



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(AUTONOMOUS)

Accredited by NAAC & NBA (CSE, IT, ECE, EEE & ME) under Tier - I

Approved by AICTE and Permanently Affiliated to JNTUK, Kakinada



Department of Mechanical Engineering
Guest Lecture(Partial Content Delivery by Industry Expert) Report on
“STEAM TURBINES”

Date / Duration: From 15th June, 2022 to 18th June 2022, Timings 2PM to 5 PM

Resource Person

Mr.A.Bala Prasad,
Deputy Executive Engineer, Dr.Narla Tata Rao Thermal Power Station, Ibrahimpatnam,
Vijayawada

Name of the Coordinators:

1. Dr. P.Vijay Kumar, Professor,
2. Mr. K.V.Viswanadh, Sr.Asst.Professor
- 3.Mr.S.Rami Reddy, Sr.Asst.Professor

Audience: B.Tech Mechanical Engineering 2rd Year Students

Total Number of Participants: 133

Topics covered in the Guest Lecture: Different types of steam turbines, working principles, salient characteristics, materials used, efficiency improvement, various types of losses, 200MW, 500MW, 660MW and 800MW thermal power plant working conditions. The steam turbine blade materials, selection, fabrication and assembly, power generation by steam turbines, differences between impulse and reaction turbines.

Objective of the Event: To make the students aware of various aspects of steam turbines, charctersitics, materilas used, working principles, best practices in thermal power plant.



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Date: 14-06-2022

Notice

Kind Attention: B.Tech-IV Semester Students of A & B sections

The Department of Mechanical Engineering is planning for partial delivery of content in the subject Applied Thermodynamics for IV semester students by the Industry Expert Mr.A.Bala Prasad, Deputy Executive Engineer/MECH/EE/E&MConst Div-II/Stage-V, Dr.NTTPS, Ibrahimpatnam, Vijayawada. The unit IV Steam Turbines of the subject will be covered by the expert in 5 sessions through online mode from 15-06-2022 to 18-06-2022. All the students must attend the sessions without fail. Attendance is mandatory.

Industry Expert: Mr.A.Bala Prasad, Deputy Executive Engineer

Industry Name: Dr.Narla Tatarao Thermal Power Station, Ibrahimpatnam, Vijayawada

Platform: Microsoft Teams

Timings: 2PM to 3.30PM

Mode: Online

Duration: 15-06-2022 to 18-06-2022(Wednesday to Saturday)

HoD
(Dr.S.Pichi Reddy)

S.P. Reddy
HEAD
Dept of Mechanical Engineering
LAKIREDDY BALI REDDY COLLEGE OF ENGG
MYLAVARAM - 521 230, Krishna Dt, A.P.



Partial content delivery by Industry Expert – Virtual mode
On Steam Turbines
(15th June 2022 to 18th June 2022)

Mr.A.Bala Prasad, Dy.Executive Engineer
Dr.NTTPS, Vijayawada

**Dr. P. Vijaya
Kumar**
(Co-ordinator)

Dr. S.Pichi Reddy
(Convenor)

Dr. K.Appa Rao
(Principal)



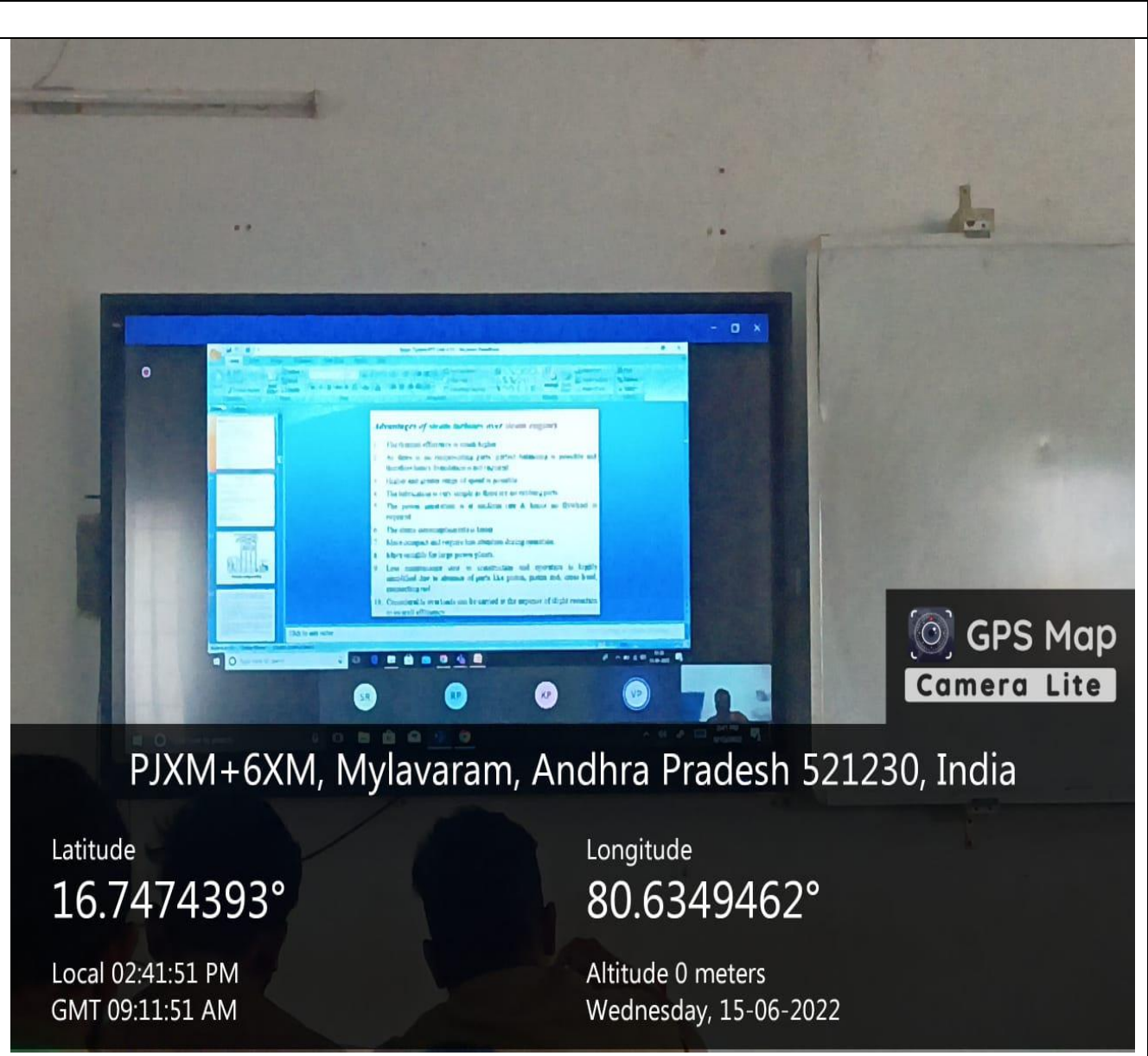
DEPARTMENT OF MECHANICAL ENGINEERING
LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

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Approved by AICTE, New Delhi & Affiliated by JNTUK, Kakinada
L.B.Reddy Nagar, Mylavaram, Andhra Pradesh 521230

Day-1, Wednesday, 15-06-2022
Students listening to the Industry Expert Lecture on Steam Turbines Topic
by Mr.A.Bala Prasad



PJXM+6XM, Mylavaram, Andhra Pradesh 521230, India

Latitude
16.7474393°

Longitude
80.6349462°

Local 02:41:51 PM
GMT 09:11:51 AM

Altitude 0 meters
Wednesday, 15-06-2022



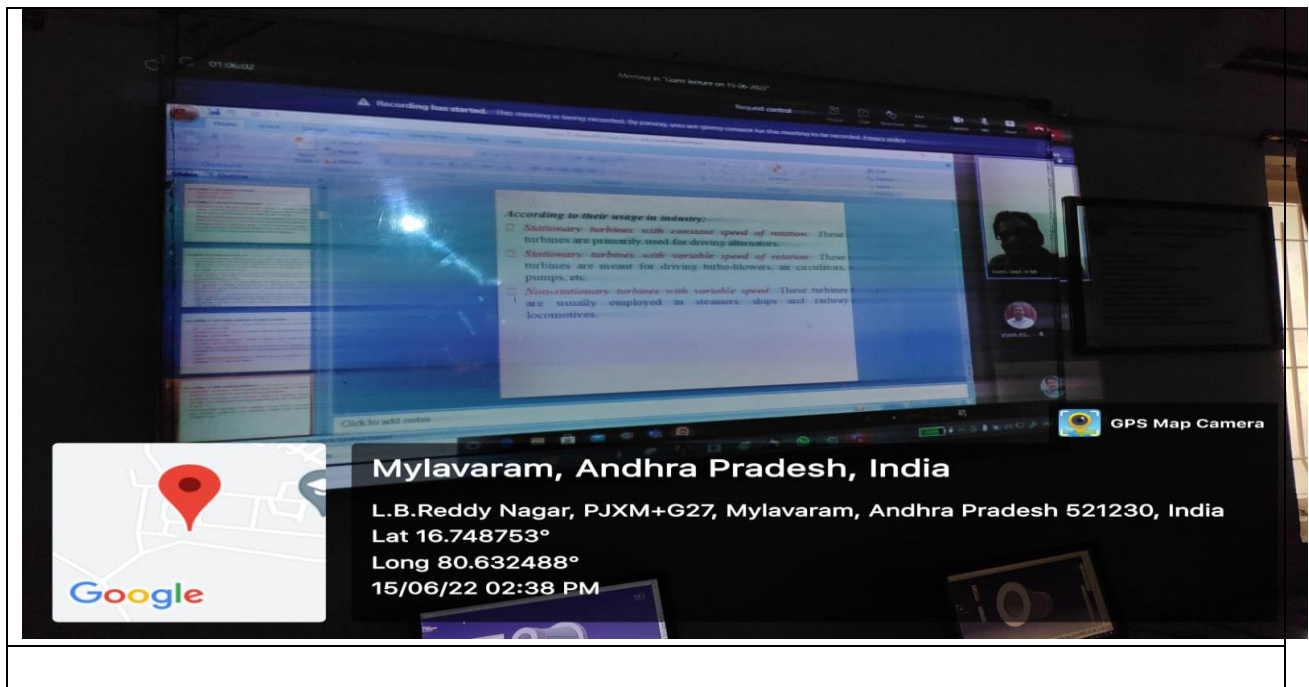
PJXM+6XM, Mylavaram, Andhra Pradesh 521230, India

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Longitude
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GMT 09:06:54 AM

Altitude 0 meters
Wednesday, 15-06-2022



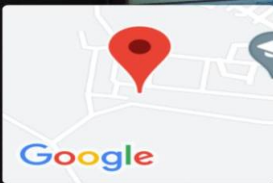
Mylavaram, Andhra Pradesh, India

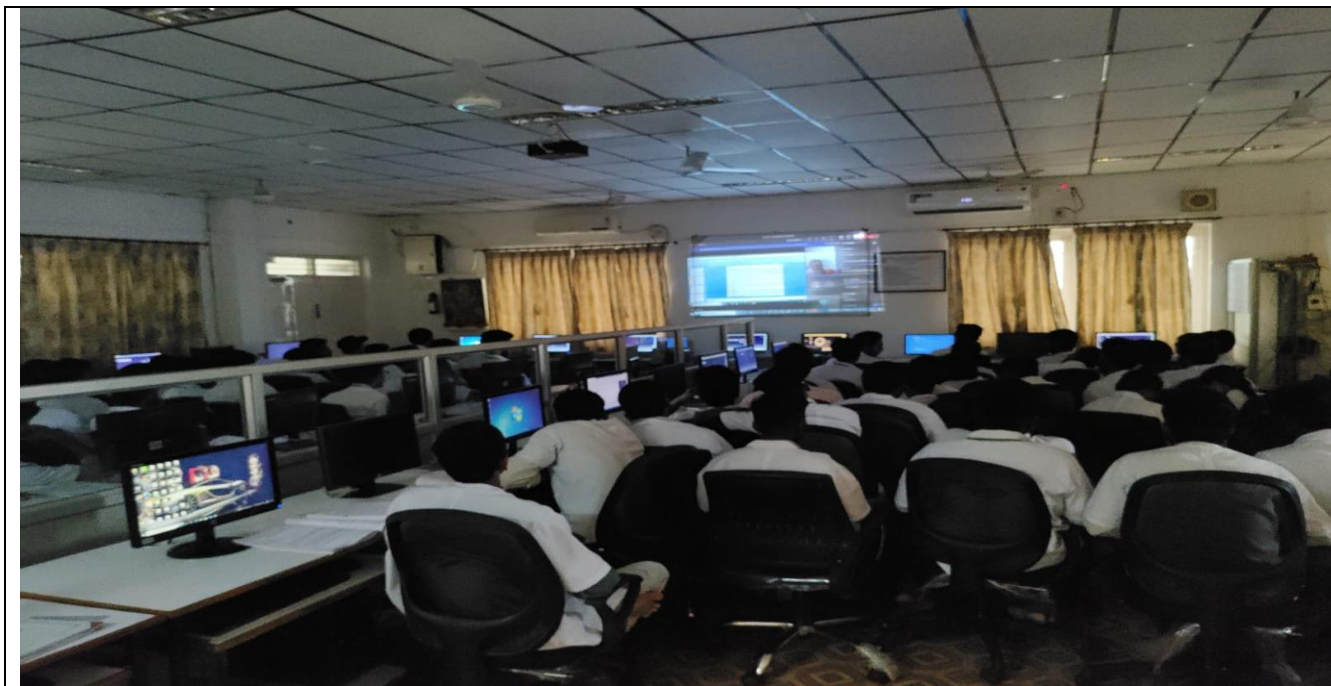
L.B.Reddy Nagar, PJXM+G27, Mylavaram, Andhra Pradesh 521230, India

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Long 80.632488°

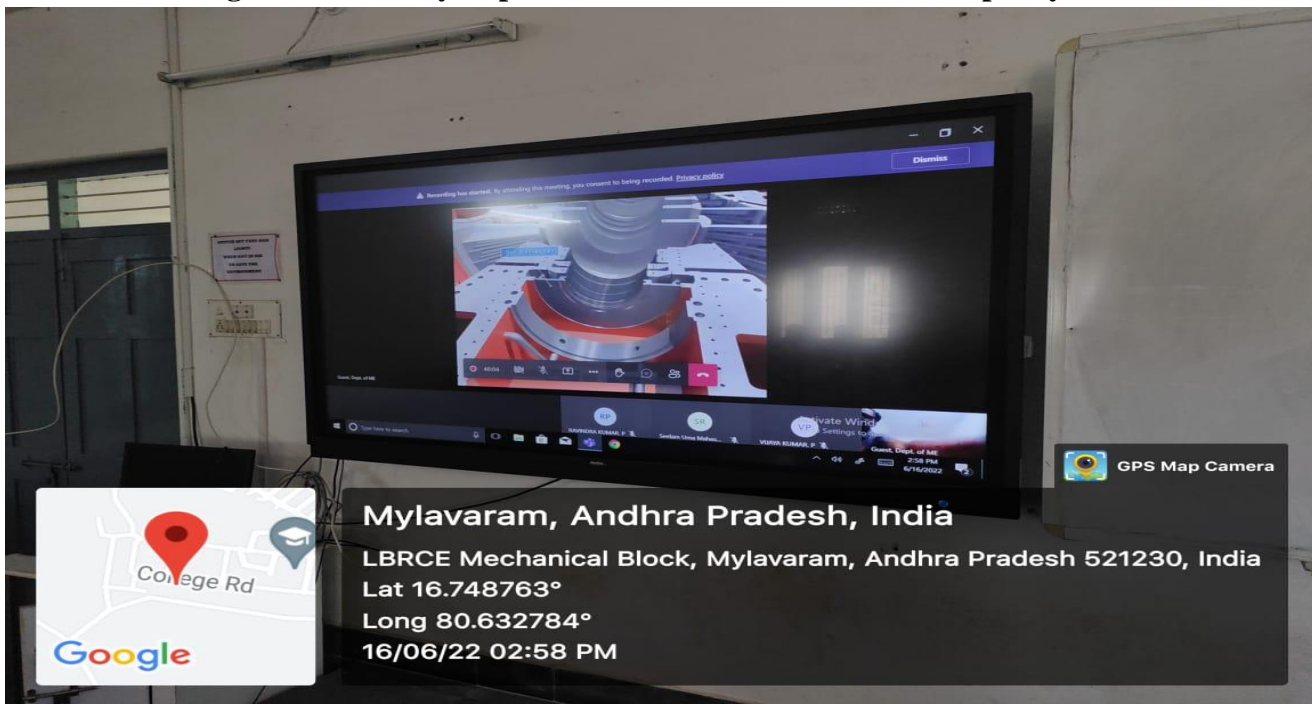
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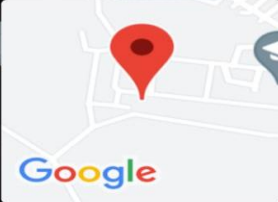




Day-2, Thursday, 16-06-2022

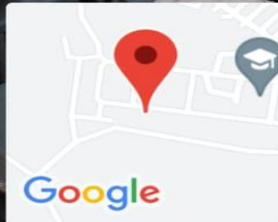
Students listening to the Industry Expert Lecture on Steam Turbines Topic by Mr.A.Bala Prasad





Mylavaram, Andhra Pradesh, India

L.B.Reddy Nagar, PJXM+G27, Mylavaram, Andhra Pradesh 521230, India
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Long 80.632481°
16/06/22 02:41 PM

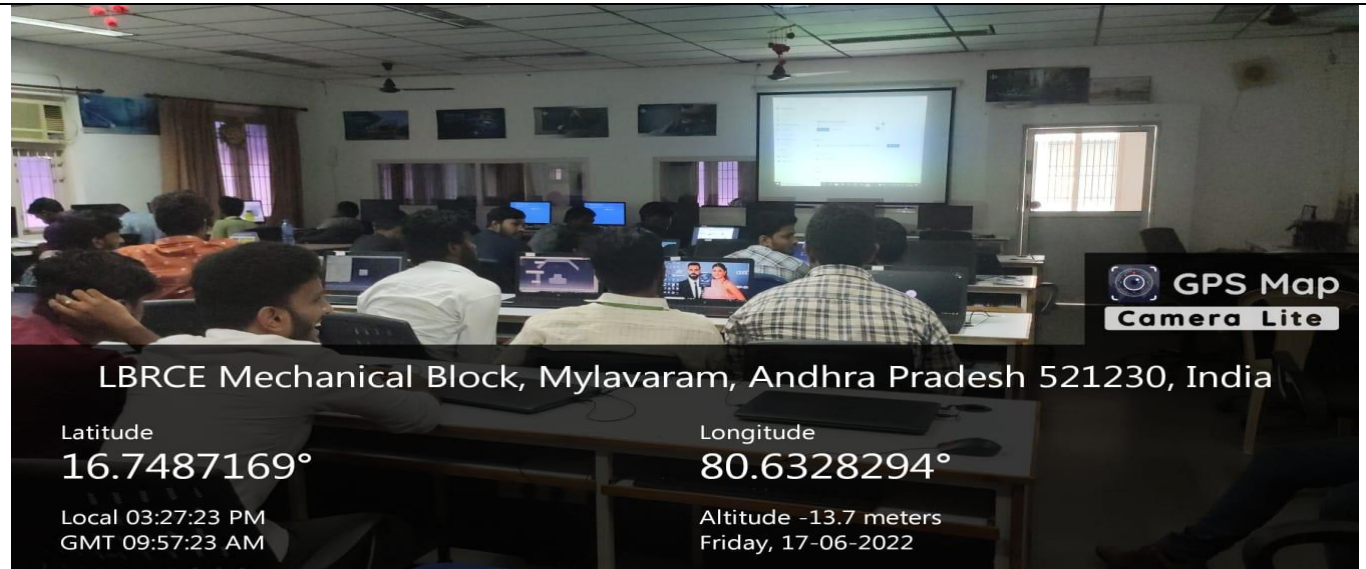


Mylavaram, Andhra Pradesh, India

LBRCE Mechanical Block, Mylavaram, Andhra Pradesh 521230, India
Lat 16.74879°
Long 80.632846°
16/06/22 02:56 PM

Day-3, Friday, 17-06-2022

Students listening to the Industry Expert Lecture on Steam Turbines Topic by Mr.A.Bala Prasad



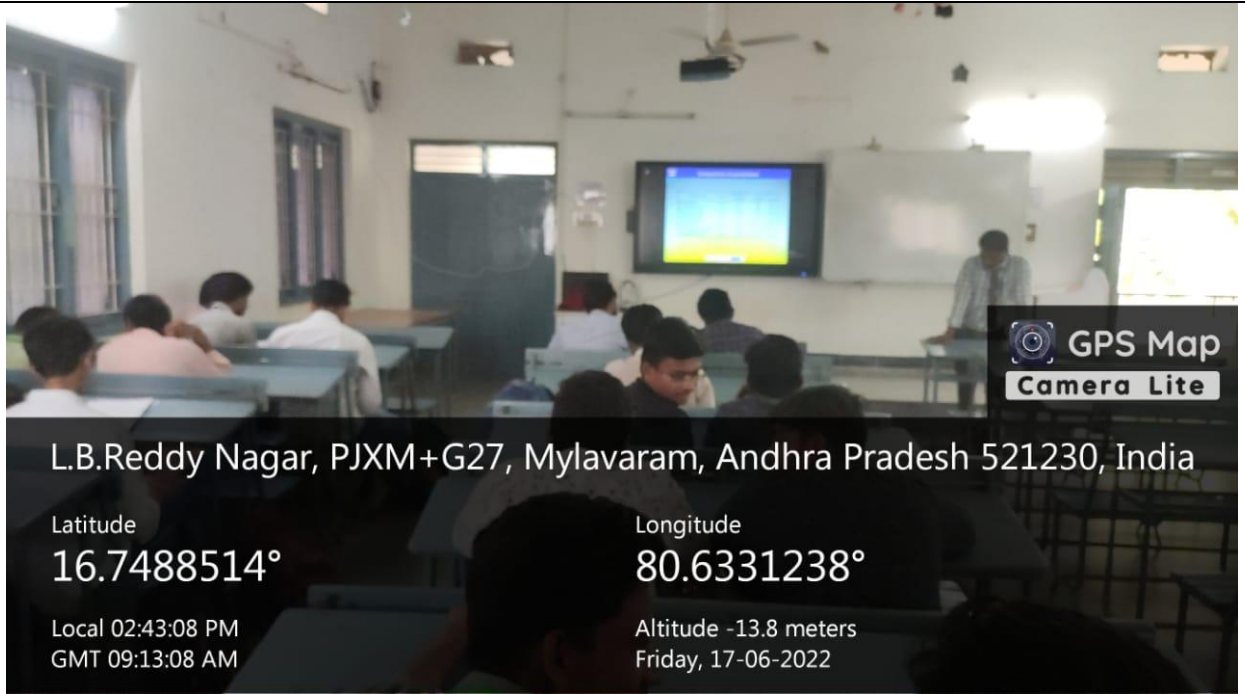
LBRCE Mechanical Block, Mylavaram, Andhra Pradesh 521230, India

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Longitude
80.6328294°

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GMT 09:57:23 AM

Altitude -13.7 meters
Friday, 17-06-2022



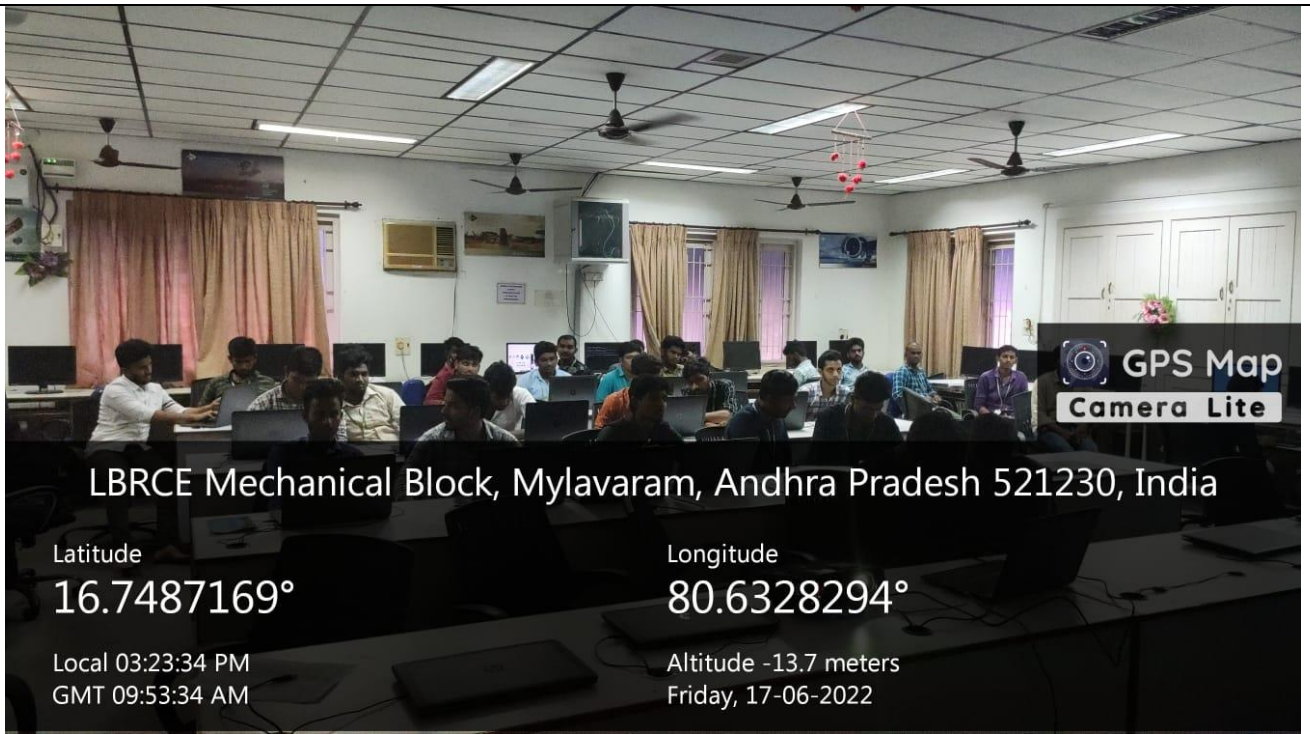
L.B.Reddy Nagar, PJXM+G27, Mylavaram, Andhra Pradesh 521230, India

Latitude
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Longitude
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GMT 09:13:08 AM

Altitude -13.8 meters
Friday, 17-06-2022



LBRCE Mechanical Block, Mylavaram, Andhra Pradesh 521230, India

Latitude
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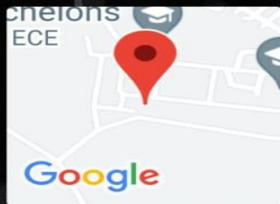
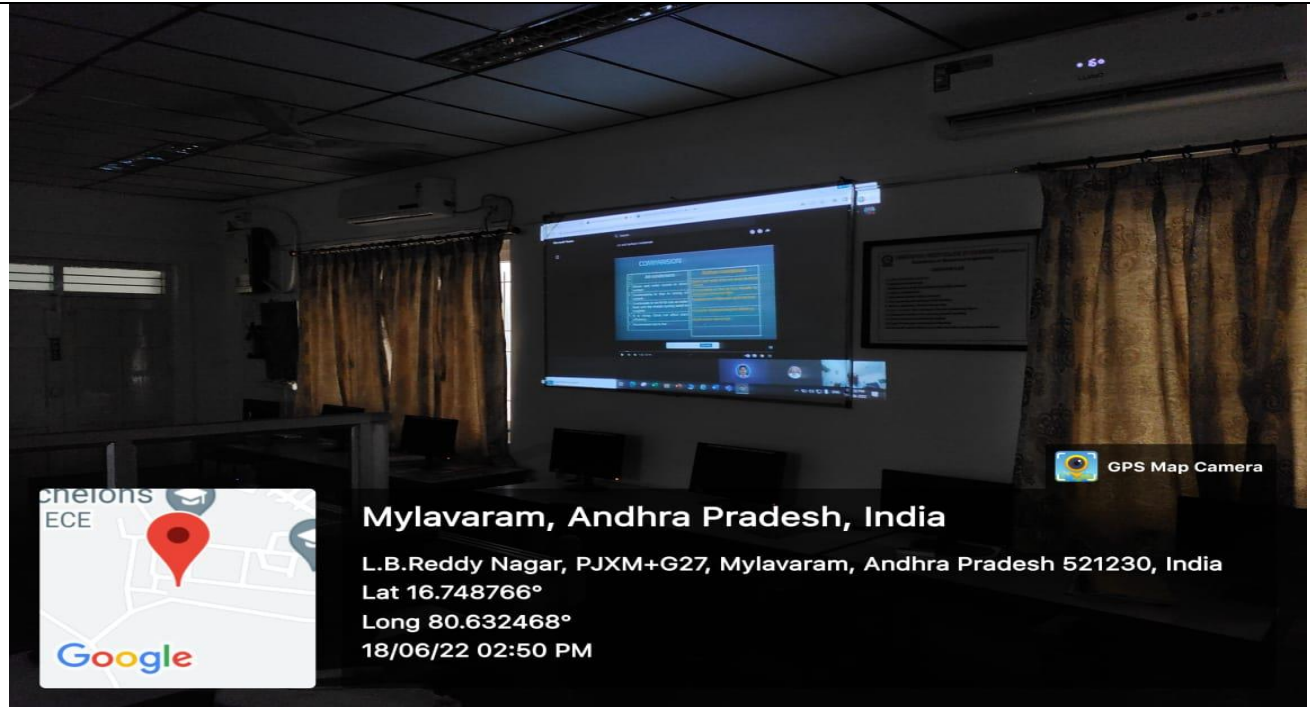
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Friday, 17-06-2022

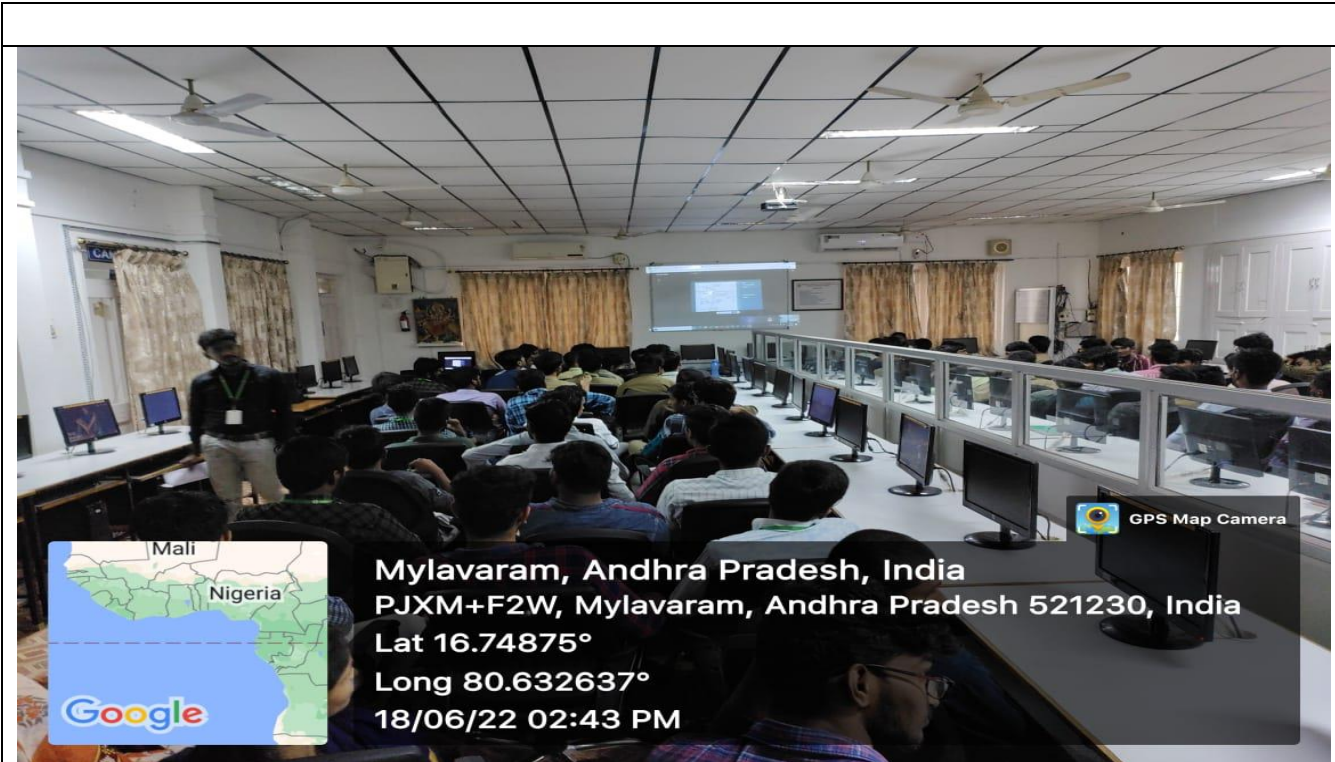
Day-4, Saturday, 18-06-2022

Students listening to the Industry Expert Lecture on Steam Turbines Topic by Mr.A.Bala Prasad

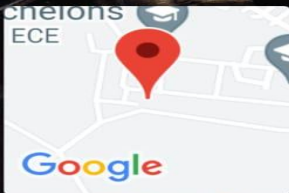


Mylavaram, Andhra Pradesh, India

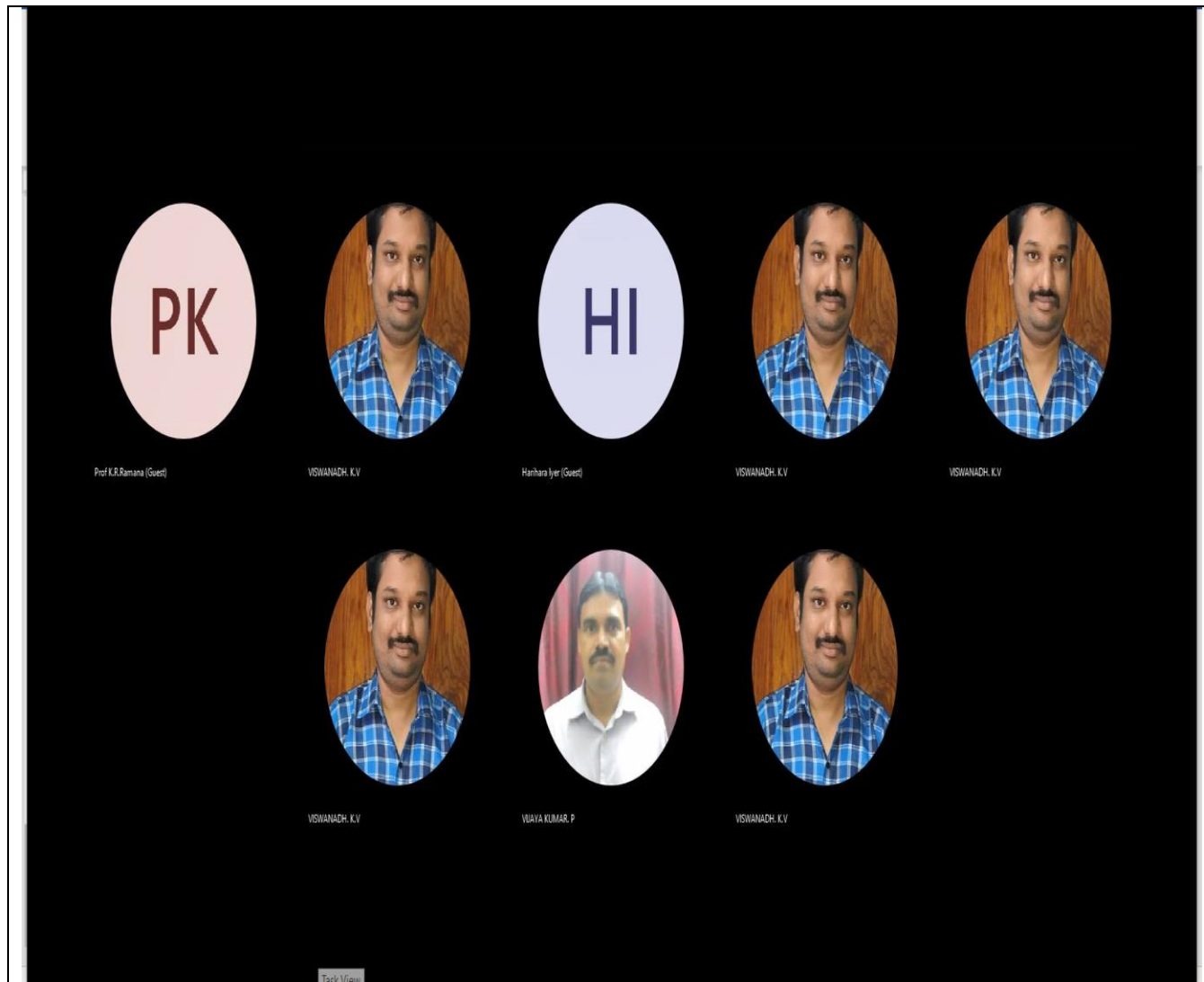
L.B.Reddy Nagar, PJXM+G27, Mylavaram, Andhra Pradesh 521230, India
Lat 16.748766°
Long 80.632468°
18/06/22 02:50 PM



Mylavaram, Andhra Pradesh, India
PJXM+F2W, Mylavaram, Andhra Pradesh 521230, India
Lat 16.74875°
Long 80.632637°
18/06/22 02:43 PM



Mylavaram, Andhra Pradesh, India
L.B.Reddy Nagar, PJXM+G27, Mylavaram, Andhra Pradesh 521230, India
Lat 16.748758°
Long 80.632438°
18/06/22 02:54 PM



Outcome of the Event: The 133 student participants who attended the Guest Lecture expressed their satisfaction on the topics covered by the Industry Expert, Mr.A.Bala Prasad, and enhanced their knowledge on various aspects of steam turbines, salient features, characteristics, materials for steam turbine blades.

Feedback / Suggestions given by students:

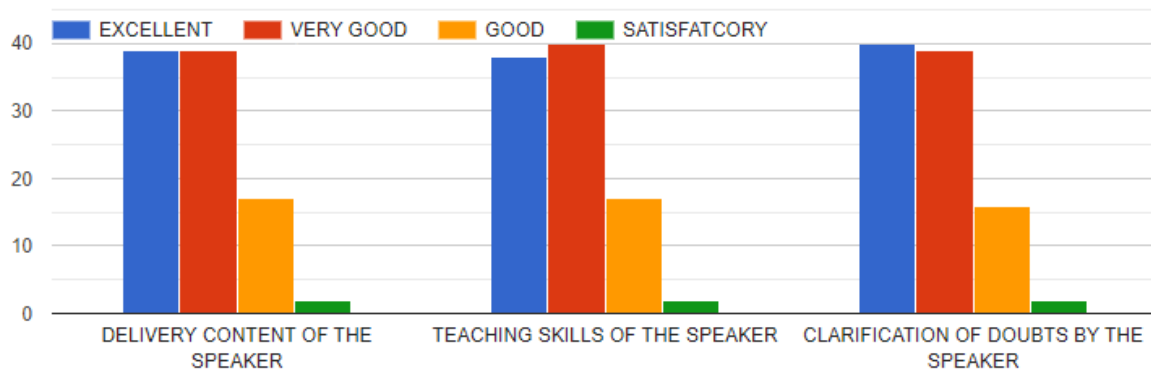
1. To provide animation videos for clarity of understanding of the concepts
2. To play short duration GIF files

Feedback Report: The student participants gave their feedback on the guest lecture and the responses were shown in the form of graph given below.

Feedback Analysis for Guest Lecture on “Steam Turbines” as a Partial content delivery in the subject Applied Thermodynamics for B.Tech-IV semester students

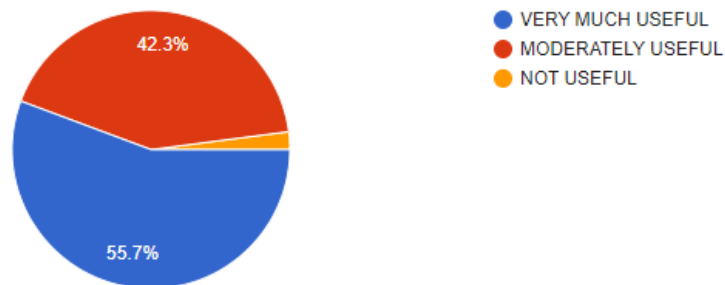
Industry Expert, Mr.A.Bala Prasad, Deputy Executive Engineer, Dr.Narla Tata Rao Thermal Power Station, Ibrahimpatnam, Vijayawada

Please make indicative your satisfaction for the following aspects of the event



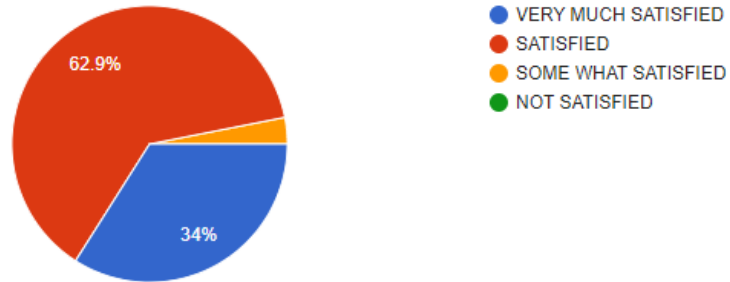
IS THE TOPIC COVERED USEFUL FOR THE PARTICIPANTS?

97 responses



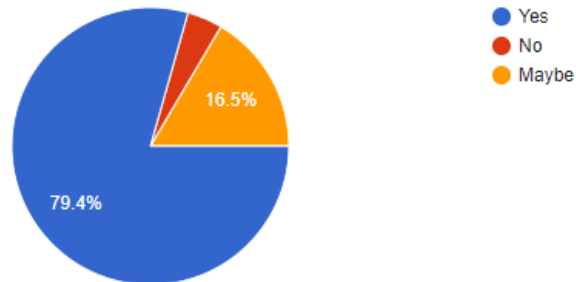
LEVEL OF SATISFACTION OF THE SESSION

97 responses



Are you likely to participate in one of our events in the future?

97 responses



S. Akhila
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Dept. of Mechanical Engineering
LAKIREDDY BALI REDDY COLLEGE OF ENGG
MYLAVARAM - 521 230, Krishna Dt., A.P.