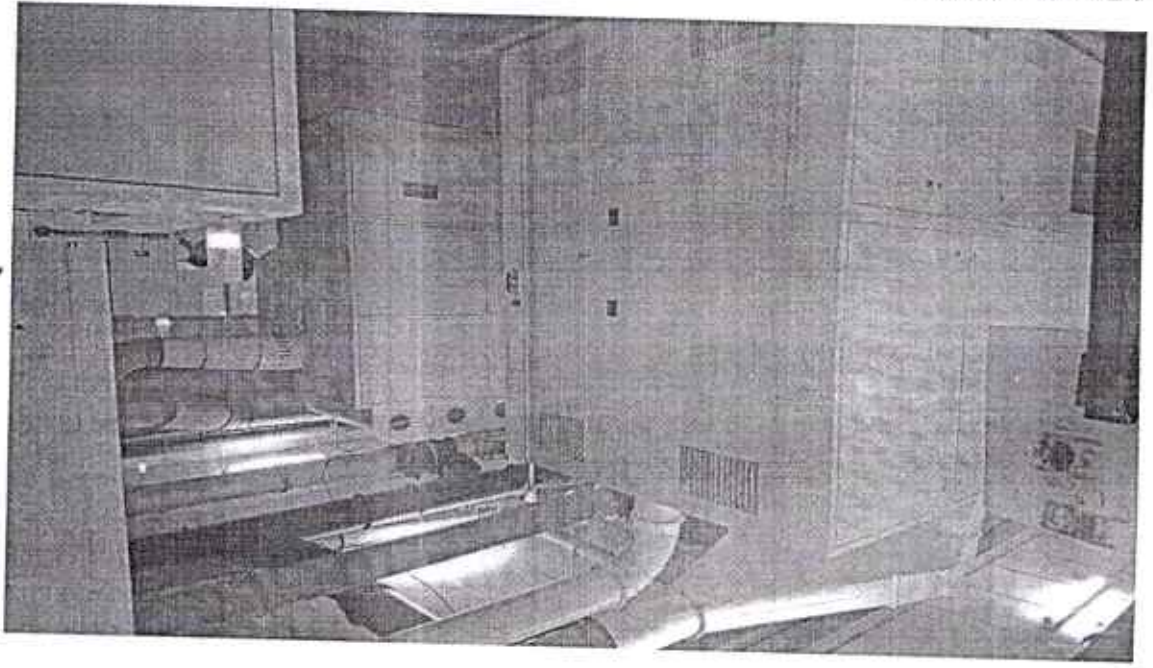
*[Handwritten signature]*

The object of Lap Former is preparation of Lap from slivers with optimum parallelized fibres and feeding of trailing hooks from Carding as leading hooks at Comber to reduce long fibre loss in the noll.

### 5. LAP FORMER:-

The object of draw frame is to double and draft the slivers and thereby make even sliver and parallelization of fibres i.e. hooks created at Carding are removed. Our Machines are equipped with 1000mm cans to avoid no. of joints which directly effects quality of final yarn.

### 4. B. DRAWING:-



"Card is the heart of the spinning mill" and "Well carded is half spun" are two proverbs of the experts. The purpose of Carding is to open tufts to individual fibres, neps reduction, elimination of dust and orientation of fibres into sliver form. In Our Installation we are having a flexibility to run different processes.

### 3. CARDING:-

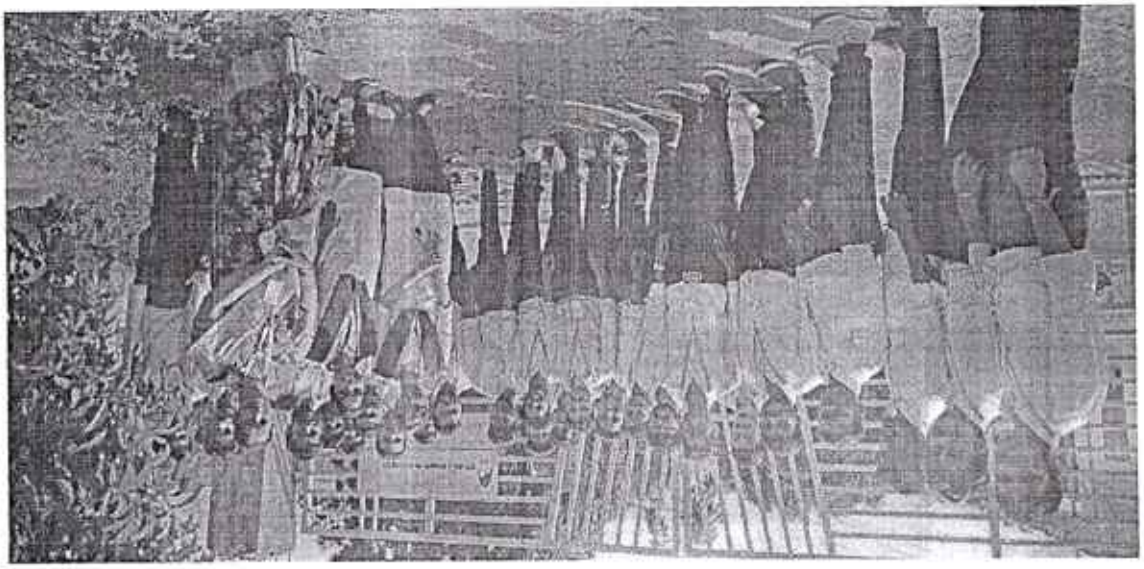
the help of these machines we are totally avoiding manual material handling which will directly help us in maintaining best quality of yarn.

**PACKING:-**

In Packing Section they check each and every Cone for visual defects and UV light inspection. With the help of this practice we are able to build the confidence of our valued customers for better in supply of better quality yarn. We can produce the package as per the customer requirement.

**Conclusion:-**

We understood the preparation of yarn process practically at MITTAPALLI SPINNERS LIMITED. We are thankful to each and every one who helped us to complete the visit successfully.



SUBMITTED BY

II YEAR LATERALS

(23475A0201-228)

*WV*

IOAC

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(AUTONOMOUS)  
NARASARAOPET - 522 601,  
Guntur (Dist), A.P.





# NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MBA

## REPORT ON ONE DAY INDUSTRIAL VISIT

On

04-01-2024

Prepared by

M. VIKRANTH

(23471E0035)

The class representative

Narasaraopeta engineering college

Narasaraopeta

### Submitted to

THE HEAD OF  
DEPARTMENT OF  
M.B.A.

NARASARAOPETA ENGINEERING COLLEGE (Autonomous),  
NARASARAOPET-522601,  
GUNTUR (DT).



PRINCIPAL

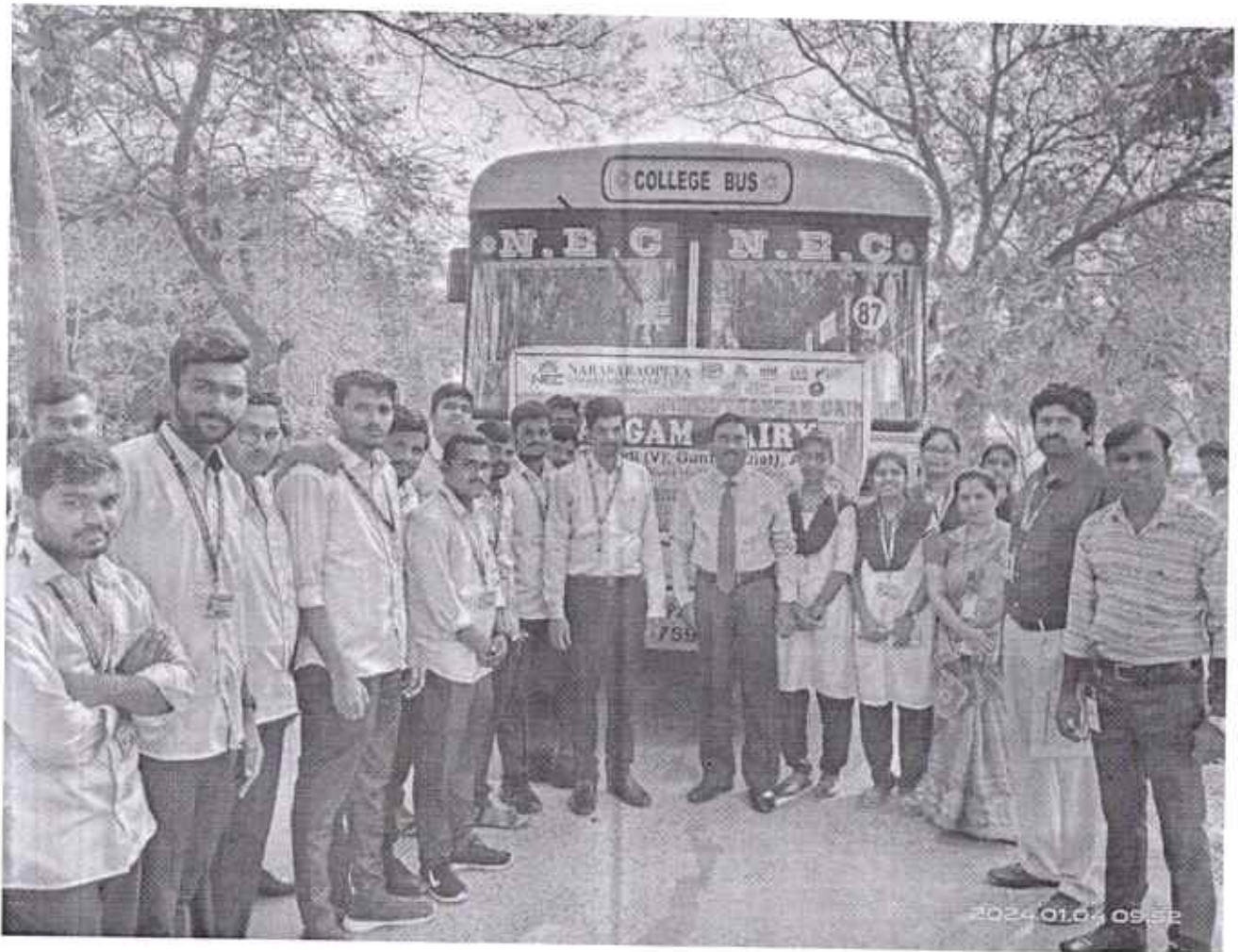
NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)

NARASARAOPETA-522601  
Guntur (Dist.), A.P.

**Subject: Report on the One-day industrial visit**

On receiving the letter of permission from SANGAM DAIRY, VADLAMUDI, 72 students with three faculty members (Mr. T.Mallikarjuna Rao, Mr. Y. Suresh Mrs. Sd.Salma) started for the industrial visit.

We visited SANGAM DAIRY ON 04/01/2024.We all assembled at the college by 9:00 a.m.

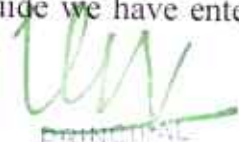


On taking a group pic with HOD sir and other faculty members we started at 9:40 a.m. from the college.

During the journey we enjoyed a lot. We reached sangam dairy by 12:00 p.m.

The company follows strict rules such as even cell phones and other electronic equipment are not allowed. The company guide explained the company rules and regulations, process of making and converting the milk. With the help of guide we have entered the production process of milk.

  
**IQAC**

  
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NARASARAOPET - 522 601.  
Guntur (Dist.), A.P.



We asked some questions relating to production process and the guide clarified the doubts.

- The principal raw material is milk from raw milk production (RMP)
- The received milk is being pasteurized with heat of 78 degrees
- Later it is sent for homogenization
- The removed cream is sent to cream section and is used when there is less amount of milk received.
- More than 4 lakh milk packets are being packed and distributed during un-season times
- More than 6 lakh milk packets are packed during season times
- These milk packets are distributed around Guntur and prakasam districts
- Milk is packed in sangam dairy packets with AGMARK label
- The packed milk packets are stored under 2 degrees for better taste of milk
- Toned milk is a 100% of milk being processed
- Cream is obtained from excess fat in the milk process
- Ghee is from the cream obtained

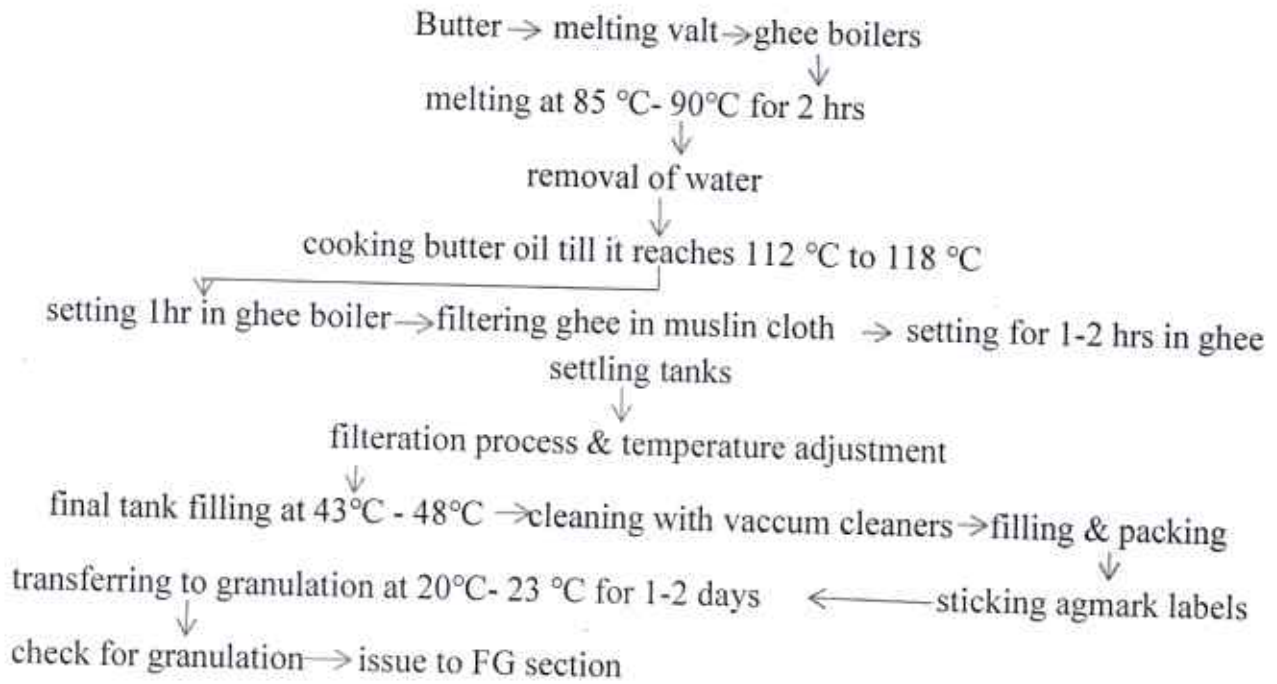
### PROCESS OF MILK



  
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NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPETA - 522 501.  
Guntur (Dist.), A.P.

## GHEE PROCESSING

The critical point for boiling of butter is  $112^{\circ}\text{C} - 118^{\circ}\text{C}$



Later we visited the HR manager of sangam dairy and had few words with him



*Handwritten signature*  
**IQAC**

*Handwritten signature*  
**PRINCIPAL**  
**NARASARAOPETA ENGINEERING COLLEGE**  
**(AUTONOMOUS)**  
NARASARAOPETA - 522 601  
Guntur (Dist), A.P.





Thanks to our principal Dr. M. Sreenivas kumar and HOD Dr. S. Venkata ramana who permitted us to go on the visit.

Finally thanks to our faculty members Mr. T.Mallikarjuna Rao, Mr. Y. Suresh Mrs. Sd.Salma who ~~amplius~~ and with their cooperation we visited the wonderful place.

Thanking you

Yours faithfully,  
M. VIKRANTH  
(23471E0035)

Department of MBA,  
Narasaraopeta engineering college,  
Narasaraopet.

*M. Vikranth*  
PRINCIPAL

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NARASARAOPETA - 522 601  
Guntur (Dist), A.P

*M. Vikranth*  
IQAC

  
AQAC

  
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NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPETA - 522 601  
Guntur (Dist.), A.P.



NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS): NARASARAOPET  
MBA DEPARTMENT

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Date: 02-01-2024

CIRCULAR

All MBA I Semester students are informed that the department has arranged for one day Industrial Visit to **SANGAM DAIRY, Guntur** on **04-01-2024**. All the students should come to college in formals (**Blazer and ID card**). The management is arranging bus facility and bus starts at 9 a.m from college. The students should maintain discipline and dignity during the visit and elevate the prestige of the institution. It is advised to utilize the opportunity and gain much desired benefit.



HOD

(MBA DEPT)



A handwritten signature in green ink is written above the word "PRINCIPAL".

NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPET - 522 601.  
Guntur (Dist.), A.P.

**NARASARAOPETA ENGINEERING COLLEGE : NARASARAOPET  
(AUTONOMOUS)**

DEPARTMENT OF MBA

Industrial Visit on 04-01-2024 at Sangam Dairy, Vadlamudi, Guntur .Dist.

(Permanently Affiliated to JNTU Kakinada, Accredited by NAAC 'A', NBA, AICTE and ISO 9001:2008 Certified)

SNO	HNO	Name of the Candidate	Signature of Student
1	23471E0001	ADAPALA DURGA RAO	A. Durgarao
2	23471E0002	AKKINAPALLI PAVAN KUMAR	PKK
3	23471E0003	ATHAMAKURI THARUNI SRI SAI SAHITYA	A. Tharuni
4	23471E0006	BHIMANADHUNI BALA RAMA KRISHNA	BH. Bala Rama Krishna
5	23471E0007	BORIGARLA VENKATESH	B. Venkatesh
6	23471E0008	CHALLA PRAVALLIKA	Ch. pravallika
7	23471E0009	CHERUKURI LAKSHMAN	L. Lakshman
8	23471E0012	DASARI PAVANI DEVE SRI	D. pavani devisri
9	23471E0013	DASARI SAI SWETHA	D. Sai Swetha
10	23471E0014	GADE DHANA LAKSHMI	G. Dhana Lakshmi
11	23471E0015	GANDRU GANESH	G. Ganesh
12	23471E0016	GARRE JAYALAKSHMI	G. Jaya Lakshmi
13	23471E0018	GUNTUPALLI VEERANJANEYU	G. veeranjaney
14	23471E0019	GUNTURU AMARESH	G. Amaresh
15	23471E0020	KAKUMANU BHAVANA	K. Bhavana
16	23471E0021	KAYALA ASHOK SAI KUMAR	K. Ashok Sai Kumar
17	23471E0022	KOTARU GOPI	Gopi
18	23471E0025	KUNCHALA MAHESH BABU	K. Mahesh
19	23471E0026	KURRA USHARANI	K. Usharani
20	23471E0027	LAKKIPOGU SATHISH	L. Satish
21	23471E0032	MOHAMMAD KARISHMA	Karishma
22	23471E0034	MULE ANANTHA REDDY	M. Anantha Reddy
23	23471E0035	MUVVA VIKRANTH	V. Vikranth
24	23471E0041	PABBATI DURGA PRAVALLIKA	P. Durga Pravallika
25	23471E0042	PALLAPU AKHIL BABU	Akhil
26	23471E0043	PAVULURI PRASAD	Prasad
27	23471E0044	PERUGU SUBBA RAO	P. Subba Rao
28	23471E0045	PITTAMUDSU NARESH	N. Naresh
29	23471E0046	PULIBANDLA AJAY	Ajay



PRINCIPAL  
NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPET - 522 601.  
Guntur (Dist.): A.P.



SNO	HNO	Name of the Candidate	Signature of Student
30	23471E0047	RODDA SAHARJUN	R. Saharjun
31	23471E0048	SANIKOMMU MALATHI	Malathi
32	23471E0059	SHAIK NAGUR SHARIF	SK. Nagur Sharif
33	23471E0060	SHAIK RAFI	St. Rafi
34	23471E0065	TELLA RAVI	Ravi
35	23471E0066	TELLAGORLA GOPICHAND	T. Gopichand
36	23471E0067	THANNIRU RAMANJANEYULU	T. Ramanjaneyulu
37	23471E0068	UPPUTURI KALYANI	Kalyani
38	23471E0069	VANDANAPU GANESH	V. Ganesh
39	23471E0070	VEDULLAPALLI SUMATHI	V. Sumathi
40	23471E0071	VEMULA GANESH	V. Ganesh
41	23471E0076	AMBATI DAVID	A. David
42	23471E0079	BATTULA DESAIAH	B. Desai
43	23471E0080	CHALLA MANTRALU	ch mantralu
44	23471E0081	CHATTU SAI	ch. Sai
45	23471E0083	CHINNAMSETTY HARISH	ch. harish
46	23471E0084	DASARI ADINARAYANA	D. Adinarayana
47	23471E0093	GUNJI RAMANJANEYULU	G. Ramanjaneyulu
48	23471E0094	JAKKIREDDY NARENDRA REDDY	J. Narendra Reddy
49	23471E0095	JANGAM ANIL KUMAR	Anil Kumar
50	23471E0096	KOLIPAKA BHAGYA LAKSHMI	K. Bhagya Lakshmi
51	23471E0098	KORNEPATI REJESH	Rajesh
52	23471E00A1	MALLAVARAPU PREM KUMAR	M. prem kumar
53	23471E00A2	MAMIDALA GOPI	Gopi
54	23471E00A3	MANDA AMEESH	M. Ameesh
55	23471E00A4	MUNNANGI STAINS BABU	M. stains babu
56	23471E00A5	PALLA RUPA VYSHNAVI	P. Rupa
57	23471E00A6	PALLAPU SAI KIRAN	Sai Kiran
58	23471E00A9	PERAVALI VEERANJANEYA SAI	P. veeranjaneya Sai
59	23471E00B0	PINDRALA SAIKUMAR	P. Saikumar
60	23471E00B1	PODILI PRASAD	P. Prasad
61	23471E00B2	PONNAPATI NEELIMA	P. neelima
62	23471E00B3	PONNEGANTI HARISH	P. harish
63	23471E00B4	PULI GANGA BHAVANI	P. Ganga bhavani
64	23471E00B6	RENTAPALLA RAJESH	R. Rajesh
65	23471E00B7	SHAIK ABDUL BASHA	Abdul Basha



SNO	HNO	Name of the Candidate	Signature of Student
66	23471E00B8	SHAIK DADUL BASHA	Sk. Dadul Basha
67	23471E00B9	SHAIK JABEEN	Sk. Jabeen
68	23471E00C5	SIKHAKOLLI POORNA BHANU PRASAD	S. poorna Bhanu prasad
69	23471E00C9	THOTA ANUSHA	T. Anusha
70	23471E00D7	KONIDENA GOPI	K. Goppi
71	23471E00E2	CHIMATA GOPAL	Ch. Gopal
72	23471E00E7	CHATTU NAGARAJU	Ch. nagaraju

Faculty Signature

1. T. Malibharthi
2. Salma Syed

HOD  
HEAD

Department of M.B.A  
NARASARADPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARADPET - 522 601.

IQAC

PRINCIPAL  
NARASARADPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARADPET - 522 601.  
Guntur (Dist.), A.P.





# NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O), NARASARAOPET - 522 601, Guntur Dist. A.P.

Sponsored by Gayatri Educational Development Society, Narasaraopet.

Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada. Code : 47

Accredited by NBA & NAAC "A" Grade - ISO 9001 : 2015 Certified Institution.

☎ 08647-239903 & 08647-239902 (Fax)

Visit us at : [www.nrtec.in](http://www.nrtec.in)

e-mail : [principal@nrtec.in](mailto:principal@nrtec.in)

**Dr. M. SREENIVASA KUMAR**

M.Tech., Ph.D (UK), MISTE., FIE (I)

PRINCIPAL

Narasaraopet.

Date: 12-12-2023,

To  
The General Manager,  
Sangam Milk Producer Company Ltd,  
Vadlamudi,  
Guntur,  
Andhra Pradesh - INDIA.  
[timeoffice@sangamdairy.com](mailto:timeoffice@sangamdairy.com)

Dear Sir,

Sub: Request to visit your plant Sangam Dairy- Reg.

\*\*\*

Narasaraopeta Engineering College, Narasaraopet, established in the year 1998. The college offers 10 UG courses (CIVIL, EEE, ME, ECE, CSE, IT, CSE (AI), CSE (AI & ML), CSE (Cyber Security), CSE (Data Structure), PG Courses M.Tech (DECS, DSCE, P&ID, CSE, Thermal Engineering, Machine Design, Structural Engineering), MBA and MCA courses. We are offering MBA course in our college for the past 17 years.

As a part of Academics, students are required to visit industries in order to get practical knowledge and industrial exposure.

1<sup>st</sup> year MBA students of our college would like to visit your esteemed industry for one day. The batch consists of 100 students and three faculty members visit your industry.

We request you to kindly grant permission and confirm the dates of the visit at your convenience. We will abide by your rules and regulations.

Thanking you,

Yours faithfully,



(Dr. M. SREENIVASA KUMAR)

PRINCIPAL  
NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPET - 522 601  
Guntur (Dist.), A.P.

| SANGAM MILK PRODUCER COMPANY LIMITED |  
| SANGAM DAIRY | VADLAMUDI |

Proc NO : 535/A-2/3/HR/2022

Date : 24/12/2023

To,

Dr.M. Srinivasa Kumar

Principal

Narasaraopeta Engineering College

Dear Sir,

Subject: - HR-Dept S.M.P.C.LTD, Permission to Visit for students of Narasaraopeta Engineering College, Guntur- Reg.

Reference: - Your Letter dated: 12.12.2023.

-----\*\*\*\*\*-----

With reference to your request letter, permission is hereby accorded to your students and Faculty of [70 members Students & 3 Faculty] M.B.A 1<sup>st</sup> year students to Visit Sangam Dairy on


Batch.no	Date	Number of Students	Time
1	04.01.2024	35 members	10.00 Am to 11.00 Am
		35 members	11.00 Am to 12.00 pm

Please ensure that the visitors/ Students should not have any contagious diseases and shall not cause any disturbances to the operations in the plant. Please note that the students have to make their own arrangements during their visit to Sangam Dairy.

Guidelines to be followed during the Dairy visit :

- Should wear facemask compulsorily in Dairy Premises.
- Should maintain appropriate Social Distance during the visit.
- Should follow the safety instructions given by the security.
- Should follow the route map and guided by the Security during the visit.
- Should not enter into any unauthorized places.
- Should not touch any material or machinery or product during the visit.
- There should be one escort person for every 25 visitors.
- All the Students should wear College/School uniform only.
- Electronic gadgets are not allowed beyond Zone-II.
- Taking photos and videos etc., in Dairy premises is strictly prohibited.



  
PRINCIPAL  
NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPETA - 522 001  
Guntur (Dist.) A.P.



Fw: Plant visit(04.01.2024)

Narasaraopeta Engineering College <principal@nrtec.in>

Wed 12/27/2023 1:24 PM

To:MBA HOD <mbahod@nrtec.in>

2 attachments (544 KB)

visiting on 4.1.2023.pdf, Authorization letter & Visitors data form (1).pdf

From: Time Office Sangam Dairy <timeoffice@sangamdairy.com>

Sent: Wednesday, December 27, 2023 11:19 AM

To: Narasaraopeta Engineering College <principal@nrtec.in>

Cc: Prasad KVD <prasad.kvd@sangamdairy.com>; Balaji P <balaji.p@sangamdairy.com>

Subject: Plant visit(04.01.2024)

Dear Sir/Madam

We are pleased to inform you that your visit request has been approved. However, in order to proceed with your visit to our Dairy, we kindly request you to carry the following essential documents and adhere to the mentioned guidelines. Please be aware that entry to our Dairy will not be permitted without these forms. Your cooperation in this matter is highly appreciated.

**1. Authorization Letter:** This letter should be get print on your college letterhead, appropriately signed and stamped for verification.

**2. Visitors Data Form:** Please ensure you have duly filled out this form with accurate information

If you require any clarification or have any queries regarding your visit, please feel free to contact the undersigned.

Regards,

[K.V.D Prasad]

[Assistant Manager - HR]

[9154234546]

**Sangam Dairy**

Sangam Milk Producer Company Ltd.

T: 08632025500

feedback@sangamdairy - www.sangamdairy.com

Vadlamudi, Guntur District, Andhra Pradesh

Facebook icon Twitter icon Youtube icon

Logo



  
PRINCIPAL  
NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPETA - 522 601  
Guntur (Dist), A.P.

INDUSTRIAL VISIT  
TO  
CIPET  
(Vijayawada)

On 15<sup>th</sup> March 2024

by

1<sup>st</sup> Year (2023-27 Batch) & 2<sup>nd</sup> Year (2022-26 Batch)

Mechanical Engineering Students



A handwritten signature in green ink, consisting of stylized, cursive letters.

PRINCIPAL  
NARASARAPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAPETA - 522 601,  
Guntur (Dist.), A.P.





# NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O), NARASARAOPET-522 601, Palnadu Dist., A.P.  
(Sponsored by Gayatri Educational Development Society), Narasaraopet.



Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada. Code : 47, NIRF Ranking 251 - 300 Band  
Accredited by NBA (CSE, ECE) & NAAC "A+" Grade, ISO 9001 : 2015 Certified Institution.

☎ 08647-239904

Visit us at : [www.nrtec.in](http://www.nrtec.in)

e-mail : [principal@nrtec.in](mailto:principal@nrtec.in)

To  
Mr. Balu J  
VTC In-charge  
CIPET:CSTS, Vijayawada  
Email: [stccipetvijayawada@gmail.com](mailto:stccipetvijayawada@gmail.com)

Dated: 12.03.2024

Dear Sir,

Sub: Request to visit your CIPET, Vijayawada - Reg.

\*\*\*

The Narasaraopeta Engineering College was established in the year 1998, approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A+' Grade by NAAC and Accredited four times by NBA. NEC accorded 'AUTONOMOUS' status since 2016. NEC is ranked among top 300 engineering institutions in India rankings (NIRF 2022, 251-300 band) by Ministry of Education, Govt. of INDIA. Also NEC ranked as top 4th Private Engineering College in AP as per Times Engineering Institute Ranking Survey-2022. INDIA TODAY Ranked NEC as 178 among Private Engineering Colleges in INDIA. The college offers Seven M.Tech programmes, Two PG courses of MCA, MBA and Ten courses at B.Tech level in the branches CSE, CSE(AI), CSE(AI&ML), CSE (DS), CSE (Cyber Security), IT, ECE, ME, EEE and CIVIL.

As a part of Academics students are required to visit industries in order to get the practical knowledge and industrial exposure.

1<sup>st</sup> & 2<sup>nd</sup> year Mechanical Engineering students of around 45 nos. of our college would like to visit your esteemed industry on 15.03.2024 (1 day) along with two faculty members.

We request you to kindly grant permission. We will abide your rules and regulations.

Thanking you,


Yours faithfully

  
PRINCIPAL

PRINCIPAL

NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPET - 522 601  
Guntur (Dist.), A.P.



  
PRINCIPAL  
NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPET - 522 601  
Guntur (Dist.), A.P.



# NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O), NARASARAOPET-522 601, Palnadu Dist., A.P.  
(Sponsored by Gayatri Educational Development Society), Narasaraopet.



Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada. Code : 47, NIRF Ranking 251 - 300 Band  
Accredited by NBA (CSE, ECE) & NAAC "A+" Grade, ISO 9001 : 2015 Certified Institution.

08647-239904

Visit us at : [www.nrtec.in](http://www.nrtec.in)

e-mail : [principal@nrtec.in](mailto:principal@nrtec.in)

To  
Mr. Balu J  
VTC In-charge  
CIPET:CSTS, Vijayawada  
Email: [stccipetvijayawada@gmail.com](mailto:stccipetvijayawada@gmail.com)

Dated: 12.03.2024

Dear Sir,

Sub: Request to visit your CIPET, Vijayawada - Reg.

\*\*\*

The Narasaraopeta Engineering College was established in the year 1998, approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A+' Grade by NAAC and Accredited four times by NBA. NEC accorded 'AUTONOMOUS' status since 2016. NEC is ranked among top 300 engineering institutions in India rankings (NIRF 2022, 251-300 band) by Ministry of Education, Govt. of INDIA. Also NEC ranked as top 4th Private Engineering College in AP as per Times Engineering Institute Ranking Survey-2022. INDIA TODAY Ranked NEC as 178 among Private Engineering Colleges in INDIA. The college offers Seven M.Tech programmes, Two PG courses of MCA, MBA and Ten courses at B.Tech level in the branches CSE, CSE(AI), CSE(AI&ML), CSE (DS), CSE (Cyber Security), IT, ECE, ME, EEE and CIVIL.

As a part of Academics students are required to visit industries in order to get the practical knowledge and industrial exposure.

1<sup>st</sup> & 2<sup>nd</sup> year Mechanical Engineering students of around 45 nos. of our college would like to visit your esteemed industry on 15.03.2024 (1 day) along with two faculty members.

We request you to kindly grant permission. We will abide your rules and regulations.

Thanking you,



*Received copy*  
*Dr. S. Suresh*  
*Accounts Dept.*



*[Signature]*  
NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)

Yours faithfully  
NARASARAOPET - 522 601,  
Guntur (Dist.) A.P.

*[Signature]*  
PRINCIPAL

PRINCIPAL  
NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPET - 522 601  
Guntur (Dist.), A.P.



**NARASARAOPETA**  
**ENGINEERING COLLEGE**  
(AUTONOMOUS)

**Department of Mechanical Engineering**

Date: 12.03.2024

**Circular**

All the I B.Tech Mechanical Engineering Students are informed that a one day industrial visit to Central Institute of Petrochemicals Engineering & Technology (CIPET) Vijayawada is planned on 15.03.2024. Hence, the students are informed to attend without fail. The same is informed to the faculty concerned.

**Note:** Students must maintain proper dress code (ie. Uniform, ID Card & Shoes)

  
Ind. Visit Co-ordinator

  
H.O.D

**Copy to**

- Chairman, for information
- Principal Office
- AO, for making necessary arrangement
- Circulation among the faculty of Mechanical Engineering Department.
- Department notice boards



  
PRINCIPAL  
NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPETA - 522 601  
Guntur (Dist.), A.P.


**Department of Mechanical Engineering**

Date: 12.03.2024

Circular

All the II B.Tech Mechanical Engineering Students are informed that a one day industrial visit to Central Institute of Petrochemicals Engineering & Technology (CIPET) Vijayawada is planned on 15.03.2024. Hence, the students are informed to attend without fail. The same is informed to the faculty concerned.

**Note:** Students must maintain proper dress code (ie. Uniform, ID Card & Shoes)

  
Ind. Visit Co-ordinator

  
H.O.D

Copy to

- Chairman, for information
- Principal Office
- AO, for making necessary arrangement
- Circulation among the faculty of Mechanical Engineering Department.
- Department notice boards



  
NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPETA - 522 601,  
Guntur (Dist.), A.P.



From,  
Dr.P.Suresh Babu,  
Asso. Professor & Dy. Controller of Exam. Cell (Aut.),  
Industrial Tour Coordinator,  
Dept. of Mechanical Engineering, NEC

12.03.2024

To,  
The Principal,  
NEC

(Through Proper Channel)

Respected Sir,

Sub: Industrial Tour to CIPET Vijayawada – Permission for College Buses

As discussed with you, we have arranged an industrial tour to Central Institute of Petrochemicals Engineering & Technology (CIPET) Vijayawada from our NEC for 1<sup>st</sup> & 2<sup>nd</sup> year B.Tech Mechanical Engineering students. For this, we need your approval for ONE College bus for to and fro travel between NEC and CIPET Vijayawada.

Details are given below:

Date of visit	: 15.03.2024 - Friday (1 day)
No. of students per visit	: Around 45 students and 02 Faculty Members
Starting time at NEC	: 9.15 A.M
Return to NEC	: Around 8 PM

Thanking you,

Yours faithfully

  
(Dr.P.Suresh Babu)

  
PRINCIPAL

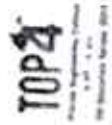
NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPET - 522 601  
Guntur (Dist.), A.P.





**NARASARAOPETA**  
**ENGINEERING COLLEGE**

(AUTONOMOUS)



# Industrial Visit to

# CENTRAL INSTITUTE OF PETROCHEMICALS ENGINEERING & TECHNOLOGY (CIPET) VIJAYAWADA



## I & II Year Students 15<sup>th</sup> March -2024

# Department of Mechanical Engineering



Principal  
NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPETA - 522 501  
Guntur (Dist.), A.P.



NARASARAOPETA ENGINEERING COLLEGE:: NARASARAOPET  
DEPARTMENT OF MECHANICAL ENGINEERING  
Industrial Tour to CIPET, Vijayawada on 15.03.2024  
B.Tech 1st & 2nd Year Student details

SL. NO.	H.T.NO.	Name	Signature
1	23471A0301	KOTAIAH GARI GURU SAI	K. Guru Sai
2	23471A0302	ONTELA HEMANTH KUMAR	O. Hemanth Kumar
3	23471A0303	PARAVASTHU POORNA VISHNU VARDHAN	P. Poorna Vishnu Vardhan
4	23471A0304	SAMPATHIRAO KAUSHIK	S. Kaushik
5	23471A0305	TANNIRU SIVA SAI	T. Siva Sai
6	23471A0306	TIRRI VIVEK	T. Vivek
7	23471A0307	UYYALA ABINASH	U. Abinash
8	22471A0301	PRATHI CHIRANJEEVI	P. Chiranjeevi
9	22471A0303	KOSURI TANUJ	K. Tanuj
10	23475A0301	JAGARLAMUDI RAJA VASANTH	J. Vasanth
11	23475A0302	PAILA SURYANARAYANA	P. Suryanarayana
12	23475A0303	SHAIK MASTAN VALI	Shaik Mastan Vali
13	23475A0304	SHAIK NOORULLA	SK Noorulla
14	23475A0305	MAROTHU TEJOPATHI SASIDHARA RAO	M. Tejopathi Sasidhara Rao
15	23475A0306	PUSALA AJAYKUMAR	P. Ajay Kumar
16	23475A0307	KOYA NAGAPHANINDRA	Nagaphanindra
17	23475A0308	DOSAKAYALA VENKATESWARLU	D. Venkatesh
18	23475A0309	AMBATIPUDI VIJAY KUMAR	A. Vijay Kumar
19	23475A0310	VELLANKI HARSHA VARDHAN	V. Harsha Vardhan
20	23475A0311	BOJJA VENKATA KOTESWARA RAO	B. Koteswara Rao
21	23475A0312	POTHULA VENU BABU	P. Venubabu
22	23475A0313	KOTTE KOTESWARA RAO	K. Koteswara Rao
23	23475A0314	VANA BHARGAV	V. Bhargav
24	23475A0315	BORA SHIVAJI	B. Shivaji
25	23475A0316	GOLI LOKSAI	G. Lok Sai
26	23475A0317	NURUKURTHI NAVEEN SRI KRISHNA	N.N.S. Krishna



SL. NO.	H.T.NO.	Name	Signature
27	23475A0318	PALLI SAI KIRAN	P.Sai Kiran
28	23475A0319	DEVARAKOND VEERA NAGA VENKATESH	V. Venkatesh
29	23475A0320	PERADA MANIKANTA	P. Manikanta
30	23475A0321	VEMULA SANTHI KUMAR	V. Sathi Kumar
31	23475A0322	NIRUJOGI VINOD KUAMR	N. Vinod Kumar
32	23475A0323	SONTI VENKATA GOPI	S.V. Gopi
33	23475A0324	JILLELAMUDI BRAHMAIAH	J. Brahmiah
34	23475A0325	ULLAM NAGA MANIKANTA	Manikanta
35	23475A0326	MITTAPALLI V S Y PAVAN KUMAR	M. Pavan Kumar
36	23475A0327	GARNEPUDI PUSHPARAJ	G. Pushparaj
37	23475A0328	PINDI AJAY BABU	P. Ajay Babu
38	23475A0329	REDDY RAGHU	R. Raghu
39	23475A0330	PAMULA BHAGYA RAJU	Bhagya Raju
40	23475A0331	DANNAVAPU RAMANJANEYULU	D. Ramanjaneyulu
41	23475A0332	GONTINA RAMESH	G. Ramesh
42	23475A0333	GUNDLA VENKATA SIVA KUMAR	G. Siva Kumar
43	23475A0334	GUTHA ANAND BABU	G. Anand Babu
44	23475A0335	PACHIGOLLA GOPALA KRISHNA,	G. P. Lakshmi
45	23475A0336	GOTTAM KARTHIC	Karthic

M. Venka  
Accompanied Faculty-1

Ind. Tour Co-ordinator

Accompanied Faculty-2

H.O.D.

Principal



PRINCIPAL  
NARASARAO PETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAO PETA - 522 601,  
Guntur (Dist.), A.P.



### Press Note

18.03.2024

### ఎన్. ఈ. సీ విద్యార్థుల సీపెట్ విజ్ఞాన విహార యాత్ర

నరసరావుపేట ఇంజనీరింగ్ కళాశాల మెకానికల్ ఇంజనీరింగ్ విభాగం ఆధ్వర్యంలో విద్యార్థుల విజ్ఞాన యాత్రలో భాగంగా మొదటి మరియు రెండవ సంవత్సరం మెకానికల్ ఇంజనీరింగ్ చదువుతున్న విద్యార్థులు విజయవాడ కు సమీపంలో ఉన్న "సెంట్రల్ ఇన్స్టిట్యూట్ ఆఫ్ పెట్రోకెమికల్ ఇంజనీరింగ్ అండ్ టెక్నాలజీ: సెంటర్ ఫర్ స్కిల్లింగ్ అండ్ టెక్నికల్ సపోర్ట్ - విజయవాడ (సీపెట్) (Central Institute of Petrochemicals Engineering and Technology: Centre for Skilling and Technical Support - Vijayawada (CIPET:CSST) ను 15.03.2024 న సందర్శించారని మెకానికల్ విభాగాధిపతి డాక్టర్ బి.వేంకట శివ గారు తెలిపారు తెలియజేశారు.

ఈ సందర్భంగా కళాశాల వైస్ చిప్సిపాల్ డాక్టర్ డి. సునీల్ గారు గారు మాట్లాడుతూ ఈ సీపెట్ అనేది కేంద్ర ప్రభుత్వ రంగ సంస్థ అని, ప్లాస్టిక్ ఇంజనీరింగ్ అండ్ టెక్నాలజీ రంగం లో తగు శిక్షణ ను ఇచ్చి, విద్యార్థులను నిపుణులను గా తయారు చేస్తున్నదని తెలియజేశారు.

కళాశాల ప్రిన్సిపాల్ డాక్టర్ యమ్. శ్రీనివాస కుమార్ గారు మాట్లాడుతూ ఈ సంస్థ అధునాత టెక్నాలజీస్ ని మరియు మెషినరీ ని వాడుతుందని అన్నారు. అలాగే విద్యార్థులు ప్లాస్టిక్ ప్రాసెసింగ్ టెక్నిక్, క్వాలిటీ కంట్రోల్, ఇన్స్పెక్షన్, డిజైన్, టూల్ రూమ్, తదితర డిపార్ట్మెంట్స్ ని సందర్శించి వివిధ రకాల ప్లాస్టిక్ వస్తువులు మరియు వాటి ప్రాసెసింగ్ విధానాల గురించి తెలుసుకున్నారని అన్నారు.

కళాశాల వైస్ చైర్మన్ శ్రీ మిథుపల్లి చక్రవర్తి గారు మాట్లాడుతూ ఈ సీపెట్ రివర్స్ ఇంజనీరింగ్, మోల్డ్ షో ఎనాలిసిస్, రాపిడ్ ప్రోటోటైపింగ్, వార్ప్ ఎనాలిసిస్, కంపోసిట్స్, నాన్-కంపోసిట్స్, బయో-పాలిమెర్స్, ఈ-వేఫ్, రీసైకింగ్, వంటి ఏరియా లలో రీసెర్చ్ చేసి దేశాన్ని ప్రగతి పథం లో ముందుకు నడపడానికి కృషి చేస్తున్నదని తెలియజేశారు. అటువంటి ఈ గొప్ప సంస్థ తో ఎన్.ఈ.సీ "ఎం.ఓ.యూ (MOU-అవగాహన ఒప్పందం) కుదుర్చుకొన్న విషయాన్ని ఈ సందర్భంగా గుర్తు చేశారు.

సెక్రటరీ శ్రీ మిథుపల్లి రమేష్ బాబు గారు మాట్లాడుతూ శిక్షణ ద్వారా విద్యార్థుల మరియు అధ్యాపకుల ప్రొఫెషనల్ స్కిల్స్ ని బాగా పెంచడం లో ఈ సంస్థ కు మంచి పేరుందని అన్నారు

కళాశాల చైర్మన్ శ్రీ మిథుపల్లి వెంకట కోటేశ్వరరావు గారు విద్యార్థులకు ఈ సందర్శనావకాశాన్ని ఇచ్చినందుకు సీపెట్ యాజమాన్యానికి కృతజ్ఞతలు తెలియజేశారు. అలాగే విద్యార్థులను మరియు ఈ విజ్ఞాన విహార యాత్రల సమన్వయకర్త డాక్టర్ పి సురేష్ బాబు గారిని అభినందించారు.

Dr. B.Venkata Siva  
Head – Mechanical Eng. Dept., NEC  
Cell: 9692464540

  
PRINCIPAL



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NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPET - 522 601  
Guntur (Dist.), A.P.

  
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Guntur (Dist.), A.P.

Report on Industrial Visit to CIPET by NEC 1<sup>st</sup> & 2<sup>nd</sup> B.Tech  
Mechanical Engineering Students on 15th March 2024

As a part of Academics students are required to visit industries in order to get the practical knowledge and industrial exposure. Hence, 45 students of 1<sup>st</sup> & 2<sup>nd</sup> year B.Tech students of Mechanical Engineering had visited the "Central Institute of Petrochemicals Engineering & Technology (CIPET), Vijayawada" on 15<sup>th</sup> March 2024, accompanied by two faculty members through college bus.

The industry is located near Vijayawada of Krishna District, A.P. The detailed address is given below:

Address:

Mr. Balu J  
VTC In-charge  
CIPET:CSTS, Vijayawada  
Email: [stccipetvijayawada@gmail.com](mailto:stccipetvijayawada@gmail.com)

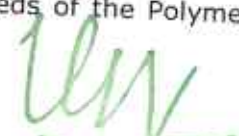
**About the CIPET:**

Central Institute of Petrochemicals Engineering & Technology (CIPET) (formerly known as Central Institute of Plastics Engineering & Technology (CIPET)) was established in 1968 by Government of India with the assistance of United Nations Development Programme (UNDP) at Chennai.

The main objective of setting up of this specialized institute was to develop manpower in different disciplines of Plastics Engineering & Technology as no similar institute was in existence in the country. International Labour Organization (ILO) served as the executing agency.

During the initial project period between 1968 and 1973, the institute achieved the targets envisaged and was rated as one of the most successful UNDP projects implemented worldwide. Today CIPET is a premier Academic institution for higher & technical education under the Ministry of Chemicals & Fertilizers, Govt. of India fully devoted in all the domains of plastics viz:- Design, CAD/CAM/CAE, Tooling & Mould Manufacturing, Production Engineering, Testing and Quality Assurance. CIPET operates from various locations spread across the country to cater the needs of the Polymer and allied industries.



  
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## SHORT TERM SKILL DEVELOPMENT PROGRAM

IPET's mission is in line with the National Policy on Petrochemicals - to increase trained manpower for catering to the demand of the industry and thus in turn increasing employability while contributing towards the nation's growth. In order to cater to the needs of the ever-growing Plastics and allied industries nationally, CIPET has evolved a range of training programs. This has made us one of the only nationally recognized institute to provide workforce training which combines Vocational Training Programs with Industry Skills Updating Programs.

### Areas skill development programs:

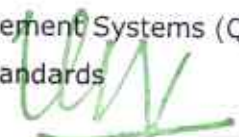
- Design / Tooling / CAD / CAM / CNC Program
- Product Development / Processing of Plastics / Machine Maintenance
- Testing and Quality Improvement
- Welding & Fabrication
- Electrical, Electronics, Hardware & Networking
- Industrial Automation & Maintenance
- Information & Communication Technology

These skill development programmes conducted at CIPET centres are National Skills Qualifications Framework (NSQF) aligned and approved by National Skills Qualifications Committee (NSQC).

Armed with an excellent infrastructure in terms of technology and highly qualified engineers / scientists, CIPET renders technical, consultancy and advisory services to polymer and allied industries in different fields of Polymer Science & Technology such as:

- Application development in all disciplines of Plastics Engineering & Technology
- Testing and standardization for Plastics materials and products
- Design and development of moulds and dies
- Material selection for new products
- Machinery and equipment selection
- Setting up of tool room / processing industries
- New trends in Plastics processing technology
- Technical Support to the industry in product design / mould design, product failure analysis with the help of CAD / CAM / CAE
- Training Programmes on QMS & Internal Audit and measurement of uncertainty in testing laboratory
- Consultancy Services on implementation of Quality Management Systems (QMS)
- Setting up of laboratory as per National & International Standards



  
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## FACILITIES / DEPARTMENTS IN CIPET

### PROCESSING

CIPET Centres are equipped with the state-of-the-art machinery for processing like two color Injection moulding machinery, microprocessor-controlled machinery, all electric machinery, multilayer blown film machinery, stretch blow moulding machinery, rotomolding machinery, etc.

As a measure of providing hands on training to the students on commercial moulding using various process parameters and processing of different plastic materials, CIPET is undertaking precision job orders in the areas of:

- Inspection and evaluation of moulds and dies and moulding of precision components.
- Testing of mouldability and optimization of processing conditions / parameters.

### TESTING

Equipped with the advanced appliances for Plastics Testing, CIPET has focussed on a wide range of testing which are accredited with ISO/IEC - 17025 Guidelines by National Accreditation Board for Testing and Calibration Laboratories (NABL). CIPET also gives the complete scope of investigation of polymers, plastics and composites and gives best administrations to the Plastic and unified ventures by embracing assignments of plastics materials/items/composites testing according to reputed National and Global models.

CIPET's Plastics Testing Center (PTC) is a standout amongst other plastics testing organizations in Asia. CIPET's testing labs are accredited with ISO/IEC-17025 standards by National Accreditation Board for Testing and Calibration Laboratories (NABL) and furthermore approved by Bureau of Indian Standards (BIS) for third party certification of plastic products as per various Indian standards.



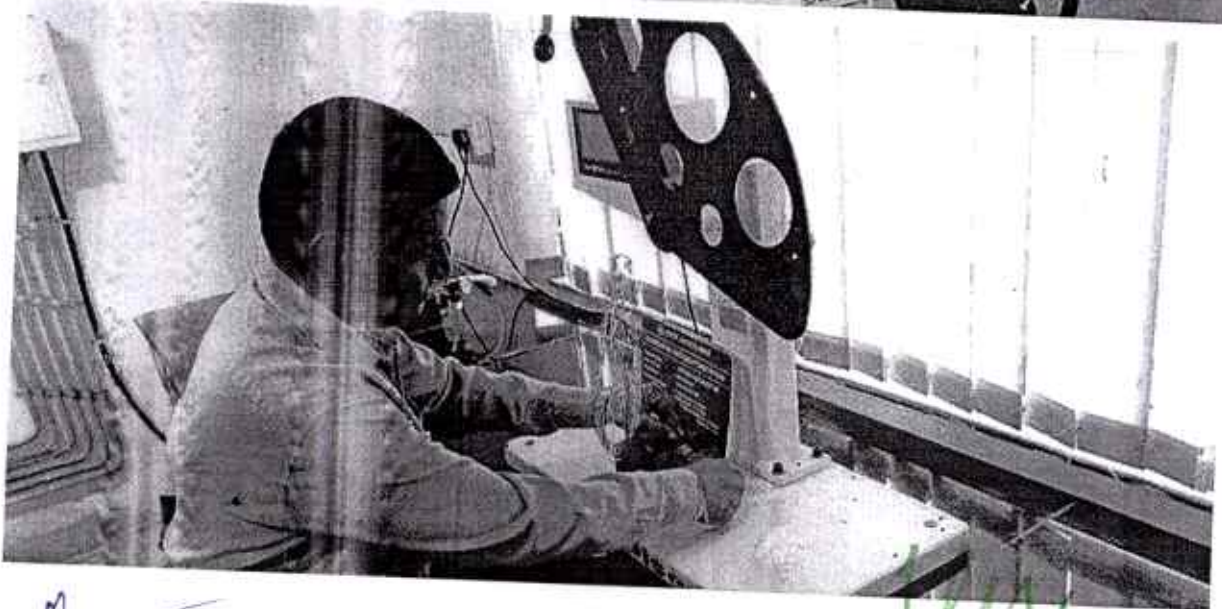
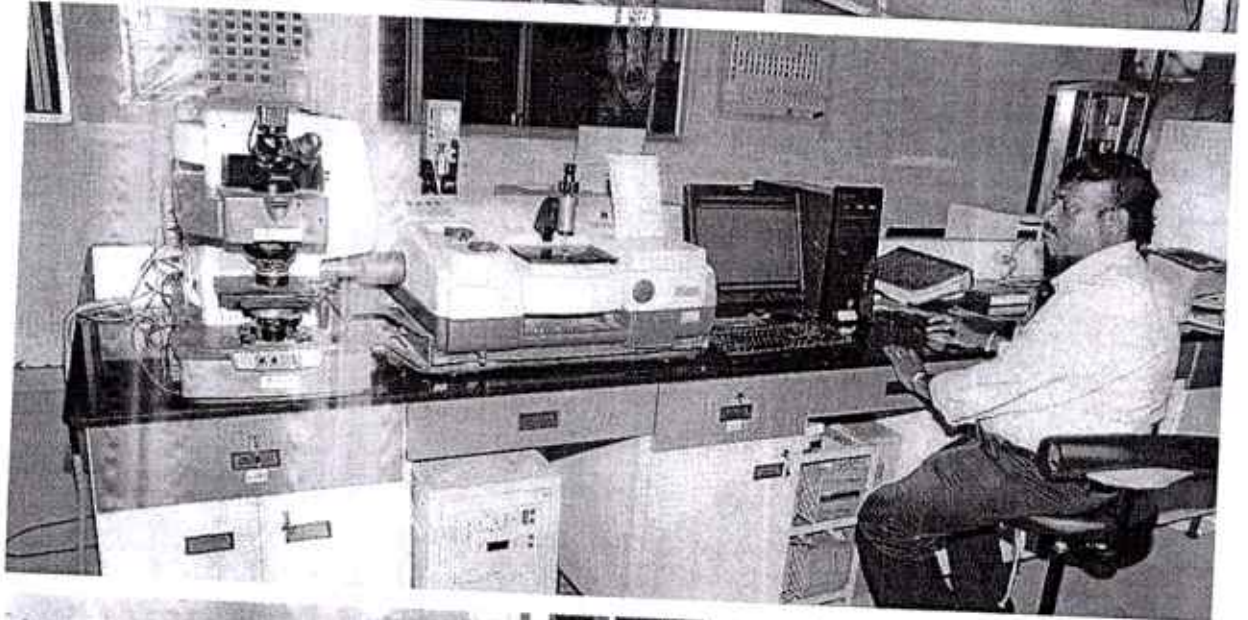
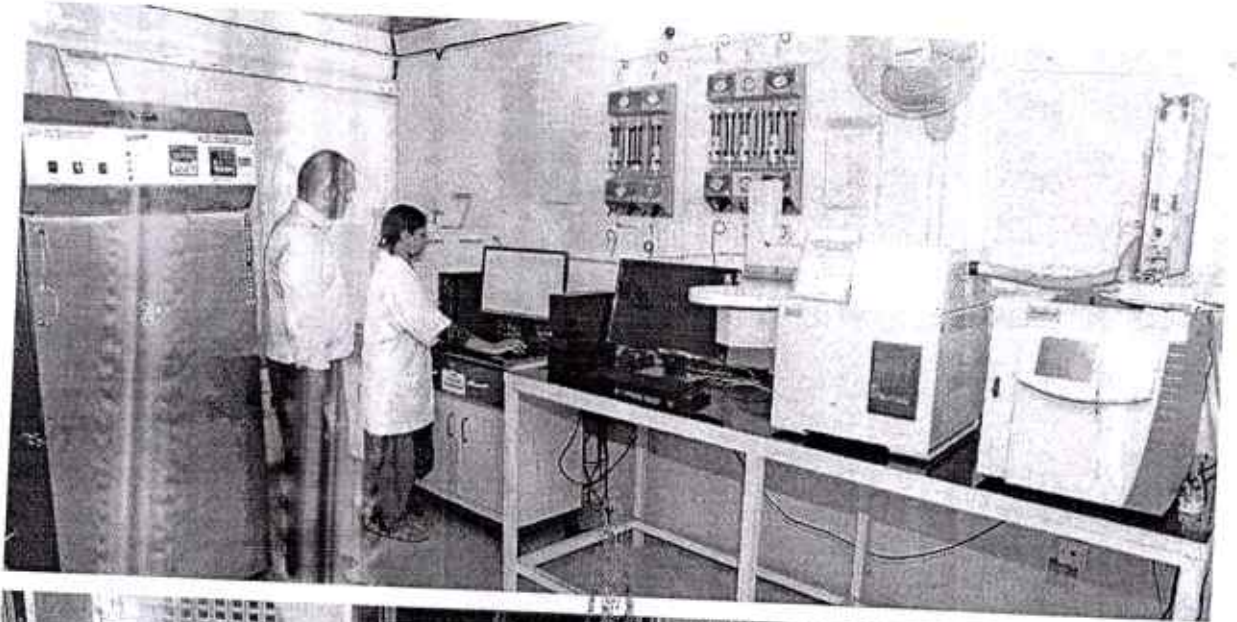
A handwritten signature in green ink, appearing to be 'U.S.V.' or similar.

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**INDUSTRIAL VISIT**  
**TO**  
**Mahanandi PVC Pipes**  
**((Shanthi Nagar, Palapadu))**

**On 05.02.2024**

**by**

**2nd Year (2022-2026 Batch)**  
**Mechanical Engineering Students**



  
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# NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O), NARASARAOPET-522 601, Palnadu Dist., A.P.  
(Sponsored by Gayatri Educational Development Society), Narasaraopet.



Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada. Code : 47, NIRF Ranking 251 - 300 Band  
Accredited by NBA (CSE, ECE) & NAAC "A+" Grade, ISO 9001 : 2015 Certified Institution.

08647-239904

Visit us at : [www.nrtec.in](http://www.nrtec.in)

e-mail : [principal@nrtec.in](mailto:principal@nrtec.in)

To

Mr. K. Anji Reddy.  
Mahanandi PVC Pipes  
Shanthi Nagar, SH 45, Nakarikallu Mandal  
Andhra Pradesh 522603

Dated: 01.02.2024

Dear Sir,

Sub: Request to visit your Mahanandi PVC Pipes - Reg.

\*\*\*

The Narasaraopeta Engineering College was established in the year 1998, approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A+' Grade by NAAC and Accredited four times by NBA. NEC accorded 'AUTONOMOUS' status since 2016. NEC is ranked among top 300 engineering institutions in India rankings (NIRF 2022, 251-300 band) by Ministry of Education, Govt. of INDIA. Also NEC ranked as top 4th Private Engineering College in AP as per Times Engineering Institute Ranking Survey-2022. INDIA TODAY Ranked NEC as 178 among Private Engineering Colleges in INDIA. The college offers Seven M.Tech programmes, Two PG courses of MCA, MBA and Ten courses at B.Tech level in the branches CSE, CSE(AI), CSE(AI&ML), CSE (DS), CSE (Cyber Security), IT, ECE, ME, EEE and CIVIL.

As a part of Academics students are required to visit industries in order to get the practical knowledge and industrial exposure.

2nd year Mechanical Engineering students of around 36 nos. of our college would like to visit your esteemed industry on 05.02.2024 (1 day) along with two faculty members.

We request you to kindly grant permission. We will abide your rules and regulations.

Thanking you,

Yours faithfully



*[Signature]*  
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NARASARAOPET - 522 601  
Guntur (Dist.), A.P.

*[Signature]*  
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e-mail : [principal@nrtec.in](mailto:principal@nrtec.in)

To

Dated: 01.02.2024

Mr. K. Anji Reddy,  
Mahanandi PVC Pipes  
Shanthi Nagar, SH 45, Nakarikallu Mandal  
Andhra Pradesh 522603

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Thanking you,

NARASARAOPETA ENGINEERING COLLEGE  
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Guntur (Dist.), A.P.

Yours faithfully

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**Department of Mechanical Engineering**

Date: 02.02.2024

**Circular**

All the II B.Tech Mechanical Engineering Students are informed that a one day industrial visit to Mahanandi PVC Pipes (after Ravipadu) SH 45, Shanthi Nagar, Nakarikallu Mandal, A.P – 522603, is planned on 05.02.2024. Hence, the students are informed to attend without fail. The same is informed to the faculty concerned.

**Note:** Students must maintain proper dress code (ie. Uniform, ID Card & Shoes)



**Ind. Visit Co-ordinator**

  
**H.O.D**

**Copy to**

- Chairman, for information
- Principal Office
- AO, for making necessary arrangement
- Circulation among the faculty of Mechanical Engineering Department.
- Department notice boards

  
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NARASARAOPETA - 522 601  
Guntur (Dist.), A.P.

From,  
Dr.P.Suresh Babu,  
Asso. Professor & Dy. Controller of Exam. Cell (Aut.),  
Industrial Tour Coordinator,  
Dept. of Mechanical Engineering  
NEC

03.02.2024

To,  
The Principal  
NEC

(Through Proper Channel)

Respected Sir,

**Sub: Industrial Tour to Mahanandi Pipes – Permission for College Buses**

As discussed with you, we have arranged the industrial tour to Mahanandi PVC Pipes (after Ravipadu) SH 45, Shanthi Nagar, Nakarikallu Mandal, A.P - 522603 from our NEC for 2nd year B.Tech Mechanical Engineering students. For this, we need your approval for one College bus for to and fro travel between NEC and Mahanandi Pipes.

**Visit details are given below:**

Date of visit	: <u>05.02.2024</u>
No. of students per visit	: Around 36 students and 02 Faculty Members
Starting time at NEC	: <u>10.00 AM</u>
Return to NEC	: <u>Around 12.30 PM</u>

Thanking you,

Yours faithfully



Dr.P.Suresh Babu

Forwarded  
  
3/2

  
5/2/24



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**NARASARAOPETA** NBA  
**ENGINEERING COLLEGE**  
(AUTONOMOUS)



**Industrial visit to**

**MAHANANDI PIPES**

SH 45, SHANTHI NAGAR PALNADU (D.T)

**II YEAR STUDENTS**



**05-02-2024**



**Department of Mechanical Engineering**

*[Signature]*



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NARASARAOPETA ENGINEERING COLLEGE:: NARASARAOPET  
DEPARTMENT OF MECHANICAL ENGINEERING  
Industrial Tour to Mahanandi Pipes on 05.02.2024  
B.Tech 2nd Year Student details

SL. NO.	H.T.NO.	Name	Signature
1	22471A0301	PRATHI CHIRANJEEVI	P. Chiranjeevi
2	22471A0303	KOSURI TANUJ	K. Tanuj
3	23475A0301	JAGARLAMUDI RAJA VASANTH	J. Vasanth.
4	23475A0302	PAILA SURYANARAYANA	P. Suryanarayana
5	23475A0303	SHAIK MASTAN VALI	S. Mastan Vali
6	23475A0304	SHAIK NOORULLA	SK. Noorulla
7	23475A0305	MAROTHU TEJOPATHI SASIDHARA RAO	H. Tejopathi Sasidhara Rao
8	23475A0306	PUSALA AJAYKUMAR	P. Ajay Kumar
9	23475A0307	KOYA NAGAPHANINDRA	K. Nagaphanindra
10	23475A0308	DOSAKAYALA VENKATESWARLU	D. Venkateswarlu
11	23475A0309	AMBATIPUDI VIJAY KUMAR	A. Vijay Kumar
12	23475A0310	VELLANKI HARSHA VARDHAN	V. Harsha Vardhan
13	23475A0311	BOJJA VENKATA KOTESWARA RAO	B. V. Koteswara Rao
14	23475A0312	POTHULA VENU BABU	P. Venu Babu
15	23475A0313	KOTTE KOTESWARA RAO	K. Koteswara Rao
16	23475A0314	VANA BHARGAV	V. Bhargav
17	23475A0315	BORA SHIVAJI	B. Shivaji
18	23475A0316	GOLI LOKSAI	G. Loksai
19	23475A0317	NURUKURTHI NAVEEN SRI KRISHNA	N. N. S. Koti Shree
20	23475A0318	PALLI SAI KIRAN	P. Sai Kiran
21	23475A0319	DEVARAKOND VEERA NAGA VENKATESH	V. Venkatesh
22	23475A0320	PERADA MANIKANTA	P. Manikanta

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SL. NO.	H. T. NO.	Name	Signature
23	23475A0321	VEMULA SANTHI KUMAR	V. Santhi Kumar
24	23475A0322	NIRUJOGI VINOD KUAMR	N. Vinod Kumar
25	23475A0323	SONTI VENKATA GOPI	S. Venkata Gopi
26	23475A0324	JILLELAMUDI BRAHMAIAH	J. Brahmaiah
27	23475A0325	ULLAM NAGA MANIKANTA	U. Nagamanikanta
28	23475A0326	MITTAPALLI V S Y PAVAN KUMAR	M. Pavan Kumar
29	23475A0327	GARNEPUDI PUSHPARAJ	G. Pushparaj
30	23475A0328	PINDI AJAY BABU	P. Ajay Babu
31	23475A0329	REDDY RAGHU	R. Raghu
32	23475A0330	PAMULA BHAGYA RAJU	P. Bhagyaraju
33	23475A0331	DANNAVARAPU RAMANJANEYULU	D. Ramaneyulu
34	23475A0332	GONTINA RAMESH	G. Ramesh
35	23475A0333	GUNDLA VENKATA SIVA KUMAR	G. Venkata Siva Kumar
36	23475A0334	GUTHA ANAND BABU	G. Anand Babu
37	23475A0335	PACHIGOLLA GOPALA KRISHNA,	P. Gopala Krishna
38	23475A0336	GOTTAM KARTHIK	G. Kartik

Accompanied Faculty-1

  
Ind. Tour Co-ordinator

Accompanied Faculty-2

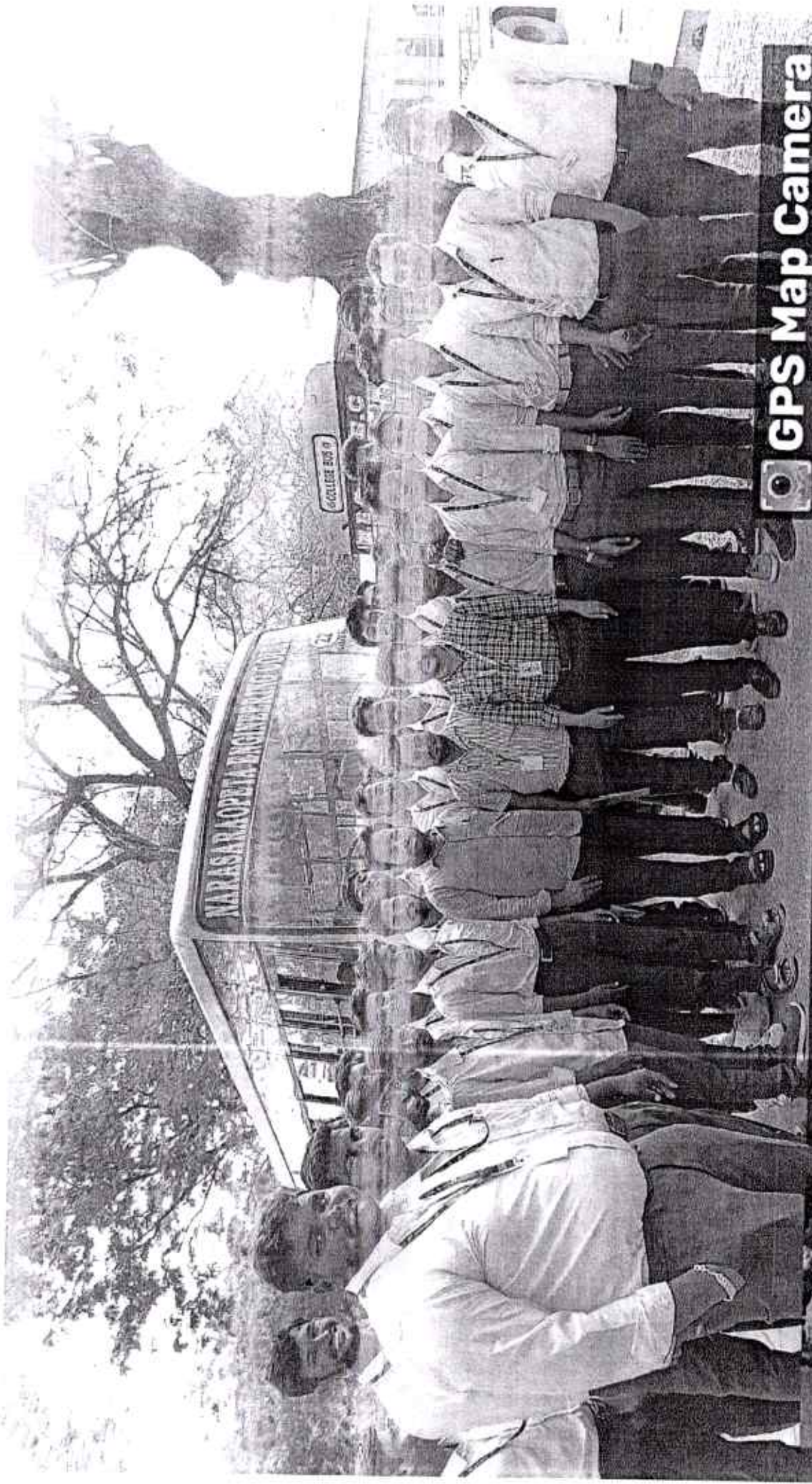
  
H.O.D.

  
Principal



  
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 **GPS Map Camera**

**Narasaraopeta, Andhra Pradesh, India**

**Narasaraopeta Engineering college,yellamanda,522601**

**Lat 16.199622°**

**Long 80.055713°**

**05/02/24 10:47 AM GMT +05:30**

MAHARAJA SRI RAJESWARARAO  
ENGINEERING COLLEGE  
YELAMANDA  
NARASARAOPETA  
ANDHRA PRADESH - 522601







 **GPS Map Camera**

Shanthy Nagar, Andhra Pradesh, India  
NH 167A, Shanthi Nagar, Andhra Pradesh 522603, India  
Lat 16.281603°  
Long 79.992427°  
05/02/24 11:35 AM GMT +05:30



Google

SHANTHI NAGAR  
RADICAL  
SAR  
WALL





 **GPS Map Camera**

**Shanthi Nagar, Andhra Pradesh, India**  
**NH 167A, Shanthi Nagar, Andhra Pradesh 522603, India**  
**Lat 16.28162°**  
**Long 79.992517°**  
**05/02/24 11:36 AM GMT +05:30**





**Report on Industrial Visit to Mahanandi Pipes by NEC**  
**2<sup>nd</sup> Year B.Tech Mechanical Engineering Students on**

As a part of Academics students are required to visit industries in order to get the practical knowledge and industrial exposure. Hence, around 36 students of II year II Semester students of Mechanical Engineering had visited the Mahanandi Pipes, Shanthi Nagar on 05.02.2024 accompanied by two faculty members.

The industry is located in Guntur District, A.P. The address is given below:

**Address:**

Mr. K. Anji Reddy,  
Mahanandi PVC Pipes  
Shanthi Nagar,  
SH 45, Nakarikallu Mandal  
Andhra Pradesh 522603



## Mahanandi pvc pipes

Directions Save

5.0 ★★★★★ 1 Google review

PVC industry in Andhra Pradesh

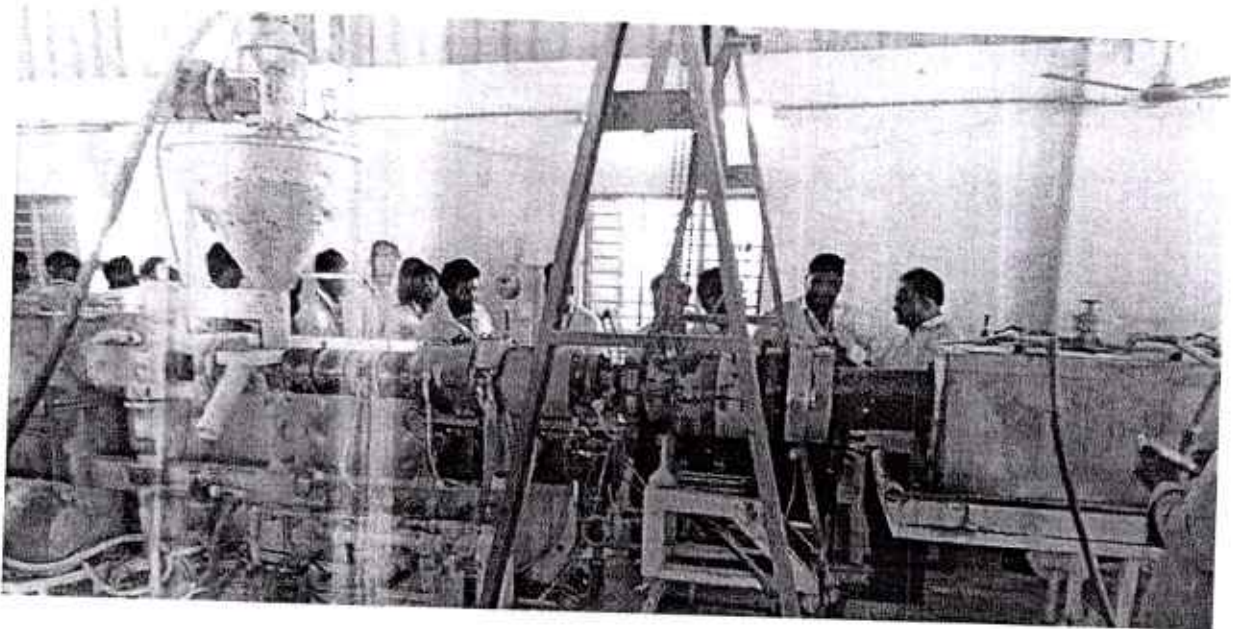
**Address:** SH 45, Shanthi Nagar, Andhra Pradesh 522603

**About the company:**

This company produces various types and sizes of PVC pipes to suit to various applications.. The related images are given below



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PVC pipes are commonly used for manufacturing sewage pipes, water mains and irrigation. Possessing very long-lasting properties, PVC pipes are easy to install, lightweight, strong, durable and easily recyclable, making them cost-efficient and sustainable. The smooth surface of PVC pipes also encourages faster water flow due to lower amounts of friction than piping made from other materials such as cast iron or concrete. PVC pipes can also be manufactured to varying lengths, wall thicknesses and diameters, according to international sizing standards such as DIN 8061, ASTM D1785 and ASTM F441.

In the PVC Pipe manufacturing, the raw materials are PVC resin, DOP, Stabilizers, Processing acids, Lubricants, Colours, Fillers. Electricity and water is also required


PVC pipes are manufactured by extrusion of raw material PVC, and generally follow the same steps of typical pipe extrusion operations:

- Feeding of raw material pellets / powder into the PVC twin screw extruder
- Melting and heating in multiple extruder zones
- Extruding through a die to shape into a pipe
- Cooling of the shaped pipe
- Cutting of PVC pipes to the desired length

**Conclusion:**

Students are satisfactorily understood all the machinery, processes and how the pvc pipes are manufacturing etc., in this plant



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Press Note

07.02.2024

## ఎన్. ఈ. సీ విద్యార్థుల " మహానంది పైప్ " విజ్ఞాన విహార యాత్ర

విద్యార్థుల విజ్ఞాన యాత్రలో భాగంగా నరసరావుపేట ఇంజనీరింగ్ కళాశాల లో రెండవ సంవత్సరం ఇంజనీరింగ్ చదువుతున్న విద్యార్థులు నకరికల్లు కు సమీపంలో ఉన్న "మహానంది PVC పైప్" ను సందర్శించారని మెకానికల్ విభాగాధిపతి డాక్టర్ బి.వేంకట శివ గారు తెలియజేశారు.

ఈ సందర్భంగా కళాశాల వైస్ చీఫ్ డాక్టర్ డి. సునీల్ గారు మాట్లాడుతూ విద్యార్థులు ఈ ఇండస్ట్రీలోని పలు రకాల యంత్రాలను అవి పనిచేసే విధానాలను పరిశీలించి తాము పొందిన పుస్తక పరిజ్ఞానంతో సరి పోల్చుకొన్నారని తెలిపారు.

కళాశాల ప్రీన్సిపాల్ డాక్టర్ యమ్. శ్రీనివాసు కుమార్ గారు మాట్లాడుతూ ఈ పైప్ కి కావలసిన మెటీరియల్స్ PVC రెసిన్, DOP, ఫైబిలైజర్స్, ప్రొసెసింగ్ ఆసిడ్స్, ల్యూబ్రికెంట్స్, కలర్స్, ఫిల్లర్స్ అని అన్నారు. అలాగే ఈ పైప్ తయారీ లో మొదటగా ముడి పదార్థమైన పెల్లెట్స్ లేదా పొడి ని PVC ట్వీన్ స్క్రూ ఎక్స్ట్రుడర్ (Twin Screw Extruder) లోనికి పంపించడం, తర్వాత వేడి చేసి కరిగించడం, ఒక మెటల్ డ్రై ద్వారా పంపించి పైప్ షేప్ కి మార్చి, కూల్ చేసి, కావలసిన పొడుగుకి కట్ చేయడం ద్వారా మనకు కావలసిన పైప్ తయారు అవుతుందని తెలియజేశారు.

కళాశాల వైస్ చైర్మన్ శ్రీ మిథపల్లి చక్రవర్తి గారు మాట్లాడుతూ విద్యార్థులకు క్షేత్రస్థాయిలో పరిశ్రమలపై అవగాహన కల్పించేందుకు ఈ సందర్భానలు ఎంతగానో తోడ్పడతాయని, విద్యార్థులకు పరిశ్రమలకు మధ్య ఉన్న అంతరాన్ని తగ్గించి విద్యార్థుల యొక్క మేధో సంపత్తిని పెంపొందిస్తాయని, తద్వారా విద్యార్థులకు ఉద్యోగ అవకాశాలు పెరుగుతాయన్నారు.

కళాశాల సెక్రటరీ శ్రీ మిథపల్లి రమేష్ బాబు గారు మాట్లాడుతూ ప్రతి సెమిస్టర్ లో కనీసం ఒక పరిశ్రమను తప్పనిసరిగా విద్యార్థులందరూ సందర్శించేలా కార్యాచరణ ప్రణాళికను రూపొందించామన్నారు.

కళాశాల చైర్మన్ శ్రీ మిథపల్లి వెంకట కోటేశ్వరరావు గారు విద్యార్థులకు ఈ సందర్భానావకాశాన్ని ఇచ్చినందుకు మహానంది PVC పైప్ యాజమాన్యానికి కృతజ్ఞతలు తెలియజేశారు. అలాగే ఈ విహార యాత్రలో పాల్గొన్న విద్యార్థులను మరియు ఈ విజ్ఞాన విహార యాత్రల సమన్వయకర్త డాక్టర్ పి.సురేష్ బాబు గారిని అభినందించారు.

Dr. B.Venkata Siva  
Head – Mechanical Eng. Dept., NEC  
Cell: 9692464540

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Guntur (Dist.), A.P.



INDUSTRIAL VISIT  
TO  
MITTAPALLI SPINNERS

On 06.11.2023

by

2nd Year (2022-2026 Batch)

Mechanical Engineering Students



  
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(AUTONOMOUS)  
NARASARAOPETA - 522 601.  
Guntur (Dist), A.P.





# NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Kotappakonda Road, Yellamanda (PO), NARASARAOPET-522 601, Palnadu Dist., A.P.  
(Sponsored by Gayatri Educational Development Society), Narasaraopet.



Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada. Code : 47, NIRF Ranking 251 - 300 Band  
Accredited by NBA (CSE, ECE) & NAAC "A+" Grade, ISO 9001 : 2015 Certified Institution.  
08647-239904 Visit us at : [www.nrtec.in](http://www.nrtec.in) e-mail : [principal@nrtec.in](mailto:principal@nrtec.in)

**Dr. M. SREENIVASA KUMAR**  
M.Tech., Ph.D. (UK), MISTE, FIE (I)  
PRINCIPAL

To

Dated: 04.11.2023

The General Manager,  
Mittapalli Spinners Limited,  
Kotappakonda Road,  
China Turakapalem(P.O),  
Narasaraopet-522 601,  
Guntur Dist., A.P.

Dear Sir,

Sub: Request to visit your Mittapalli Spinners Limited - Reg.

The Narasaraopeta Engineering College was established in the year 1998, approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A+' Grade by NAAC and Accredited four times by NBA. NEC accorded 'AUTONOMOUS' status since 2016. NEC is ranked among top 300 engineering institutions in India rankings (NIRF 2022, 251-300 band) by Ministry of Education, Govt. of INDIA. Also NEC ranked as top 4th Private Engineering College in AP as per Times Engineering Institute Ranking Survey-2022. INDIA TODAY Ranked NEC as 178 among Private Engineering Colleges in INDIA. The college offers Seven M.Tech programmes. Two PG courses of MCA, MBA and Ten courses at B.Tech level in the branches CSE, CSE(AI), CSE(AI&ML), CSE (DS), CSE(Cyber Security), IT, ECE, ME, EEE and CIVIL.

As a part of Academics students are required to visit industries in order to get the practical knowledge and industrial exposure.

2<sup>nd</sup> year Lateral students of all the branches of our college would like to visit your esteemed industry on 06.11.2023 (Mech & Civil), 07.11.2023 (EEE, IT, AI, AIML, DS & CS) and 10.11.2023 (ECE & CSE) of around 60 students per day along with two faculty members.

We request you to kindly grant permission. We will abide your rules and regulations.

Thanking you.

Yours faithfully



*[Signature]*  
PRINCIPAL

*[Signature]*  
PRINCIPAL

NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS) NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPET - 522 601 Guntur (Dist.), A.P. NARASARAOPET - 522 601,  
Guntur (Dist.), A.P.



# NARASARAOPETA ENGINEERING COLLEGE

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**Dr. M. SREENIVASA KUMAR**  
M.Tech., Ph.D. (UK), MISTE, FIE (I)  
PRINCIPAL

To

Dated: 04.11.2023

The General Manager,  
Mittapalli Spinners Limited,  
Kotappakonda Road,  
China Turakapalem(P.O).  
Narasaraopet-522 601,  
Guntur Dist., A.P.

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We request you to kindly grant permission. We will abide your rules and regulations.

Thanking you,



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Yours faithfully  
  
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**Department of Mechanical Engineering**

Date: 03.11.2023

**Circular**

All the II B.Tech Mechanical Engineering Students are informed that a one day industrial visit to **Mittapalli Spinners**, Narasaraopet, is planned on 06.11.2023. Hence, the students are informed to attend without fail. The same is informed to the faculty concerned.

**Note:** Students must maintain proper dress code (ie. Uniform, ID Card & Shoes)

  
**Ind. Visit Co-ordinator**

  
**H.O.D**

**Copy to**

- Chairman, for information
- Principal Office
- AO, for making necessary arrangement
- Circulation among the faculty of Mechanical Engineering Department.
- Department notice boards



  
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NARASARAOPETA - 522 601.  
Guntur (Dist.), A.P.

From,  
Dr.P.Suresh Babu,  
Asso. Professor & Dy. Controller of Exam. Cell (Aut.),  
Industrial Tour Coordinator,  
Dept. of Mechanical Engineering  
NEC

04.11.2023

To,  
The Principal  
NEC

(Through Proper Channel)

Respected Sir,

**Sub:** Industrial Tour to Mittapalli Spinners – Permission for College Buses

As discussed with you, we have arranged the industrial tour to Mittapalli Spinners, Narasaraopet from our NEC for 2<sup>nd</sup> year lateral B.Tech students of all the branches on **06.11.2023** (Mech & Civil), **07.11.2023** (EEE, IT, AI, AIML, DS & CS) and **10.11.2023** (ECE & CSE). For this, we need your approval for our College bus for to and fro travel between NEC and Mittapalli Spinners.

**Visit details are given below:**


Dates of visit	: 06 <sup>th</sup> , 7 <sup>th</sup> & 10 <sup>th</sup> Nov 2023 - One bus per day
No. of students per visit	: Around 60 students and 02 Faculty Members
Starting time at NEC	: 10.00 AM
Return to NEC	: Around 12.30 PM

Thanking you,

Yours faithfully

  
Dr.P.Suresh Babu



  
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Guntur (Dist.), A.P.





**NARASARAOPETA  
ENGINEERING COLLEGE**

(AUTONOMOUS)



**Industrial Visit to**

**MITTAPALLI SPINNERS**

**(III Year Students)**

**6th November, 2023**



**MITTAPALLI  
SPINNERS LTD**  
Narasaraopet (A.P) India

**Organized by: Dept. of Mechanical Engineering**

*[Signature]*



*[Signature]*  
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Guntur (Dist) - A.P.



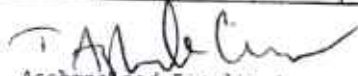
NARASARAOPETA ENGINEERING COLLEGE:: NARASARAOPET  
 DEPARTMENT OF MECHANICAL ENGINEERING  
 Industrial Tour to Mittapalli Spinners on 06.11.2023  
 B.Tech 2nd Year lateral student details

SL. NO.	H. T. NO.	Name	Signature
1	23475A0301	JAGARLAMUDI RAJA VASANTH	J. Vasanth
2	23475A0302	PAILA SURYANARAYANA	P. Suryanarayana
3	23475A0303	SHAIK MASTAN VALI	Sh. Mastan Vali
4	23475A0304	SHAIK NOORULLA	Sh. Noorulla
5	23475A0305	MAROTHU TEJOPATHI SASIDHARA RAO	M. Tejopathi Sasidhara Rao
6	23475A0306	PUSALA AJAYKUMAR	P. Ajay Kumar
7	23475A0307	KOYA NAGAPHANINDRA	K. Nagaphanindra
8	23475A0308	DOSAKAYALA VENKATESWARLU	ABSENT
9	23475A0309	AMBATIPUDI VIJAY KUMAR	A. Vijay Kumar
10	23475A0310	VELLANKI HARSHA VARDHAN	V. Harsha Vardhan
11	23475A0311	BOJJA VENKATA KOTESWARA RAO	B.V. Koteswara Rao
12	23475A0312	POTHULA VENU BABU	P. Venu Babu
13	23475A0313	KOTTE KOTESWARA RAO	K. Koteswara Rao
14	23475A0314	VANA BHARGAV	V. Bhargav
15	23475A0315	BORA SHIVAJI	B. Shivaji
16	23475A0316	GOLI LOKSAI	G. Lok Sai
17	23475A0317	NURUKURTHI NAVEEN SRI KRISHNA	N. N. S. Krishna
18	23475A0318	PALLI SAI KIRAN	
19	23475A0319	DEVARAKOND VEERA NAGA VENKATESH	ABSENT
20	23475A0320	PERADA MANIKANTA	P. Mani Kantu
21	23475A0321	VEMULA SANTHI KUMAR	V. Santika Kumar
22	23475A0322	NIRUJOGI VINOD KUAMR	N. Vinod Kumar
23	23475A0323	SONTI VENKATA GOPI	S. Venkata Gopi
24	23475A0324	JILLELAMUDI BRAHMAIAH	J. Brahmaiah
25	23475A0325	ULLAM NAGA MANIKANTA	U. Naga Manikanta
26	23475A0326	MITTAPALLI V S Y PAVAN KUMAR	M. Pavan Kumar
27	23475A0327	GARNEPUDI PUSHPARAJ	G. Pushparaj
28	23475A0328	PINDI AJAY BABU	P. Ajay Babu
29	23475A0329	REDDY RAGHU	R. Raghu
30	23475A0330	PAMULA BHAGYA RAJU	P. Bhagya Raju
31	23475A0331	DANNAVARAPU RAMANJANEYULU	D. Ramanjaneyulu





SL. NO.	H. T. NO.	Name	Signature
32	23475A0332	GONTINA RAMESH	G. Ramesh
33	23475A0333	GUNDLA VENKATA SIVA KUMAR	G. Venkata siva kumar
34	23475A0334	GUTHA ANAND BABU	G. Anand Babu
35	23475A0335	PACHIGOLLA GOPALA KRISHNA,	P. Gopatekrishna
36	23475A0336	GOTTAM KARTHIK	G. Kartik

  
Accompanied Faculty-1

Accompanied Faculty-2

  
Ind. Tour Co-ordinator

  
H.O.D

  
Principal



  
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**Report on Industrial Visit to Mittapalli Spinners by NEC II B.Tech  
Mechanical Engineering Students (2022 Batch) on 06.11.2023**

As a part of Academics students are required to visit industries in order to get the practical knowledge and industrial exposure. Hence, 36 nos. of II Year I Semester students of Mechanical Engineering had visited the Mittapalli Spinners Limited, Narasaraopet on 06.11.2023 accompanied by two faculty members.

The industry is located near Narasaraopet of Guntur District, A.P. The address of Mittapalli Spinners is given below:

**Address of Kumar Pumps**

The General Manager,  
Mittapalli Spinners Limited,  
Kotappakonda Road,  
China Turakapalem(P.O),  
Narasaraopet-522 601,  
Guntur Dist., A.P.  
Ph.: 08647-222450, 9581442 701, 9652616666  
Email : gm@mittapallispinners.com

**About the company:**

Mittapalli Spinners Limited is a Public incorporated and is classified as Non-govt Company. It is involved in Spinning, weaving and finishing of textiles. It produce high quality yarn of all types by using raw cotton

**Machinery & The Process Details:**

The following are the details of machinery and process details

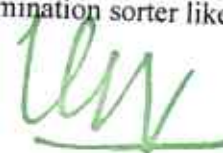
- Mixing:

An uniform end product consistently from highly variable characteristics of input fibres, mixing of different lots is done.

- Blow room:

Blow room consists state of art machines that carry out Opening, Cleaning, thorough Mixing and decreasing the tuft size smaller and smaller, to feed material to Carding uniformly and continuously. Blow Room line is equipped with world class technology cotton contamination sorter like JOSSI.



  
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- Carding:

"Card is the heart of the spinning mill" and "Well carded is half spun" are two proverbs of the experts. The purpose of Carding is to open tufts to individual fibres, neps reduction, elimination of dust and orientation of fibres into sliver form. In Our Installation we are having a flexibility to run different processes.

- Br. Drawing:

The object of draw frame is to double and draft the slivers and thereby make even sliver and parallelization of fibres i.e. hooks created at Carding are removed. The Machines are equipped with 1000mm cans to avoid no. of joints which directly effects quality of final yarn.

- Lap Former:

The object of Lap Former is preparation of Lap from slivers with optimum parallelized fibres and feeding of trailing hooks from Carding as leading hooks at Comber to reduce long fibre loss in the noil.

- Comber:

Combing is the process which is used to upgrade the raw material and to produce an improvement in yarn quality by elimination of short fibres, elimination of remaining impurities and elimination of neps.

- Fr. Drawing:

The object of Fr. draw frame is to double and draft the slivers and thereby make even sliver, parallelization of fibres and auto levelling of linear density variations in feeding to get constant linear density of output sliver.

- Simplex:

The object of Simplex is to produce roving suitable to feed Ring frame by means of attenuation - drafting of sliver, twisting the drafted strand and winding the twisted roving on a bobbin. The machinery is equipped with automatic tension controls to produce better quality of roving in order to get best quality of yarn.



A handwritten signature in green ink.

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NARASARAOPETA - 522 601.

Guntur (Dist.), A.P.



**Conclusion:**

Students are satisfactorily understood all the processes and the products available in the factory.

----- X -----

*Am*

*[Signature]*

*[Signature]*  
**IQAC**

*[Signature]*  
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e-mail : principal@nrtec.in

**Dr. M. SREENIVASA KUMAR**  
M.Tech., Ph.D. (UK), MISTE, FIE (I)  
PRINCIPAL

## Press Note

06.11.2023

### ఎన్. ఈ. సీ విద్యార్థుల "మిథపల్లి స్పిన్నర్స్" విజ్ఞాన విహార యాత్ర

నరసరావుపేట ఇంజనీరింగ్ కళాశాల మెకానికల్ ఇంజనీరింగ్ విభాగం ఆధ్వర్యంలో విద్యార్థుల విజ్ఞాన యాత్రలో భాగంగా రెండవ సంవత్సరం మెకానికల్ ఇంజనీరింగ్ చదువుతున్న విద్యార్థులు నరసరావుపేట కు సమీపంలో ఉన్న "మిథపల్లి స్పిన్నర్స్ లిమిటెడ్" ను ఈ రోజు అనగా 06.11.2023 న సందర్శించారని మెకానికల్ విభాగాధిపతి డాక్టర్ బి.వెంకట శివ గారు తెలియజేశారు.

ఈ సందర్భంగా కళాశాల వైస్ ప్రిన్సిపాల్ డాక్టర్ డి. సునీల్ గారు మాట్లాడుతూ ఈ మిథపల్లి స్పిన్నర్స్ అనే సంస్థ దుస్తుల తయారీకి అవసరమైన క్వాలిటీ "నూలు" ని వీలైనంత తక్కువ ధరకే తయారు చేస్తుందని అన్నారు. అలాగే, వివిధ రకాలైన నూలు ని దేశ విదేశాలకి, వారి అంచనాలకు తగ్గట్లుగా తయారు చేసి సరఫరా చేస్తుందని తెలియజేశారు.


కళాశాల ప్రిన్సిపాల్ డాక్టర్ యమ్. శ్రీనివాస కుమార్ గారు మాట్లాడుతూ ఈ సంస్థ ప్రఖ్యాత LMW మెషిన్ల ని, సరికొత్త సెన్సార్లని మరియు అధునాత టెక్నాలజీస్ ని ఈ నూలును తయారు చేయడానికి వాడుతుందని అన్నారు. అలాగే విద్యార్థులు మిక్సింగ్, బ్లో రూమ్, కార్టింగ్, లాప్ ఫార్మర్, కూమ్మింగ్, స్పిన్నింగ్, ఆటోకానెర్ తదితర యంత్రాలను మరియు నూలు ప్రాసెస్ విధానాల గురించి తెలుసుకున్నారని అన్నారు.

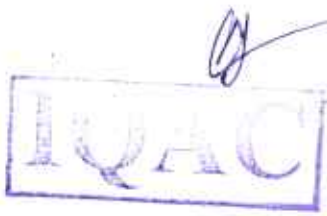
కళాశాల వైస్ చైర్మన్ శ్రీ మిథపల్లి చక్రవర్తి గారు మాట్లాడుతూ విద్యార్థులకు క్షేత్రస్థాయిలో పరిశ్రమలపై అవగాహన కల్పించేందుకు ఈ సందర్భానలు ఎంతగానో తోడ్పడతాయని, విద్యార్థులకు పరిశ్రమలకు మధ్య ఉన్న అంతరాన్ని తగ్గించి విద్యార్థుల యొక్క మేధో సంపత్తిని పెంపొందిస్తాయని, తద్వారా విద్యార్థులకు ఉద్యోగ అవకాశాలు పెరుగుతాయన్నారు.


సెక్రటరీ శ్రీ మిథపల్లి రమేష్ బాబు గారు మాట్లాడుతూ ప్రతి సెమిస్టర్ లోనూ కనీసం ఒక పరిశ్రమను విద్యార్థులందరూ తప్పనిసరిగా సందర్శించేలా కార్యాచరణ ప్రణాళికను రూపొందించామన్నారు.

కళాశాల చైర్మన్ శ్రీ మిథపల్లి వెంకట కోటేశ్వరరావు గారు విద్యార్థులకు ఈ సందర్భానావకాశాన్ని ఇచ్చినందుకు మిథపల్లి స్పిన్నర్స్ కు కృతజ్ఞతలు తెలియజేశారు. అలాగే విద్యార్థులను మరియు ఈ విజ్ఞాన విహార యాత్రల సమన్వయకర్త డాక్టర్ పి. సురేష్ బాబు గారిని అభినందించారు.

Dr. B.Venkata Siva  
Head - Mechanical Eng. Dept., NEC  
Cell: 9692464540

  
PRINCIPAL  
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NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPET - 522 601  
Guntur (Dist.), A.P.



  
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NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPET - 522 601  
Guntur (Dist.), A.P.



INDUSTRIAL VISIT  
TO  
Railway Workshop  
(Guntur)

On  
28<sup>th</sup> July 2023 & 24<sup>th</sup> Aug. 2023

by  
3<sup>rd</sup> Year (2021-25 Batch) &  
4<sup>th</sup> Year (2020-24 Batch)  
Mechanical Engineering Students

  
IQAC

  
PRINCIPAL  
NARASARAO PETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAO PETA - 522 601.  
Guntur (Dist.), A.P.





# NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS)



Kotappakonda Road, Yellamanda (P.O), NARASARAOPET-522 601, Palnadu Dist., A.P.  
(Sponsored by Gayatri Educational Development Society), Narasaraopet.

Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada. Code : 47, NIRF Ranking 251 - 300 Band  
Accredited by NBA (CSE, ECE) & NAAC "A+" Grade, ISO 9001 : 2015 Certified Institution.

☎ 08647-239904

Visit us at : [www.nrtec.in](http://www.nrtec.in)

e-mail : [principal@nrtec.in](mailto:principal@nrtec.in)

To

Date: 22.07.2023

Sr. Divisional Mechanical Engineer,  
Rail Vikas Bhavan,  
DRM Office,  
Pattabhipuram,  
Guntur. A.P - 522006

Dear Sir,

Sub: Request to visit your Railway Workshop – Reg.

\*\*\*

Narasaraopeta Engineering College (Autonomous), Narasaraopet established in the year 1998. Ranked as top 4<sup>th</sup> Engineering College in A.P, Accredited by NBA and NAAC with A+ grade, NIRF Ranked, approved by AICTE, New Delhi etc., The college offers 10 UG courses (CIVIL, EEE, ME, ECE, CSE, I.T, CSE (AI), CSE (AI & ML), DS, Cyber Security, PG Courses M.Tech (S.E, P&ID, T.E, MD, DECS, DSCE, CSE), MBA and MCA courses.

As a part of Academics students are required to visit industries in order to get the practical knowledge and industrial exposure.

3<sup>rd</sup> & 4<sup>th</sup> year Mechanical Engineering students of our college would like to visit your esteemed industry for 3 days. For 3<sup>rd</sup> year students, we need any one day from July 24<sup>th</sup> to 29<sup>th</sup> and for 4<sup>th</sup> year students any two days after 15<sup>th</sup> Aug. 2023. One batch per day and each batch consists of around 50 students & two faculty members.

We request you to kindly grant permission and confirm the dates of visit as per your convenience. We will abide your rules and regulations.

Thanking you,

Yours faithfully,

  
PRINCIPAL

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(AUTONOMOUS)  
NARASARAOPET - 522 601  
Guntur (Dist.), A.P.



  
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(AUTONOMOUS)  
NARASARAOPET - 522 601  
Guntur (Dist.), A.P.





# NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Kota Pakkanda Road, Yellinwanda (PO), NARASARAOPETA-522 601, Palnadu Dist., A.P.  
(Sponsored by Gayatri Educational Development Society), Narasaraopeta.



Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakatiya Code: 47, NIRF Ranking 251 - 300 Band  
Accredited by NBA (CSE, ECE, EE, ME) & NAAC 'A+' Grade, ISO 9001:2015 Certified Institution

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Visit us at : [www.nrtec.in](http://www.nrtec.in)

e-mail : [principal@nrtec.in](mailto:principal@nrtec.in)

To

Sr. Divisional Mechanical Engineer,  
Rail Vikas Bhavan,  
DRM Office,  
Partabpittam,  
Guntur, A.P. - 522006

*Special Summary  
nominated to Learning  
to + Faculty for  
26-7-23  
K.R.P.*

Date: 27.07.2023

Senior Section Engineer (CSE)  
P.F. Yellinwanda  
S.C. Railway, Guntur

*K. S. H. Sanyal  
SSR/engines*

Dear Sir,

Sub: Request to visit your Railway Workshop - Reg.

\*\*\*

Narasaraopeta Engineering College (Autonomous), Narasaraopeta established in the year 1998. Ranked as top 4<sup>th</sup> Engineering College in A.P. Accredited by NBA and NAAC with A+ grade. NIRF Ranked, approved by AICTE, New Delhi etc., The college offers 10 UG courses (CIVIL, EEE, ME, ECE, CSE, I.T, CSE (AI), CSE (AI & ML), DS, Cyber Security), PG Courses M.Tech (S.E, P&ID, T.E, MD, DECS, DSCE, CSE), MBA and MCA courses.

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We request you to kindly grant permission and confirm the dates of visit as per your convenience. We will abide your rules and regulations.

Thanking you,

Yours faithfully,

*Permitted at their  
own safety and precautions  
with respect to safety  
measures prevailing in  
the industry*

*M. Jayaram*  
PRINCIPAL

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NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPETA - 522 601  
Palnadu District, A.P.

ADM/EC/CL/...

25.7.23



 **NARASARAOPETA**  
**ENGINEERING COLLEGE**  
(AUTONOMOUS)

**Department of Mechanical Engineering**

Date: 26.07.2023

**Circular**

All the III B.Tech Mechanical Engineering Students are informed that a one day industrial visit to Railway Workshop is planned on 28.07.22. Hence, the students are informed to attend without fail. The same is informed to the faculty concerned.

**Note:** Students must maintain proper dress code (ie. Uniform, ID Card & Shoes)

  
Ind. Visit Co-ordinator

  
H.O.D

**Copy to**

- Chairman, for information
- Principal Office
- AO, for making necessary arrangement
- Circulation among the faculty of Mechanical Engineering Department.
- Department notice boards



  
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(AUTONOMOUS)  
NARASARAOPETA - 522 601.  
Guntur (Dist.), A.P.

**Department of Mechanical Engineering**

Date: 22.08.2023

**Circular**

All the IV B.Tech Mechanical Engineering Students are informed that a one day industrial visit to Railway Workshop is planned on 24.08.22. Hence, the students are informed to attend without fail. The same is informed to the faculty concerned.

**Note:** Students must maintain proper dress code (ie. Uniform, ID Card & Shoes)

  
Ind. Visit Co-ordinator

  
H.O.D

**Copy to**

- Chairman, for information
- Principal Office
- AO, for making necessary arrangement
- Circulation among the faculty of Mechanical Engineering Department.
- Department notice boards

  
**IQAC**

  
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(AUTONOMOUS)  
NARASARAOPET - 522 601.  
Guntur (Dist.), A.P.



From,  
Dr.P.Suresh Babu,  
Asso. Professor & Dy. Controller of Exam. Cell (Aut.),  
Industrial Tour Coordinator,  
Dept. of Mechanical Engineering, NEC

23.08.2023

To,  
The Principal,  
NEC

(Through Proper Channel)

Respected Sir,

Sub: Industrial Tour to Railway Workshop – Permission for College Bus

As discussed with you, we have arranged the industrial tour to Railway Workshop, Pattabhipuram, Guntur, from our NEC for 4<sup>th</sup> year B.Tech Mechanical Engineering students. For this, we need your approval for two College buses for to and fro travel between NEC and Railway Workshop (around 50 km from NEC).

Details are given below:

Date of visit : 24.08.2023 - Thursday (4<sup>th</sup> year students)  
No. of students per visit : Around 100 students & 04 Faculty Members (2 Bus)  
Starting time at NEC : 9.30 A.M  
Return to NEC : Around 5 PM

Thanking you,

Yours faithfully



(Dr.P.Suresh Babu)

To  
P. Srinivasa Rao,  
Arrange.

  
23/8/23

  
23/8



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NARASARAGPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAGPETA - 522 601,  
Guntur (Dist.), A.P.





**NARASARAOPETA  
ENGINEERING COLLEGE**

(AUTONOMOUS)



**Industrial visit to**

# **RAILWAY CARRIAGE & WAGON REPAIR SHOP**

**Guntur**

**(III Year Students)**

**28<sup>th</sup> July, 2023**

**Department of**

**Mechanical Engineering**



*[Handwritten signature]*



*[Handwritten signature]*

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NARASARAOPETA - 522 601  
Guntur (Dist.), A.P.





**NARASARAOPETA  
ENGINEERING COLLEGE**

(AUTONOMOUS)



**Industrial Visit to**

# **RAILWAY CARRIAGE & WAGON**

**Guntur**

**(IV Year Students)**

**24<sup>th</sup> August, 2023**

**Department of**

# **Mechanical Engineering**



*[Signature]*

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NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

NARASARAOPETA - 522 601

Guntur (Dist.), A.P.

NARASARAOPETA ENGINEERING COLLEGE:: NARASARAOPET  
DEPARTMENT OF MECHANICAL ENGINEERING  
Industrial Tour to Railway Workshop, Pattabhipuram, Guntur on 28.07.2023  
B.Tech 3rd Year section student Details

SL. No.	H.T.NO.	Student Name	Signature
1	21471A0301	ANGIREKULA VEERANJANEYULU	A. Veeranjaneyulu
2	21471A0302	BATTULA YUVA RAJU	B. YUVA RAJU
3	21471A0303	BOMMIREDDY VENU	B. Venu
4	21471A0304	JEEDIMALLA SRI LAKSHMI NILENDRA	J. Nilendra
5	21471A0305	KONATHAM VENKATA NARAYANA	K. Venkata Narayana
6	21471A0306	KUNCHALA ANKA RAO	K. Anka Rao
7	21471A0307	PATHAN RIYAZ	P. RIYAZ
8	21471A0309	SASAPU SAI SANTOSH	S. SAI SANTOSH
9	21471A0310	SOUBHAGYAPU SAI RAM	S. Sai Ram
10	21471A0311	MUNAGA RAMANJANEYULU	M. Ramanjaneyulu
11	21471A0312	YELCHURI HEMALATHA MEGHANA	Y.H. Meghana
12	21471A0314	ALLAM TIRUMALA RAJU	A. Raju
13	22475A0301	LUKALAPURAMBABU	L. Rambabu
14	22475A0302	THUNUGUNTLANAGA THARUN	T. Tharun
15	22475A0303	MAILAVARAPUPAVAN KALYAN	M. Kalyan
16	22475A0304	KOLLIGOWRI SANKARA RAO	K. Sankara Rao
17	22475A0305	VANTAKUGANAPATHI LAKSHMI	V. Lakshmi
18	22475A0306	SYEDHUSSAIN	S. Hussain
19	22475A0307	BEHERASANJAY KUMAR	B. Sanjay Kumar
20	22475A0308	YASAMMANIKANTA	Y. Manikanta
21	22475A0309	MALLADIGOPI PURNA	M. Gopi Purna
22	22475A0310	UNGATILOKESH	U. Lokesh
23	22475A0311	RAMAVATHNAIK	R. Vathnaik
24	22475A0312	PASALASYAM KUMAR	P. Syam Kumar
25	22475A0313	THURIMELLAVAMSI GANESH	T. Vamsiganesh
26	22475A0314	KUKKAMALLAKARTHIK	K. Karthik
27	22475A0315	VUTLAKISHORE	V. Kishore
28	22475A0316	DHARMANAAPPALA NAIDU	D. Appala Naidu
29	22475A0317	NIKKUSURESH	N. Suresh
30	22475A0318	GORANTLASIVA KOTESWARA RAO	G. Sivakoteswar
31	22475A0319	POGUNOLLAKARUN KUMAR	P. Karun
32	22475A0321	BANDLAMUDIRAJU	B. Naga Raju
33	22475A0322	BOJJABABU	B. Babu
34	22475A0323	ATHULURIRAMARAO	A. P. V. R.
35	22475A0324	BATTULALAKSHMI NARAYANA	B. Lakshmi Narayana

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(AUTONOMOUS)  
NARASARAOPETA - 522 601  
Guntur (Dist.) A.P.



SL. No.	H.T.NO.	Student Name	Signature
36	22475A0325	GUDIKANDULAANJANEYULU	G. Anjaneyulu
37	22475A0326	AYINAMPUDIKISHORE BABU	A. Kishore Babu
38	22475A0327	KETHABOYINAMAHESH	K. Mahesh
39	22475A0328	SHAIKBABULAL	S. Babulal
40	22475A0329	BANDARUVENU GOPAL	
41	22475A0330	YADAVALLILOKESH	Y. Lokesh
42	22475A0331	CHoudAMVENKATESH	
43	22475A0332	CHATTIMURALI KRISHNA	Ch. Murali Krishna
44	22475A0333	DARAMPRUDHVI KRISHNA	D. Prudhvi Krishna
45	22475A0334	SHAIKNAGUR BASHA	S. Nagur Basha
46	22475A0335	GOLLAPUDISARATH KUMAR	G. Sarath Kumar
47	22475A0336	ADAKAVINOD	A. Vinod
48	22475A0337	JANNIARUN	J. Arun
49	22475A0338	NOWPADAMEGHANADH	N. Meghanadh
50	22475A0339	BALAGAYUGANDHAR	B. Yugandhar
51	22475A0340	NEYVELAKUMAR BEHERA	N. Kumar
52	22475A0341	KUNITIPAVAN KUMAR	K. Pavan Kumar
53	22475A0342	BHUKYADIWAKAR NAIK	B. Diwakar Naik
54	22475A0343	VOONANARENDRA	V. Narendra
55	22475A0344	CHANDARLAPATIGANESH	Ch. Ganesh
56	22475A0345	BALAGAMOHAN	B. Mohan
57	22475A0346	BOMMALIMAHESH	B. Mahesh
58	22475A0347	DUDDETINAGA SAI	D. Nagasai
59	22475A0348	BASWADILLESWARA RAO	B. Dilleswararao
60	22475A0349	KORRAPATIMOHAN KRISHNA	K. Mohan Krishna
61	22475A0350	NAKKANABOINANAGA SRIDHAR	N. Sridhar
62	22475A0351	GONDUGANESH PAVAN	G. Pavan
63	22475A0352	L. SRINIVAS	L. Srinivas

Accompanied Faculty-1

Accompanied Faculty-2



Ind. Tour Co-ordinator

  
H.O.D.

  
Principal



  
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(AUTONOMOUS)  
NARASARAOPETA - 522 601  
Guntur (Dist.), A.P.

NARASARAOPETA ENGINEERING COLLEGE:: NARASARAOPET  
 DEPARTMENT OF MECHANICAL ENGINEERING  
 Industrial Tour to Railway Workshop on 24.08.2023  
 B.Tech 4thYear "B" section student Details

SL. NO.	H. T. NO.	Name	Signature
1	20471A0357	ATCHYUTHA PAVAN KUMAR	A. Pavan Kumar
2	20471A0358	BALLE RAMANJANEYULU	B. Ramanjaneyulu
3	20471A0359	BANDARU SAI GANESH	
4	20471A0360	BERAM NARENDRA REDDY	B. NARENDRA Reddy
5	20471A0361	CHEBROLU MANIKANTA SAI NITHIN	Ch. Nithin
6	20471A0362	CHENNAMSETTY GOPI	CH. Gopi
7	20471A0363	GANGULA SUNNY	G. Sunny
8	20471A0364	GANJI HANUMA KOTI GANESH	G. Hanuma koti Ganesh
9	20471A0365	GANNNAVARAPU JAYA SRIKANTH	
10	20471A0366	GUTTIKONDA AYYAPPA REDDY	G. Ayyappa
11	20471A0367	MADDINENI AJAY	M. Ajay
12	20471A0368	MANNEPALLI VEERA NARASIMHA	M. Veera Narasimha
13	20471A0369	MARAGANI NAGA THIRUMALA RAO	M. P. Thirumala Rao
14	20471A0370	PARELLA BALA GURAVAI AH	P. Bala Guravaiah
15	20471A0371	SETLAM RANENDRA VAMSHI	S. Ranendra Vamshi
16	20471A0372	SHAIK GUTHIKONDA SALIM	S. G. Salim
17	20471A0373	SHAIK JAKIR	Sh. Jakir
18	20471A0374	SHAIK MOHAMMAD TAHEER	S. M. Taher
19	20471A0375	THOTA SRIVAMSI NADH	T. Sri Vamsi Nadh
20	20471A0376	YAKKANTI SAI KIRAN REDDY	
21	21475A0301	PALLAPOTHU SAIKIRAN YADAV	P. Sai Kiran
22	21475A0302	SYED SARDAR VALI	Sardar Vali
23	21475A0303	DERANGULA GOPI KRISHNA	D. Gopi Krishna
24	21475A0305	SHAIK ADIL	S. Adil
25	21475A0306	JANAPAREDDI PRASAD	J. Prasad
26	21475A0307	REPALLE YASHWANTH	R. Yashwanth
27	21475A0308	RAMAVATHU PAVAN KUMAR NAIK	R. Pavan Kumar
28	21475A0309	NELAVALLI VIKAS	N. Vikas





NARASARAOPETA ENGINEERING COLLEGE:: NARASARAOPET  
 DEPARTMENT OF MECHANICAL ENGINEERING  
 Industrial Tour to Railway Workshop on 24.08.2023  
 B.Tech 4thYear "A" section student Details

SL. NO.	H.T.NO.	Name	Signature
1	20471A0301	ALAVALA ADITHYA VARA PRASAD	
2	20471A0302	BATTULA RAJESH	B. Rajesh
3	20471A0303	BHIMAVARAPU HEMANTH KUMAR	B. Hemantu
4	20471A0304	BONAM JAYA PRAKASH	Prakash. B
5	20471A0305	BOYAPATI PAVAN KUMAR	B. Pavan Kumar
6	20471A0306	DADDANALA VEERANJIREDDY	D. Veeranjireddy
7	20471A0307	DERANGILA PARDHU GANESH	Pardhu ganesh
8	20471A0308	DOPPALAPUDI S S NAGA RAVITEJA	D.S.S. Naga Raviteja
9	20471A0309	EEDARA MOHAN SAI	E. moham sai
10	20471A0310	GANESH SAI PAVAN	Sai Pavan
11	20471A0312	GERA KOTESWARA RAO	Koteswara Rao
12	20471A0313	KARASALA PRASANTH	K. Prasant
13	20471A0314	KARASANI PAVAN KUMAR REDDY	P. Prasant
14	20471A0315	KATTA MAHESWAR	K. Maheswar
15	20471A0317	KESARI DHANUNJAYA REDDY	R. Dhanunjaya
16	20471A0318	KOMARAGIRI SASIKUMAR	K. Sasi Kumar
17	20471A0319	KOMERA SIVA NAGARAJU	Sivanagaraju
18	20471A0320	KOTHA GOPI	K. Gopi
19	20471A0321	KUNDURTHI NAVEEN	Naveen
20	20471A0323	MADANU JOSEPH VINAY KUMAR	M. Vinay Kumar
21	20471A0324	MADDUMALA RAMAKRISHNA	Ramakrishna
22	20471A0325	MAGANTI SASI PAVAN	M. Sasi Pavan
23	20471A0326	MAKKENA SAMBASIVA RAO	M. Sambasiva Rao
24	20471A0327	MIRIYALA SASHANK	M. Sashank
25	20471A0328	NALLA ABHIRAM CHOWDARY	Abhiram
26	20471A0329	NUTHAKKI RAKESH	Rakesh



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SL. NO.	H.T.NO.	Name	Signature
27	20471A0330	ARAVAPALLI SAI SRINIVAS	A. Srinivas
28	20471A0331	PALETI JOHN HOSANNA	P. John
29	20471A0332	PERUMAALLA SRIKANTH	P. Srikanth
30	20471A0333	POLURI KRISHNA CHAITHANYA	P. Krishna Chaitanya
31	20471A0334	PONNAGANTI CHANDU HARSHA VARDHAN	P. Chandu
32	20471A0336	PATHAN MEERA VALI	P. Meera Vali
33	20471A0337	POTTIMURTHI PURNA CHANDRA RAO	P. Purna
34	20471A0338	PRUDHVI DURGA BHARATH CHANDAN	Prudhvi Durga
35	20471A0339	RAMAVATHU BADDUNAİK	R. Baddu
36	20471A0341	SHAIK APPAPURAM MAHABOOB SUBHANI	Sk. Subhani
37	20471A0343	SHAIK GANGARAM ABDUL RAHAMAN	Sk. Abdul Rahman
38	20471A0344	SHAIK GULLAPALLI NAGURVALI	G. Nagurvali
39	20471A0345	SHAIK LAL AHAMAD BASHA	Sk. Lal Basha
40	20471A0346	SHAIK MAHAMMAD FAREED	Sk. Fareed
41	20471A0348	SHAIK MANISHA	S. MANISHA
42	20471A0349	SHAIK PARVEZ	Sk. Parvez
43	20471A0350	SHAIK SADHIK	Sk. Sadhik
44	20471A0352	TIPPIREDDY AMARNATHREDDY	T. Amarnath
45	20471A0353	VADLAVALI GANESH	V. Ganesh
46	20471A0354	VEERAGANDHAM VENKATA MANIKANTA	V. Venkatesh
47	20471A0356	ADAKA GOPIRAJU	A. Gopi Raju

Accompanied Faculty-1

  
Ind. Tour Co-ordinator

Accompanied Faculty-2

  
H.O.D.

  
Principal



  
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**Report on Industrial Visit to**  
**Railway Carriage & Wagon repair shop, Guntur**  
**by NEC III & IV Mechanical Engineering Students**  
**in July & Aug 2023**

As the part of industrial visit in every semester to get practical knowledge and industrial exposure, the III & IV Year (1<sup>st</sup> Semester) Mechanical Engineering students of NEC, visited the Railway Carriage & Wagon repair shop, Guntur on 28th July 2023 & 24th Aug. 2023 by 3<sup>rd</sup> year & 4<sup>th</sup> year by around 150 students accompanied by two faculty members per a batch of 50 nos. of students

Its address is given below:

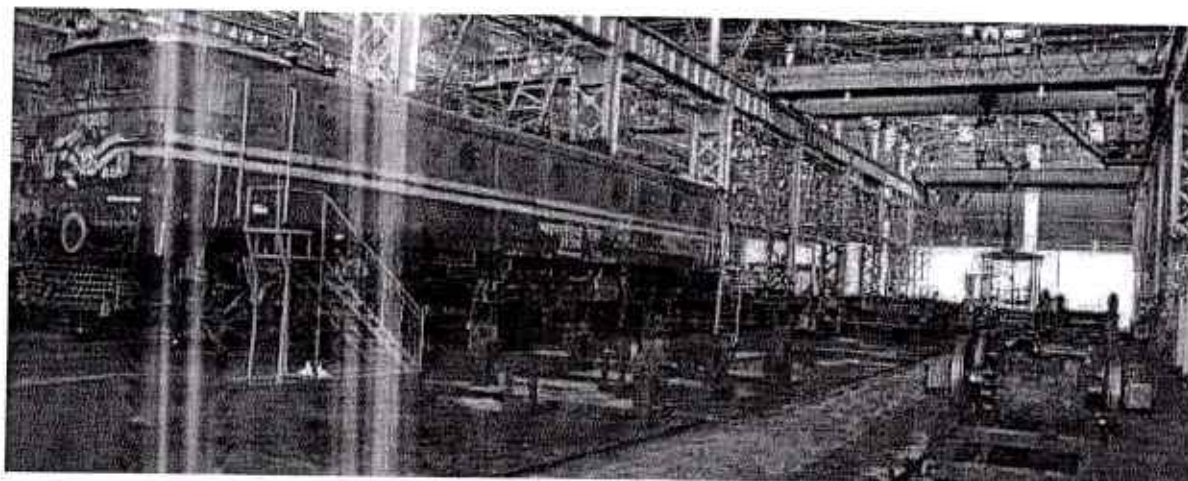
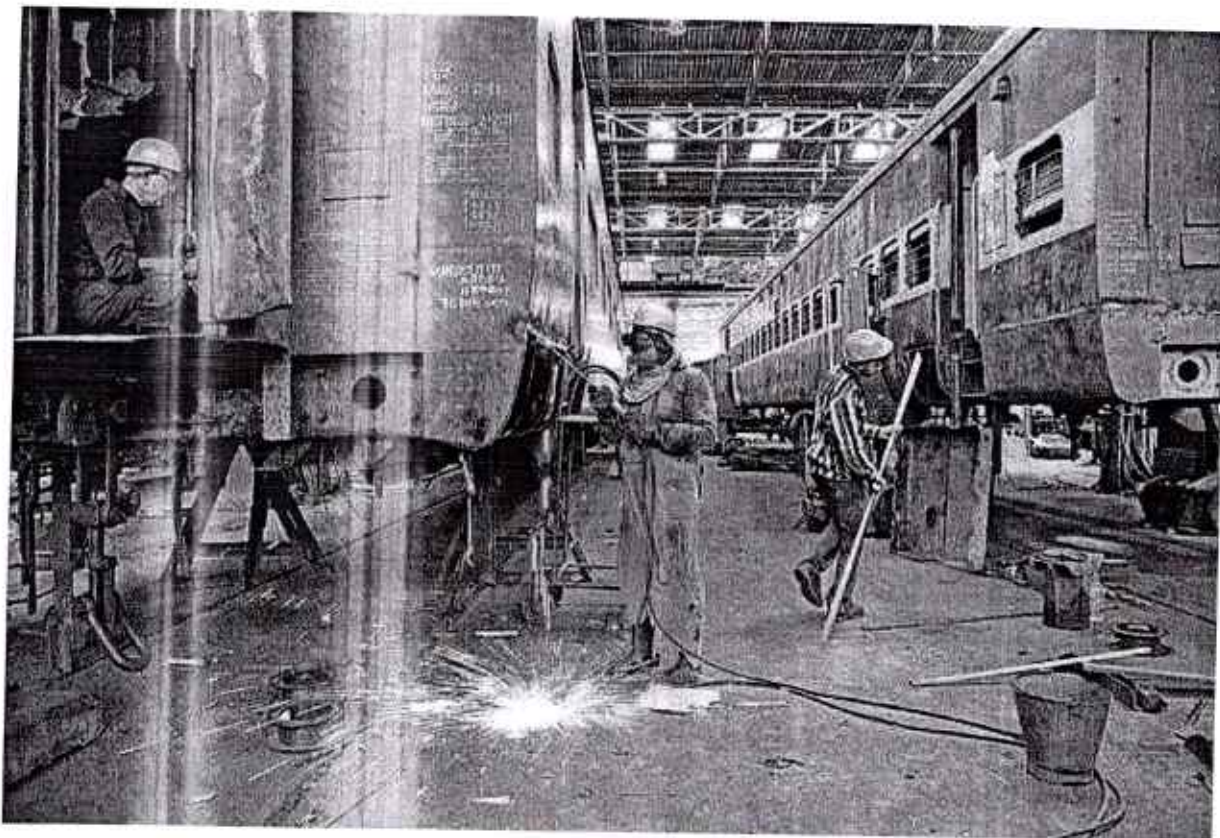
Sr. Divisional Mechanical Engineer,  
Rail Vikas Bhavan,  
DRM Office,  
Pattabhipuram,  
Guntur, A.P – 522006

**About the Railway Carriage & Wagon repair shop:**

The main aim of this repair shop is to ensure the proper functioning of train engine and it's bogies by maintaining in a proper way



  
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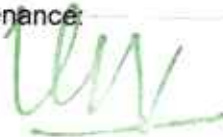
**Students observation:**

The students understood the following activities in that location by seeing and discussion with the concerned railway employees.

The following activities were seen by the students while doing the maintenance:

- Working nature of Brakes
- Wear and tear of the train wheels

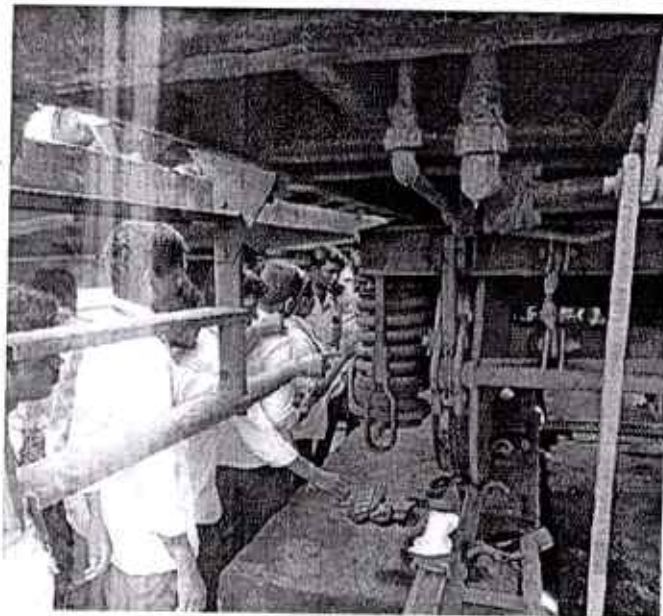
  
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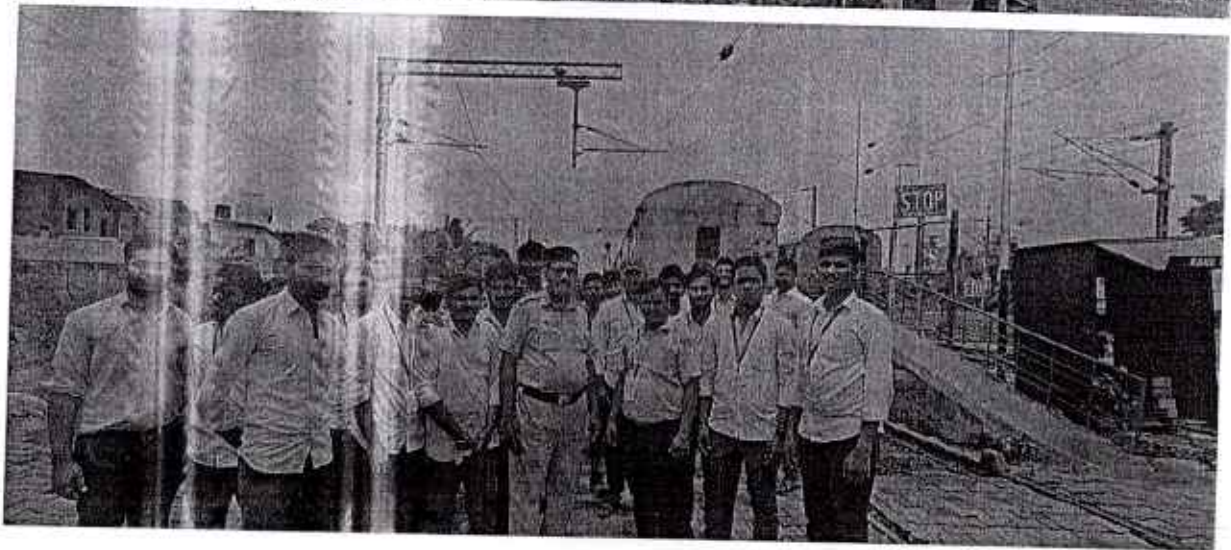
- Working of springs near the brakes
- Toilets cleanliness and water supply lines to them
- Supply of electricity to the lights, fans etc.,
- Working conditioning of emergency chain which meant for stopping the train during emergency by railway passengers

**Photo Gallery:** Students at the railway repair shop



  
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**Bio Toilets:**

The students came to that the Railway Carriage & Wagon repair shop has developed the BIO TOILETS first time in India

**Conclusion:**

The students understood the entire process of maintenance of the railway trains

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----- x -----

*Handwritten signature*

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# NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS)



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## Press Note

24.08.2023

### ఎన్. ఈ. సీ విద్యార్థుల రైల్వే వాగన్ వర్క్ షాప్ విజ్ఞాన విహార యాత్ర

నరసరావుపేట ఇంజనీరింగ్ కళాశాల మెకానికల్ ఇంజనీరింగ్ విభాగం ఆధ్వర్యంలో విద్యార్థుల విజ్ఞాన యాత్రలో భాగంగా మూడవ మరియు నాల్గవ సంవత్సరం మెకానికల్ ఇంజనీరింగ్ చదువుతున్న విద్యార్థులు గుంటూరు లోని కేంద్ర ప్రభుత్వ రంగ సంస్థ "రైల్వే క్వారీజ్ మరియు వాగన్" కార్యాలయాన్ని 28.07.2023 మరియు ఈ రోజు అనగా 24.08.2023 న సందర్శించారని మెకానికల్ విభాగాధిపతి డాక్టర్ బి.వేంకట శివ గారు తెలియజేశారు..

ఈ సందర్భంగా కళాశాల వైస్ చీఫ్ డాక్టర్ డి. సునీల్ గారు గారు మాట్లాడుతూ విద్యార్థులు ఈ కార్యాలయంలోని పలురకాల యంత్రాలను, అవి పని చేసే విధానాలను, వాటి ఉపయోగాలను అడిగి తెలుసుకున్నారు అన్నారు.

కళాశాల ప్రెసిపాల్ డాక్టర్ యమ్. శ్రీనివాస కుమార్ గారు మాట్లాడుతూ విద్యార్థులు ప్రతి రైలు బండి దాని ప్రయాణానికి ముందు ఏమేమి తనిఖీలు చేయాలో చూసి తెలుసుకొన్నారన్నారు. ఉదాహరణకు మొదటగా రైలు ని క్లుణ్ణంగా పరిశీలించడం, రైలు లోని బ్రేకుల పని తీరు, రైలు చక్రాల అరుగుదల పరిశీలన, వాటి ప్రక్కన వున్న స్ప్రింగుల పని చేసే విధానము, టాయిలెట్ల శుభ్రత మరియు వాటికి నీటి సరఫరా, ఫాన్స్ పనితీరు, అత్యవసర సమయంలో రైలు ని ఆపుటకు వాడే ఇనుప చైను లాగి కచ్చితంగా పని చేస్తుందో లేదో చూడటం, అలాగే అవసరమైనచో క్రొత్తవాటితో రీప్లెస్మెంట్ చేయడం లాంటివి చూసి అర్థం చేసుకొన్నారన్నారు.

కళాశాల వైస్ చైర్మన్ శ్రీ మిట్టపల్లి చక్రవర్తి గారు మాట్లాడుతూ విద్యార్థులకు క్షేత్రస్థాయిలో పరిశ్రమలపై అవగాహన కల్పించేందుకు ఈ సందర్భనలు ఎంతగానో తోడ్పడతాయని, విద్యార్థులకు పరిశ్రమలకు మధ్య ఉన్న అంతరాన్ని తగ్గించి విద్యార్థుల యొక్క మేధో సంపత్తిని పెంపొందిస్తాయని, తద్వారా విద్యార్థులకు ఉద్యోగ అవకాశాలు పెరుగుతాయన్నారు.

కళాశాల సెక్రటరీ శ్రీ మిట్టపల్లి రమేష్ బాబు గారు మాట్లాడుతూ ప్రతి సెమిస్టర్ లోనూ ఒక పరిశ్రమను తప్పనిసరిగా విద్యార్థులందరూ సందర్శించేలా కార్యాచరణ ప్రణాళికను రూపొందించామన్నారు

కళాశాల చైర్మన్ శ్రీ మిట్టపల్లి వెంకట కోటేశ్వరరావు గారు విద్యార్థులకు ఈ సందర్భనావకాశాన్ని ఇచ్చినందుకు సంబంధిత రైల్వే అధికారులకు కృతజ్ఞతలు తెలియజేశారు. అలాగే విద్యార్థులను మరియు ఈ విజ్ఞాన విహార యాత్రల సమన్వయకర్త డాక్టర్ పి సురేష్ బాబు గారిని అభినందించారు.

Dr. B.Venkata Siva  
Head - Mechanical Eng. Dept., NEC  
Cell: 9692464540

M. K. S.  
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NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPET - 522 601  
Guntur (Dist.), A.P.



**INDUSTRIAL VISIT**  
**TO**  
**Trident Power Pvt Limited**  
**(Velpur Village)**

On 21<sup>st</sup> & 22<sup>nd</sup> July 2023

by

3<sup>rd</sup> Year (2021-25 Batch) &

4<sup>th</sup> Year (2020-24 Batch)

Mechanical Engineering Students



  
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Guntur (Dist.) A.P.





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e-mail : [principal@nrtec.in](mailto:principal@nrtec.in)

To

Dated: 19.07.2023

Trident Power Pvt Ltd,  
Velpur Village,  
Savalyapuram Mandal

Dear Sir,

**Sub:** Request to visit your Trident Power Pvt Ltd - Reg.

\*\*\*

Narasaraopeta Engineering College (Autonomous), Narasaraopet established in the year 1998. Ranked as top 4<sup>th</sup> Engineering College in A.P, Accredited by NBA and NAAC with A+ grade, NIRF Ranked, approved by AICTE, New Delhi etc., The college offers 10 UG courses (CIVIL, EEE, ME, ECE, CSE, IT, CSE (AI), CSE (AI & ML), DS, Cyber Security, PG Courses M.Tech (S.E, P&ID, T.E, MD, DECS, DSCE, CSE), MBA and MCA courses.

As a part of Academics students are required to visit industries in order to get the practical knowledge and industrial exposure.

4<sup>th</sup> year Mechanical Engineering students of around 100 nos. of our college would like to visit your esteemed industry on 21.07.2023 along with our four faculty members (as 2 batches). And also 3<sup>rd</sup> year Mechanical Engineering students of around 50 nos. would visit on 22.07.2023 along with our two faculty members


We request you to kindly grant permission. We will abide your rules and regulations.

Thanking you,

Yours faithfully

  
**IQAC**

  
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We request you to kindly grant permission. We will abide your rules and regulations.

Thanking you,

Yours faithfully

For TRIDENT POWER PRIVATE LIMITED,



Authorized Signatory

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(AUTONOMOUS)

NARASARAOPET - 522 601  
Guntur (Dist.), A.P.



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NARASARAOPET  
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08647-239904

Visit us at : [www.nrtec.in](http://www.nrtec.in)

e-mail : [principal@nrtec.in](mailto:principal@nrtec.in)

To

Dated: 19.07.2023

Trident Power Pvt Ltd,  
Velpur Village,  
Savalyapuram Mandal

Dear Sir,

**Sub:** Request to visit your Trident Power Pvt Ltd - Reg.

\*\*\*

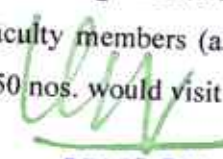
Narasaraopeta Engineering College (Autonomous), Narasaraopet established in the year 1998. Ranked as top 4<sup>th</sup> Engineering College in A.P, Accredited by NBA and NAAC with A+ grade, NIRF Ranked, approved by AICTE, New Delhi etc., The college offers 10 UG courses (CIVIL, EEE, ME, ECE, CSE, IT, CSE (AI), CSE (AI & ML), DS, Cyber Security, PG Courses M.Tech (S.E, P&ID, T.E, MD, DECS, DSCE, CSE), MBA and MCA courses.

As a part of Academics students are required to visit industries in order to get the practical knowledge and industrial exposure.

4<sup>th</sup> year Mechanical Engineering students of around 100 nos. of our college would like to visit your esteemed industry on 21.07.2023 along with our four faculty members (as 2 batches). And also 3<sup>rd</sup> year Mechanical Engineering students of around 50 nos. would visit on 22.07.2023 along with our two faculty members

We request you to kindly grant permission. We will abide your rules and regulations.

Thanking you,

  
PRINCIPAL  
NARASARAOPETA ENGINEERING COLLEGE

NARASARAOPETA  
Guntur (Dist.), A.P.

Yours faithfully

  
PRINCIPAL

PRINCIPAL  
NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPETA - 522 601  
Guntur (Dist.), A.P.



Authorized Signature



**Department of Mechanical Engineering**

Date: 19.07.2023

**Circular**

All the IV B.Tech Mechanical Engineering Students are informed that a one day industrial visit to Trident Power Pvt Ltd, Velpur Village is planned on 21.07.22. Hence, the students are informed to attend without fail. The same is informed to the faculty concerned.

**Note:** Students must maintain proper dress code (ie. Uniform, ID Card & Shoes)

  
Ind. Visit Co-ordinator

  
H.O.D

**Copy to**

- Chairman, for information
- Principal Office
- AO, for making necessary arrangement
- Circulation among the faculty of Mechanical Engineering Department.
- Department notice boards



  
PRINCIPAL  
NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPETA - 517 402  
TEL: 0866 25 51 100



**Department of Mechanical Engineering**

Date: 20.07.2023

**Circular**

All the III B.Tech Mechanical Engineering Students are informed that a one day industrial visit to Trident Power Pvt Ltd, Velpur Village is planned on 22.07.22. Hence, the students are informed to attend without fail. The same is informed to the faculty concerned.

**Note:** Students must maintain proper dress code (ie. Uniform, ID Card & Shoes)

  
Ind. Visit Co-ordinator

  
H.O.D

**Copy to**

- Chairman, for information
- Principal Office
- AO, for making necessary arrangement
- Circulation among the faculty of Mechanical Engineering Department.
- Department notice boards



  
PRINCIPAL  
NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
NARASARAOPETA - 522 601  
Guntur Distt, A.P.

From,  
Dr.P.Suresh Babu,  
Asso. Professor & Dy. Controller of Exam. Cell (Aut.),  
Industrial Tour Coordinator,  
Dept. of Mechanical Engineering, NEC

20.07.2023

To,  
The Principal,  
NEC

(Through Proper Channel)

Respected Sir,

Sub: Industrial Tour to Trident, Velpur – Permission for College Buses

As discussed with you, we have arranged the industrial tour to Trident Power Pvt Ltd, Velpur Village, from our NEC for 3<sup>rd</sup> & 4<sup>th</sup> year B.Tech Mechanical Engineering students. For this, we need your approval for College buses for to and fro travel between NEC and Trident, Velpur (around 30 km from NEC).

Details are given below:

- |                           |   |
|---------------------------|---|
| (1) Date of visit         | : 21.07.2023 - Friday (4 <sup>th</sup> year students)   |
| No. of students per visit | : Around 100 students & 04 Faculty Members (2 Buses)    |
| Starting time at NEC      | : 10 A.M  |
| Return to NEC             | : Around 1.30 PM  |
| (2) Date of visit         | : 22.07.2023 - Saturday (3 <sup>rd</sup> year students) |
| No. of students per visit | : Around 50 students & 02 Faculty Members (1 Bus)       |
| Starting time at NEC      | : 10 A.M  |
| Return to NEC             | : Around 1.30 PM  |

Thanking you,

Yours faithfully

(Dr.P.Suresh Babu)

PS R  
M  
IQAC





**NARASARAOPETA  
ENGINEERING COLLEGE**  
(AUTONOMOUS)



**Industrial Visit to**

**TRIDENT POWER PVT LTD**

**Velpur(V), Savalyapuram  
( IV Year Students)**

**21<sup>st</sup> July, 2023**

**Department of**

**Mechanical Engineering**



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PRINCIPAL  
NARASARAOPETA ENGINEERING COLLEGE  
(AUTONOMOUS)

Page

Narasaraopeta Engineering College  
Savalyapuram



**NARASARAOPETA  
ENGINEERING COLLEGE**

(AUTONOMOUS)



**Industrial Visit to**

**TRIDENT POWER PVT LTD**

**Velpur(V), Savalyapuram  
( III Year Students)**

**22<sup>nd</sup> July, 2023**



**Department of  
Mechanical Engineering**

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*Handwritten signature*  
DASHARAPETA ENGINEERING COLLEGE  
(AUTONOMOUS)  
Savalyapuram, Velpur  
Guntur District, A.P.



NARASARAOPETA ENGINEERING COLLEGE:: NARASARAOPET  
 DEPARTMENT OF MECHANICAL ENGINEERING  
 Industrial Tour to Trident Power Pvt Ltd, Velpur Village, Savalyapuram Mandal on 21.07.2023  
 B.Tech 4thYear "A" section student Details

SL. NO.	H.T.NO.	Name	Signature
1	20471A0301	ALAVALA ADITHYA VARA PRASAD	
2	20471A0302	BATTULA RAJESH	B. Rajesh
3	20471A0303	BHIMAVARAPU HEMANTH KUMAR	B.H. Kumar
4	20471A0304	BONAM JAYA PRAKASH	B. Bonam Kumar
5	20471A0305	BOYAPATI PAVAN KUMAR	B. Pavan Kumar
6	20471A0306	DADDANALA VEERANJIREDDY	D. Veeranjireddy
7	20471A0307	DERANGILA PARDHU GANESH	D. P. Ganesh
8	20471A0308	DOPPALAPUDI S S NAGA RAVITEJA	D.S.S. Naga Raviteja
9	20471A0309	EEDARA MOHAN SAI	E. Mohan Sai
10	20471A0310	GANESH SAI PAVAN	G. Sai Pavan
11	20471A0312	GERA KOTESWARA RAO	G. Koteswara Rao
12	20471A0313	KARASALA PRASANTH	K. Prasanth
13	20471A0314	KARASANI PAVAN KUMAR REDDY	K. Reddy
14	20471A0315	KATTA MAHESWAR	K. Maheswar
15	20471A0317	KESARI DHANUNJAYA REDDY	K. Dhanunjaya Reddy
16	20471A0318	KOMARAGIRI SASIKUMAR	K. Sasi Kumar
17	20471A0319	KOMERA SIVA NAGARAJU	K. Siva Nagaraju
18	20471A0320	KOTHA GOPI	K. Gopi
19	20471A0321	KUNDURTHI NAVEEN	K. Naveen
20	20471A0323	MADANU JOSEPH VINAY KUMAR	M. J. Vinay Kumar
21	20471A0324	MADDUMALA RAMAKRISHNA	M. Ramakrishna
22	20471A0325	MAGANTI SASI PAVAN	M. Sasi Pavan
23	20471A0326	MAKKENA SAMBASIVA RAO	M. Sambasiva Rao
24	20471A0327	MIRIYALA SASHANK	M. Sashank
25	20471A0328	NALLA ABHIRAM CHOWDARY	N. Abhiram Chowdary
26	20471A0329	NUTHAKKI RAKESH	N. Rakesh



SL. NO.	H.T.NO.	Name	Signature
27	20471A0330	ARAVAPALLI SAI SRINIVAS	S. Srinivas
28	20471A0331	PALETI JOHN HOSANNA	John Hosanna
29	20471A0332	PERUMAALLA SRIKANTH	P. Srikanth
30	20471A0333	POLURI KRISHNA CHAITHANYA	P. Chaitanya
31	20471A0334	PONNAGANTI CHANDU HARSHA VARDHAN	P. Harsha
32	20471A0336	PATHAN MEERA VALI	P. Meera Vali
33	20471A0337	POTTIMURTHI PURNA CHANDRA RAO	P. Purnachandra Rao
34	20471A0338	PRUDHVI DURGA BHARATH CHANDAN	P.D. Bhudurga Chandan
35	20471A0339	RAMAVATHU BADDUNAIAK	R. Buddunaik
36	20471A0341	SHAIK APPAPURAM MAHABOOB SUBHANI	SK. Subhani
37	20471A0343	SHAIK GANGARAM ABDUL RAHAMAN	Abdul Rahman
38	20471A0344	SHAIK GULLAPALLI NAGURVALI	Nagurvali
39	20471A0345	SHAIK LAL AHAMAD BASHA	Lal Ahmad
40	20471A0346	SHAIK MAHAMMAD FAREED	SK. Farid
41	20471A0348	SHAIK MANISHA	SK. Manisha
42	20471A0349	SHAIK PARVEZ	SK. Parvez
43	20471A0350	SHAIK SADHIK	SK. Sadhik
44	20471A0352	TIPPIREDDY AMARNATHREDDY	T. Amarnathreddy
45	20471A0353	VADLAVALLI GANESH	V. Ganesh
46	20471A0354	VEERAGANDHAM VENKATA MANIKANTA	V. V. Manikanta
47	20471A0356	ADAKA GOPIRAJU	A. Gopi

Accompanied Faculty-1

Ind. Tour Co-ordinator

Accompanied Faculty-2

H.O.D

Principal

**IQAC**

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Guntur (Dist.), A.P.

10/01

22601



NARASARAOPETA ENGINEERING COLLEGE:: NARASARAOPET  
DEPARTMENT OF MECHANICAL ENGINEERING  
Industrial Tour to Trident Power Pvt Ltd, Velpur Village, Savalyapuram Mandal on 21.07.2023  
B.Tech 4thYear "B" section student Details

SL. NO.	H. T. NO.	Name	Signature
1	20471A0357	ATCHYUTHA PAVAN KUMAR	A. Pavan
2	20471A0358	BALLE RAMANJANEYULU	B. Ramanjaneyulu
3	20471A0359	BANDARU SAI GANESH	
4	20471A0360	BERAM NARENDRA REDDY	D. Narend
5	20471A0361	CHEBROLU MANIKANTA SAI NITHIN	Ch. Nithin
6	20471A0362	CHENNAMSETTY GOPI	CH. GOPI
7	20471A0363	GANGULA SUNNY	G. Sunny
8	20471A0364	GANJI HANUMA KOTI GANESH	G. Ganesh
9	20471A0365	GANNNAVARAPU JAYA SRIKANTH	
10	20471A0366	GUTTIKONDA AYYAPPA REDDY	G. Ayyappa
11	20471A0367	MADDINENI AJAY	M. Ajay
12	20471A0368	MANNEPALLI VEERA NARASIMHA	M. Veera
13	20471A0369	MARAGANI NAGA THIRUMALA RAO	M. Naga
14	20471A0370	PARELLA BALA GURAVAIHAH	Bala Guravaiah
15	20471A0371	SETLAM RANENDRA VAMSHI	S. Ranendra
16	20471A0372	SHAIK GUTHIKONDA SALIM	Salim
17	20471A0373	SHAIK JAKIR	Jakir
18	20471A0374	SHAIK MOHAMMAD TAHEER	Sh. M. Taheer
19	20471A0375	THOTA SRIVAMSI NADH	T. Nadh
20	20471A0376	YAKKANTI SAI KIRAN REDDY	Y. Sai
21	21475A0301	PALLAPOTHU SAIKIRAN YADAV	Saikiran
22	21475A0302	SYED SARDAR VALI	Sardar
23	21475A0303	DERANGULA GOPI KRISHNA	D. Gopi Krishna
24	21475A0305	SHAIK ADIL	Sh. Adil
25	21475A0306	JANAPAREDDI PRASAD	J. Prasad
26	21475A0307	REPALLE YASHWANTH	R. Yashwanth
27	21475A0308	RAMAVATHU PAVAN KUMAR NAIK	R. Pavan
28	21475A0309	NELAVALLI VIKAS	N. Vikas

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Narasaraopeta Engineering College  
NARASARAOPETA  
Guntur (Dist.) A.P.

SL. NO.	H.T.NO.	Name	Signature
29	21475A0310	DUDDU JOSEPH	D. Jom
30	21475A0311	MUNIKOLA SANTHOSH KUMAR	M. Santosh Kumar
31	21475A0312	MORAPAKULA CHARAN TEJA	M. Charan Teja
32	21475A0313	GODA SANDEEP	G. Sandeep
33	21475A0314	MOGILI PRAKASH	M. Prakash
34	21475A0315	SHAIK MABU SUBHANI	Sh. Subhani
35	21475A0316	DAGGUPATI VENKATA PRADEEP	Pradeep
36	21475A0317	NAGASURENDRA CHARI UPPALAPATI	Surendra
37	21475A0318	NALLURI NAVEEN	N. Naveen
38	21475A0319	ORCHU VENKATA RAVINDRA	O. Venkata Ravindra
39	21475A0320	NELLURI YASWANTH	N. Yaswanth
40	21475A0321	PENUMALA PAVAN KUMAR	P. Pavan Kumar
41	21475A0322	BAANANA PRADEEP KUMAR	B. Pradeep Kumar
42	21475A0323	BOJANKI DEMUDU BABU	B. Demudu Babu
43	21475A0324	DATTI CHANDU	D. Chandu
44	21475A0325	BORUGADDA NITHIN	B. Nithin
45	21475A0326	VARIKUTI KARTHIK VENKATA RAM	V. Karthik
46	21475A0327	GOLLA SUNDARA SAMRAJYA SUGNAN	G. Sugnan
47	21475A0328	CHATTA VENKATRAMAIAH	Ch. V. Venkata Ramiah
48	21475A0329	KSHATRIYA JITHENDRA SINGH	K. Jithendra Singh
49	21475A0330	BOMMALI BALA SIVA YOGENDRA SAI NANDU	B. B. S. Y. Sai Nandu
50	21475A0331	REVALLA SAI	R. Sai
51	21475A0332	BANDI SRINIVAS	B. Srinivas
52	21475A0333	GURRAM SIVA GANESH	G. Sivaganesh
53	21475A0334	EMANI LEELA SHANKAR	E. Leela Shankar
54	21475A0335	KUPPALA SRINU	K. Srinu

Accompanied Faculty-1

Ind. Tour Co-ordinator

Accompanied Faculty-2

Principal

PRINCIPAL

NARASARABPETA ENGINEERING COLLEGE

(AUTONOMOUS)

NARASARABPETA - 522 001

AP





NARASARAOPETA ENGINEERING COLLEGE:: NARASARAOPET  
DEPARTMENT OF MECHANICAL ENGINEERING  
Industrial Tour to Trident Power Pvt Ltd, Velpur Village, Savalyapuram Mandal on 22.07.2023  
B.Tech 3rd Year section student Details

SL. No.	H.T.NO.	Student Name	Signature
1	21471A0301	ANGIREKULA VEERANJANEYULU	A. Veeranjaneyulu
2	21471A0302	BATTULA YUVA RAJU	B. Yuvaraju
3	21471A0303	BOMMIREDDY VENU	B. Venu
4	21471A0304	JEEDIMALLA SRI LAKSHMI NILENDRA	J. S. Lakshmi Nilendra
5	21471A0305	KONATHAM VENKATA NARAYANA	K. Narayana
6	21471A0306	KUNCHALA ANKA RAO	K. Anka Rao
7	21471A0307	PATHAN RIYAZ	P. Riyaz
8	21471A0309	SASAPU SAI SANTOSH	S. Sai Santosh
9	21471A0310	SOUBHAGYAPU SAI RAM	.
10	21471A0311	MUNAGA RAMANJANEYULU	M. Ramanjaneyulu
11	21471A0312	YELCHURI HEMALATHA MEGHANA	Y. H. Meghana
12	21471A0314	ALLAM TIRUMALA RAJU	A. Tirumala Raju
13	22475A0301	LUKALAPURAMBABU	L. Purambabu
14	22475A0302	THUNUGUNTLANAGA THARUN	T. Tharun
15	22475A0303	MAILAVARAPUPAVAN KALYAN	M. Pavan Kalyan
16	22475A0304	KOLLIGOWRI SANKARA RAO	K. Gowri Sankar
17	22475A0305	VANTAKUGANAPATHI LAKSHMI	V. Ganapathi Lakshmi
18	22475A0306	SYEDHUSSAIN	S. Hussain
19	22475A0307	BEHERASANJAY KUMAR	B. Sanjay Kumar
20	22475A0308	YASAMMANIKANTA	Y. Manikanta
21	22475A0309	MALLADIGOPI PURNA	M. Gopi Purna
22	22475A0310	UNGATILOKESH	U. Latesh
23	22475A0311	RAMAVATHNAIK	R. V. D. Naik
24	22475A0312	PASALASYAM KUMAR	P. S. Jay Kumar
25	22475A0313	THURIMELLAVAMSI GANESH	T. Vamsi Ganesh
26	22475A0314	KUKKAMALLAKARTHIK	K. Kartik
27	22475A0315	VUTLAKISHORE	V. Kishore
28	22475A0316	DHARMANAAPPALA NAIDU	D. Appala Naidu
29	22475A0317	NIKKUSURESH	N. Suresh
30	22475A0318	GORANTLASIVA KOTESWARA RAO	G. Siva Koteswara
31	22475A0319	POGUNOLLAKARUN KUMAR	P. Karun Kumar
32	22475A0321	BANDLAMUDIRAJU	B. Mudiraju
33	22475A0322	BOJJABABU	B. Babu
34	22475A0323	ATHULURIRAMARAO	A. Ramarao
35	22475A0324	BATTULALAKSHMI NARAYANA	B. Lakshmi Narayana



SL. No.	H.T.NO.	Student Name	Signature
36	22475A0325	GUDIKANDULAANJANEYULU	G. Anjaneyulu
37	22475A0326	AYINAMPUDI KISHORE BABU	A. Kishore Babu
38	22475A0327	KETHABOYINAMAHESH	K. Mahesh
39	22475A0328	SHAIKBABULAL	Sh. Babulal
40	22475A0329	BANDARUVENU GOPAL	B. Venugopal
41	22475A0330	YADAVALLILOKESH	Y. Lokesh
42	22475A0331	CHOUDAMVENKATESH	Ch. Venkatesh
43	22475A0332	CHATTIMURALI KRISHNA	.
44	22475A0333	DARAMPRUDHVI KRISHNA	D. Prudhvi Krishna
45	22475A0334	SHAIKNAGUR BASHA	Sh. Basha
46	22475A0335	GOLLAPUDISARATH KUMAR	G. Sarath Kumar
47	22475A0336	ADAKAVINOD	J. Arun
48	22475A0337	JANNIARUN	J. Arun
49	22475A0338	NOWPADAMEGHANADH	N. Meghanadh
50	22475A0339	BALAGAYUGANDHAR	B. Yugandhar
51	22475A0340	NEYVELAKUMAR BEHERA	N. Kumar
52	22475A0341	KUNITIPAVAN KUMAR	K. Pavan Kumar
53	22475A0342	BHUKYADIWAKAR NAIK	B. Naik
54	22475A0343	VOONANARENDRA	V. Narendra
55	22475A0344	CHANDARLAPATIGANESH	Ch. Ganesh
56	22475A0345	BALAGAMOHAN	B. Mohan
57	22475A0346	BOMMALIMAHESH	B. Mahesh
58	22475A0347	DUDDETINAGA SAI	D. Nagasai
59	22475A0348	BASWADILLESWARA RAO	B. Dilleswara Rao
60	22475A0349	KORRAPATIMOHAN KRISHNA	K. Mohan Krishna
61	22475A0350	NAKKANABOINANAGA SRIDHAR	N. Nagasridhar
62	22475A0351	GONDUGANESH PAVAN	G. Ganesh Pavan
63	22475A0352	L. SRINIVAS	L. Srinivas

Accompanied Faculty-1

Accompanied Faculty-2

Ind. Tour Co-ordinator

H.O.D

Principal

**IQAC**

**PRINCIPAL**  
NARASARAOPETA ENGINEERING COLLEGE

AUTONOMOUS  
NARASARAOPET - 522 601  
Guntur (Dist.). A.P.



**Report on Industrial Visit to Trident Power by 4th NEC & 3rd B.Tech 1st Sem  
Mechanical Engineering Students (2020 & 2021 Batch) on 21 & 22 July 2023**

As a part of Academics students are required to visit industries in order to get the practical knowledge and industrial exposure. Hence, 100 students of 4th year I Semester students & 50 students of 3rd year I Semester students of Mechanical Engineering had visited the "Trident Hydel Power Pvt Ltd, Velpur Village" on 21 & 22 July 2023 respectively, accompanied by two faculty members per 50 students in college buses

The industry is located near Velpur Village, Savalyapuram Mandal, Palnadu district, A.P. The detailed address is given below:

**Address:**

Trident Power Pvt Ltd,  
Velpur Village,  
Savalyapuram Mandal  
82MQ+R2W,  
Pamidipadu Agraharam,  
Andhra Pradesh 522408  
<http://www.tridenthydrosolutions.com/>

**About the Trident:**

Trident Power Private Limited (TPPL) is a leading Private Limited Indian Non-Government Company incorporated in India on 02 February 1995 and has a history of 28 years and seven months. Its registered office is in Hyderabad, Telangana, India.

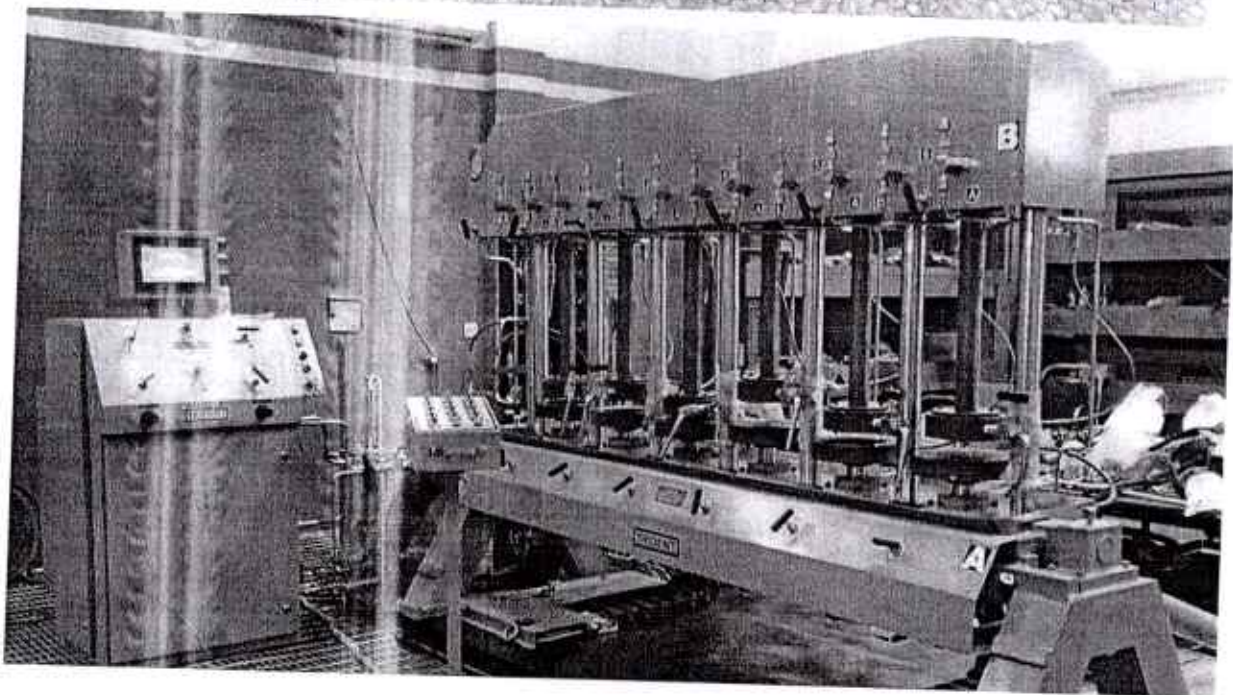
The Corporate was formerly known as Trident Power Systems Private Limited. The Company is engaged in hydropower generation.



PRINCIPAL  
NARASARAOPETA  
GUNTUR (DIST.) A.P.



Located in the heart of India, and spread over an area of 900+ acres, is Trident's Budhni Plant.



In this plant, electrical power is produced from flow of water through the canal. The whole equipment of this industry was manufactured in France. The input water enter into the turbine through the head race canal and water passed through the tail race canal to outside.

Gear box is used to increase speed of shaft from 160 rpm to 1000 rpm. The height of water flow is 25 m max.. In this industry, they use semi coupling turbine. Gates are controlled by gate power packed motor. The whole equipment of the generator and turbine works under are PLC (Programming Logic Control) . The speed of blades is controlled by pressure N<sub>2</sub> gas and oil.

*[Handwritten Signature]*  
**IQAC**

*[Handwritten Signature]*  
 PRINCIPAL  
 NAGASARAO PET - 500 601  
 Guntur Dist. A.P.



The whole generator is made by LEROY SOMER., a synchronous type generator and produces 660V power and the same will be increased to 33,000V by transformer. The Gear box ratio of gear teeth is 6.296. The generator produces 1332A current. Every 3,000 hours fill the grease of 55 gms. In the generator, there are 6 poles and weight of generator is 6,750 kg. The produced electricity is being distributed to near towns of Vinukonda and also to neighbouring villages



**Conclusion:**

Students are satisfactorily understood all the machinery and processes available in the industry.

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**IQAC**

*Handwritten signature*  
**PRINCIPAL**  
**MAKASARAOPETA ENG. COLLEGE**  
(A.C.)  
**NARASARAOPET - 522 601**  
Guntur (Dist.), A.P.



# NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O), NARASARAOPET-522 601, Palnadu Dist., A.P.  
(Sponsored by Gayatri Educational Development Society), Narasaraopet.



Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada. Code : 47, NIRF Ranking 251 - 300 Band  
Accredited by NBA (CSE, ECE) & NAAC "A+" Grade, ISO 9001 : 2015 Certified Institution.

08647-239904

Visit us at : www.nrtec.in

e-mail : principal@nrtec.in

## Press Note

22.07.2023

### ఎన్. ఈ. సీ విద్యార్థుల ట్రిడెంట్ పవర్ ఫ్లాంట్ విజ్ఞాన విహార యాత్ర

నరసరావుపేట ఇంజనీరింగ్ కళాశాల మెకానికల్ ఇంజనీరింగ్ విభాగం ఆధ్వర్యంలో విద్యార్థుల విజ్ఞాన యాత్రలో భాగంగా మూడవ మరియు నాల్గవ సంవత్సరం మెకానికల్ ఇంజనీరింగ్ చదువుతున్న విద్యార్థులు శావల్యాపురం దగ్గరలోని వేల్పూరు కు సమీపంలో ఉన్న "ట్రిడెంట్ పవర్ ప్రైవేట్ లిమిటెడ్ (Trident Power Pvt Ltd.)" అనే హైడల్ పవర్ ఫ్లాంట్ ను నిన్న మరియు ఈ రోజున సందర్శించారని మెకానికల్ విభాగాధిపతి డాక్టర్ బి.వేంకట శివ గారు తెలిపారు తెలియజేశారు.

ఈ సందర్భంగా కళాశాల వైస్ చైర్మన్ డాక్టర్ డి. సునీల్ గారు గారు మాట్లాడుతూ విద్యార్థులు ఈ జలవిద్యుత్ కేంద్రాన్ని సందర్శించి వివిధ యంత్రాలైన కెఫ్రాన్ టర్బైన్స్, జనరేటర్లు, PLC కంట్రోల్ ప్యానెల్స్ లను పరిశీలించి తాము పొందిన పుస్తక పరిజ్ఞానంతో సరి పోల్చుకొన్నారని తెలిపారు. జల విద్యుత్ ఉత్పత్తి మిగతా అన్ని రకాల సాంప్రదాయ విద్యుత్ ఉత్పాదనలలో చౌకగా లభిస్తుందని అన్నారు. అలాగే ఈ తరహా విద్యుత్ ఉత్పత్తి కేంద్రాలు స్వయం సంచాలిత పరిశ్రమలకు ఒక ప్రత్యక్ష ఉదాహరణగా చెప్పుకోవచ్చు అని తెలియజేశారు.

కళాశాల ప్రెసిడెంట్ డాక్టర్ యమ్. శ్రీనివాస కుమార్ గారు మాట్లాడుతూ మెకానికల్ ఇంజనీరింగ్ విద్యార్థులు అందరూ అందుబాటులో ఉన్న పరిసర ప్రాంత చిన్న తరహా మరియు మధ్యతరహా పరిశ్రమలు అన్నింటినీ విధిగా సందర్శించి తమ పరిజ్ఞానాన్ని పెంపొందించుకోవాలని సూచించారు.

కళాశాల వైస్ చైర్మన్ శ్రీ మిట్టపల్లి చక్రవర్తి గారు మాట్లాడుతూ విద్యార్థులకు క్షేత్రస్థాయిలో పరిశ్రమలపై అవగాహన కల్పించేందుకు ఈ సందర్భనలు ఎంతగానో తోడ్పడతాయని, విద్యార్థులకు పరిశ్రమలకు మధ్య ఉన్న అంతరాన్ని తగ్గించి విద్యార్థుల యొక్క మేదో సంపత్తిని పెంపొందిస్తాయని, తద్వారా విద్యార్థులకు ఉద్యోగ అవకాశాలు పెరుగుతాయన్నారు.

కళాశాల సెక్రటరీ శ్రీ మిట్టపల్లి రమేష్ బాబు గారు మాట్లాడుతూ ప్రతి సెమిస్టర్ లోనూ ఒక పరిశ్రమను తప్పనిసరిగా విద్యార్థులందరూ సందర్శించేలా కార్యాచరణ ప్రణాళికను రూపొందించామన్నారు.

కళాశాల చైర్మన్ శ్రీ మిట్టపల్లి వెంకట కోటేశ్వరరావు గారు విద్యార్థులకు ఈ సందర్భనావకాశాన్ని ఇచ్చినందుకు ట్రిడెంట్ పవర్ యాజమాన్యానికి కృతజ్ఞతలు తెలియజేశారు. అలాగే విద్యార్థులను మరియు ఈ విజ్ఞాన విహార యాత్రల సమన్వయకర్త డాక్టర్ సి. సురేష్ బాబు గారిని అభినందించారు.

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