

**A.Y.2022-23**



**LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING**

**(AUTONOMOUS)**

**Accredited by NAAC & NBA (CSE, IT, ECE, EEE & ME)**

**Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada**

**L.B.Reddy Nagar, Mylavaram-521230, Krishna Dist, Andhra Pradesh, India**

**DEPARTMENT OF MECHANICAL ENGINEERING**

**ISHRAE Student Chapter of LBRCE**

**Technical Talk by Mr.K.R.T, Prasad, Technical Chair,**

**ISHRAE Vijayawada Chapter**

**on “ Fundamentals of Refrigeration and Air-conditioning and  
Ventilation Systems” followed by**

**LBRCE-ISHRAE student chapter installation and CWC  
members Swearing on ceremony and Demonstration of Window  
Air-conditioner unit**

Event Type : Guest Lecture and Demonstration of window air-conditioner unit

Date / Duration : 12-09-2022/ 10:00 AM-3:30 PM

Resource Person : 1) Mr.K.R.T.Prasad, Technical Chair, ISHARE Vijayawada  
Chapter  
2) Ms.Saandeepani Vajje, President, ISHARE Vijayawada  
Chapter

Name of Coordinator : Dr.P.Vijaya Kumar

Target Audience : All ISHRAE registered students and Non-ISHRAE students

Total no of Participants: 165

Objective of the event: To make the understand the fundamentals of Refrigeration and Air-conditioning and Ventilation Systems and practically observed the working of a window air-conditioning unit in a live demonstration by ISHRAE Vijayawada chapter Technical persons

Outcome of event : 1) Students were able to know the fundamentals of refrigeration and air-conditioning and ventilation systems used in HVAC industry and have seen the live demonstration of a window air-conditioner unit its parts and working principles..

2) Students got their doubts clarified with the Resource Person on various technical aspects.

#### Description / Report on Event:

A guest lecture was organized by ISHRAE Student chapter of LBRCE in association with ISHRAE Vijayawada Chapter on “Fundamentals of Refrigeration and Air-conditioning and Ventilation Systems” followed by Renewal and CWC members swearing in ceremony followed by live demonstration of window air-conditioning unit held on 12-09-2022. The technical talk was delivered by resource person Mr.K.R.T.Prasad, Technical Chair, ISHRAE Vijayawada Chapter and Ms.V.Saandeevani, President, ISHRAE Vijayawada Chapter acted as Chief Guest for the swearing in ceremony for chapter installation and electing new CWC members of ISHRAE student chapter of LBRCE. The resource person has delivered the talk in a very lucid and easy to understand manner to the participants. He has provided good number of examples and have shown the videos for making the students understand and motivated them. The resource person made students to get awareness on the opportunities in the HVAC & Refrigeration domain locally and globally. He emphasized on the strong technical knowledge required in students to grab the opportunities. The attendees were very much satisfied by attending the webinar.

The programme of swearing in ceremony of CWC members by Ms.P.Anusha, Student Chair, ISHRAE Vijayawada Chapter, was held soon after the guest lecture. The guest lecture and CWC members swearing in ceremony sessions started at 2 PM and continued up to 3.30PM.

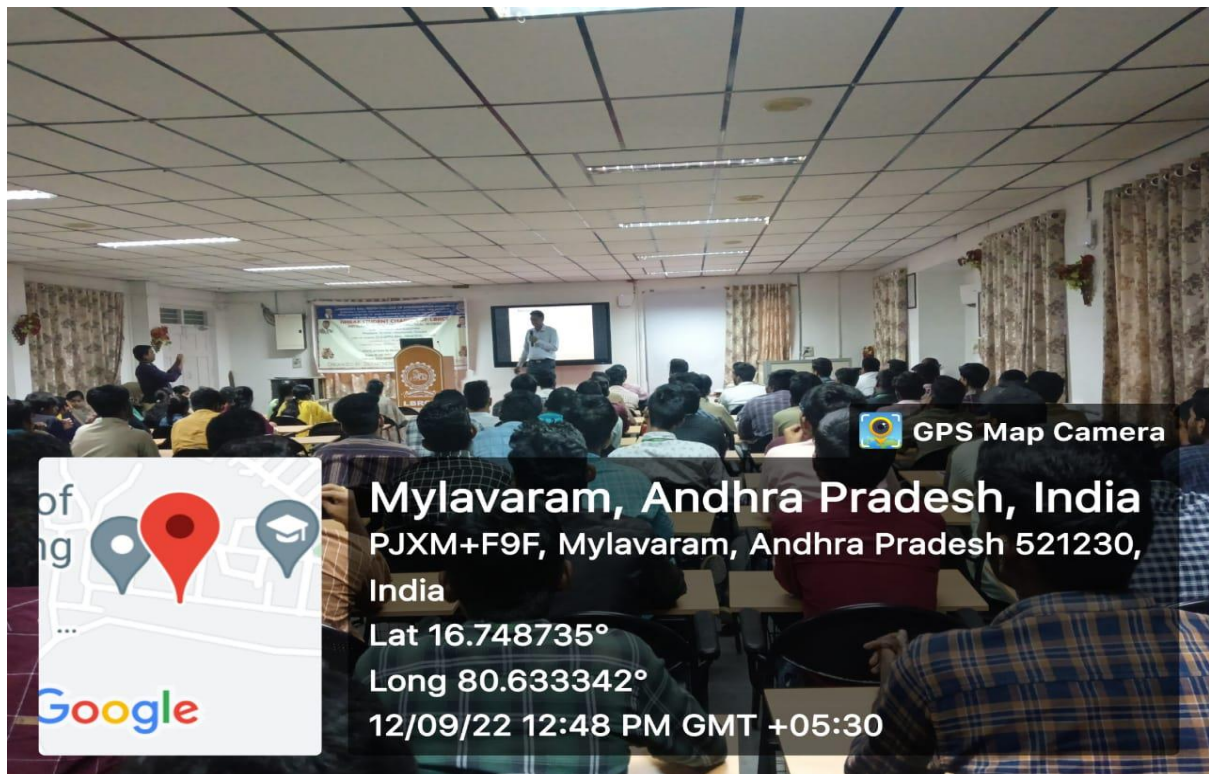
Feedback / Suggestions: The students felt very happy about the event and they enriched the knowledge and get exposure to the working parts and function of window air-conditioner.

Photographs :

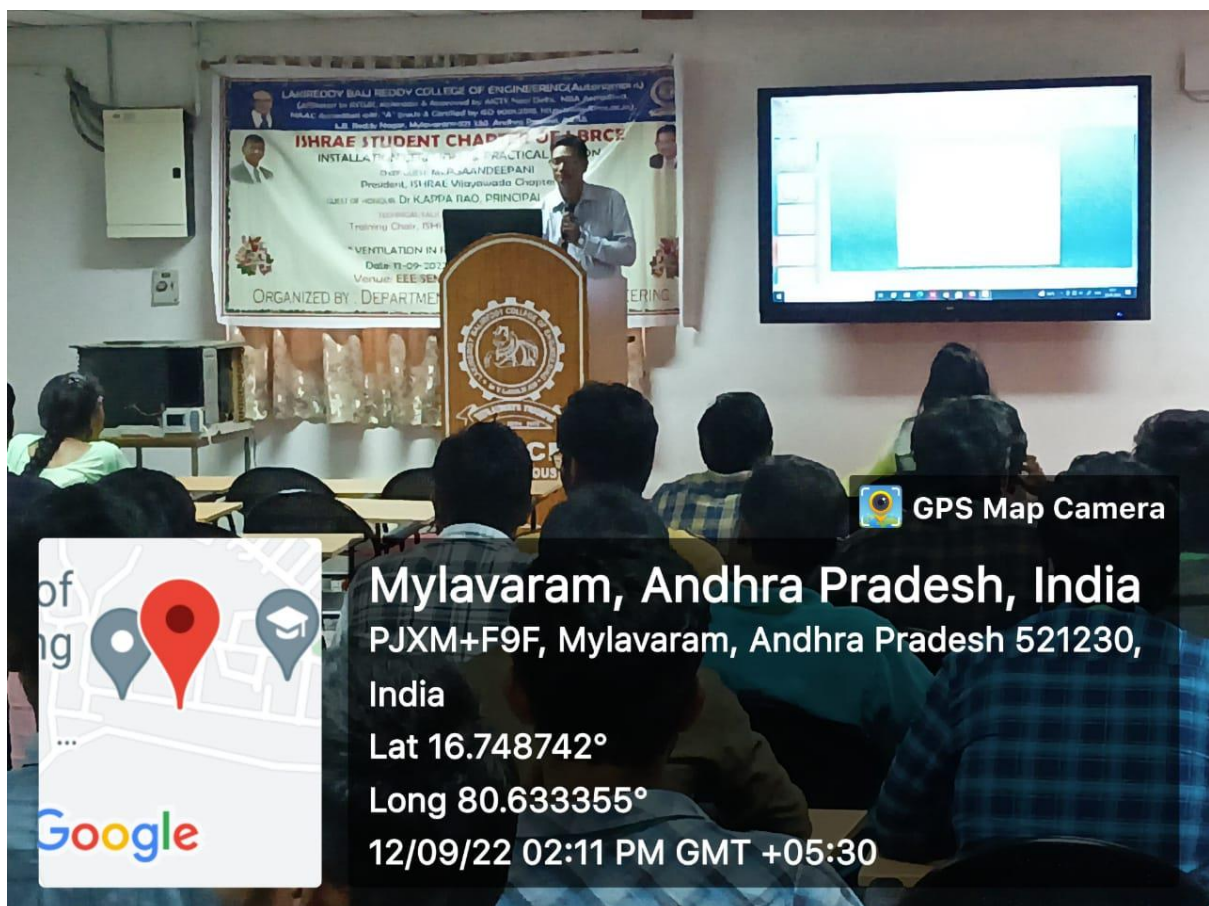


Presentation by Mr.K.R.T.Prasad, Technical chair, ISHRAE Vijayawada Chapter





Students listening to the Presentation by Mr.K.R.T.Prasad, Technical chair, ISHRAE Vijayawada Chapter



Presentation by Mr.K.R.T.Prasad, Technical chair, ISHRAE Vijayawada Chapter





Oath taking ceremony done by Ms.V.Saandeevani, President, ISHRAE Vijayawada Chapter



Oath taking ceremony done by Ms.V.Saandeevani, President, ISHRAE Vijayawada Chapter

Ms.G.Sadhana and Ms.U.Tejaswi taking their oath as CWC members

*S.P. Reddy*  
HEAD  
Dept. of Mechanical Engineering  
LAKSHMI NARAYANA COLLEGE OF ENGINEERING  
MYLAVARAM - 521 230, Krishna Dist. A.P.

(Dr.S.Pichi Reddy)



**LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING**

**(AUTONOMOUS)**

**Accredited by NAAC & NBA (CSE, IT, ECE, EEE & ME)**

**Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada**

**L.B.Reddy Nagar, Mylavaram-521230, Krishna Dist, Andhra Pradesh, India**

**A.Y.2022-23**

## **DEPARTMENT OF MECHANICAL ENGINEERING**

### **ISHRAE STUDENT CHAPTER OF LBRCE**

#### **REPORT ON EVENT**

#### **“INDUSTRY VISIT TO MOHAN SPINTEX INDIA LIMITED, INDUSTRIAL PARK, MALLAVALLI”**

Event Type	:	Industry Visit of ISHRAE Students from B. Tech-III, V and VII Semester students to M/s Mohan Spintex India Limited, Industrial Park, Mallavalli
Date / Duration	:	29 <sup>th</sup> October 2022
Name of Industry	:	M/s Mohan Spintex India Limited, Industrial Park, Mallavalli
Faculty Accompanied :		Mr.S.Rami Reddy & Mr. S.Uma Maheswar Reddy NT staff – Mr.V.Ravinder Reddy
Total no of students	:	50
Objective of the event:		To get exposure to the humidification plant, air conditioning, ventilation units
Outcome of event	:	Students acquired knowledge on different processes of making the yarn, spinning, weaving, dyeing, packing sections. In this process students visited the humidification plant, air conditioning, Ventilation units and understood the importance of each unit in getting the final product in the expected quality.

#### **Description / Report on Event:**

The total 49 number of II, III and IV B.Tech Students who were taken the ISHRAE student membership under the ISHRAE student chapter of LBRCE run by the Department of Mechanical Engineering along with Co-ordinator accompanied by three staff members (including 2 Teaching & 1 Non-Teaching) visited M/s Mohan Spintex India Limited, Industrial Park, Mallavalli unit, Vijayawada on 29-10-2022, Saturday. The main objective of the visit is to bridge the gap between industry and academia. This is a very large industry with an annual turn over of 1000 crores with

four plants located in A.P. The unit in Mallavalli is the fourth unit of the company where all complete fabric is manufactured in different designs as per customer requirements.

After arriving the industry, the students were divided into two batches and they were taken to observe the making of yarn from the raw material, spinning section, weaving section, dyeing section, packing sections. In this process students also exposed to the humidification plant, air conditioning, ventilation units. The concerned technical staff explained neatly the step by step processes in each and every section to the student understanding level. They have taken the students to the water recycling plant, power plant run by rice husk, quality control and packing sections also. The students have also observed the different fabrics displayed in the unit got idea about different stages of manufacturing i.e., from raw material to end product. The staff also explained the importance of energy conservation aspects, best practices and environmental concerns to the students.

Feedback / Suggestions: The students felt very happy and they expressed that they have learnt a lot about the making of yarn from the raw material, spinning section, weaving section, dyeing section, packing sections, humidification plant, air conditioning, ventilation units. They have understood the importance of maintaining the required R.H value for obtaining quality product.

Photographs: The following are the photographs of Industrial Visit of ISHRAE Student members to M/s Mohan Spintex India Limited, Industrial Park, Mallavalli





Students listening to the instructions given by staff of Mohan Spintex India Ltd, Mallavalli



Students listening to the staff of at rise husk based power plant at Mohan Spintex India Ltd, Mallavalli



Students listening to the staff of water treatment plant at Mohan Spintex India Ltd, Mallavalli



Students listening to the staff of water treatment plant at Mohan Spintex India Ltd, Mallavalli



Students listening to the instructions of staff at Mohan Spintex India Ltd, Mallavalli



Group Photo of the Students with Mohan Spintex Staff at Mohan Spintex India Ltd, Mallavalli



Head of the Department (Dr.S.Pichi Reddy)



Students traveling in Bus to Mohan Spintex Ltd



Students are listening to PPT at Seminar hall Mohan Spintex India Ltd, Mallavalli



**A.Y.2022-23**



**LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING**

**(AUTONOMOUS)**

**Accredited by NAAC & NBA (CSE, IT, ECE, EEE & ME)**

**Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada**

**L.B.Reddy Nagar, Mylavaram-521230, Krishna Dist, Andhra Pradesh, India**

**DEPARTMENT OF MECHANICAL ENGINEERING**

**ISHRAE Student Chapter of LBRCE**

**ACREX Local Chapter Level Quiz Competition**

**Organized by the team of ISHRAE Vijayawada Chapter at  
LBRCE Campus on 30-01-2023**

Event Type : ACREX-2023 Quiz Competition Chapter Level Event

Date / Duration : 30-01-2023/ 11:00 AM- 4:00 PM

Resource Person : 1) Ms.Saandeepani Vajje, President, ISHARE Vijayawada  
Chapter

Name of Coordinator : Dr.P.Vijaya Kumar

Target Audience : All ISHRAE registered students of LBRCE, Mylavaram and PVPSIT,  
Kanur, Vijayawada.

Total no of Participants: 8 teams from LBRCE and 4 teams from PVPSIT

Objective of the event: To make the students exposed to a kind of environment where they can be tested of their in-depth knowledge in the domain of refrigeration and air- conditioning, critical thinking, remembering, comprehension, evaluating levels by participating in the ACREX-2023 chapter level quiz competition conducted by ISHRAE Vijayawada chapter.

Outcome of event : 1) Students were able to show case their talent in quiz competition elimination round and main rounds comprised of four levels, like rapid round, one big question.

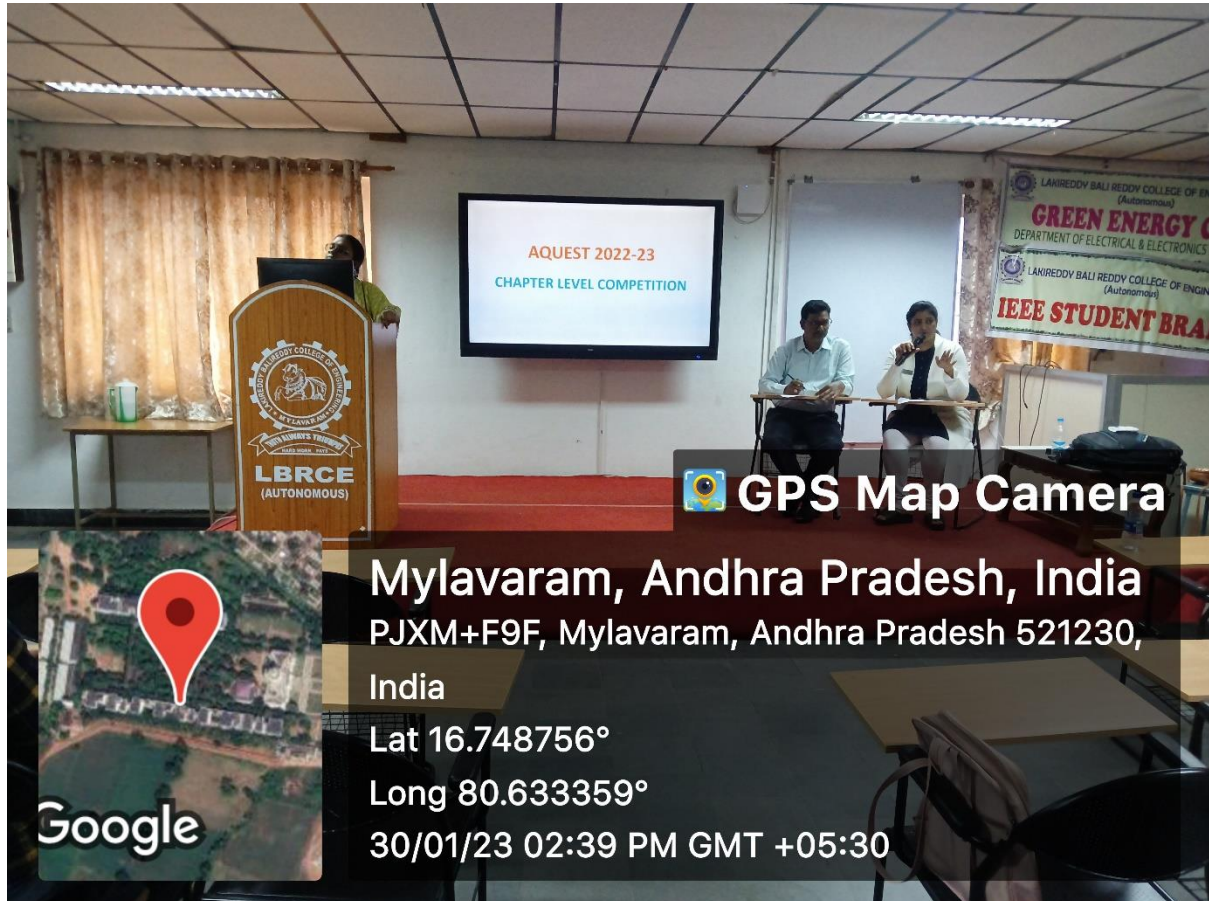
Description / Report on Event:

ACREX a chapter level quiz competition was held on 30-01-2023 in the campus of Lakireddy Balireddy College of Engineering, Mylavaram jointly organized by ISHRAE Student chapter of LBRCE in association with ISHRAE Vijayawada Chapter on. The quiz competition was total three rounds. The first round is elimination round. I the second round that is main round there are three sub rounds. The resource person Ms.V.Saandeepani, President, ISHRAE Vijayawada Chapter acted as Convener for the

program along with women chair Ms.Guna Sahithi of ISHRAE. The quiz program went nicely and the students who got first, second and consolation were announced by Ms.V.Saandeevani, President, ISHRAE Vijayawada Chapter. The program concluded at 4.00PM.

Feedback / Suggestions: The students gave a very good feedback on the overall organization of the ACREX Quiz competition.

Photographs :

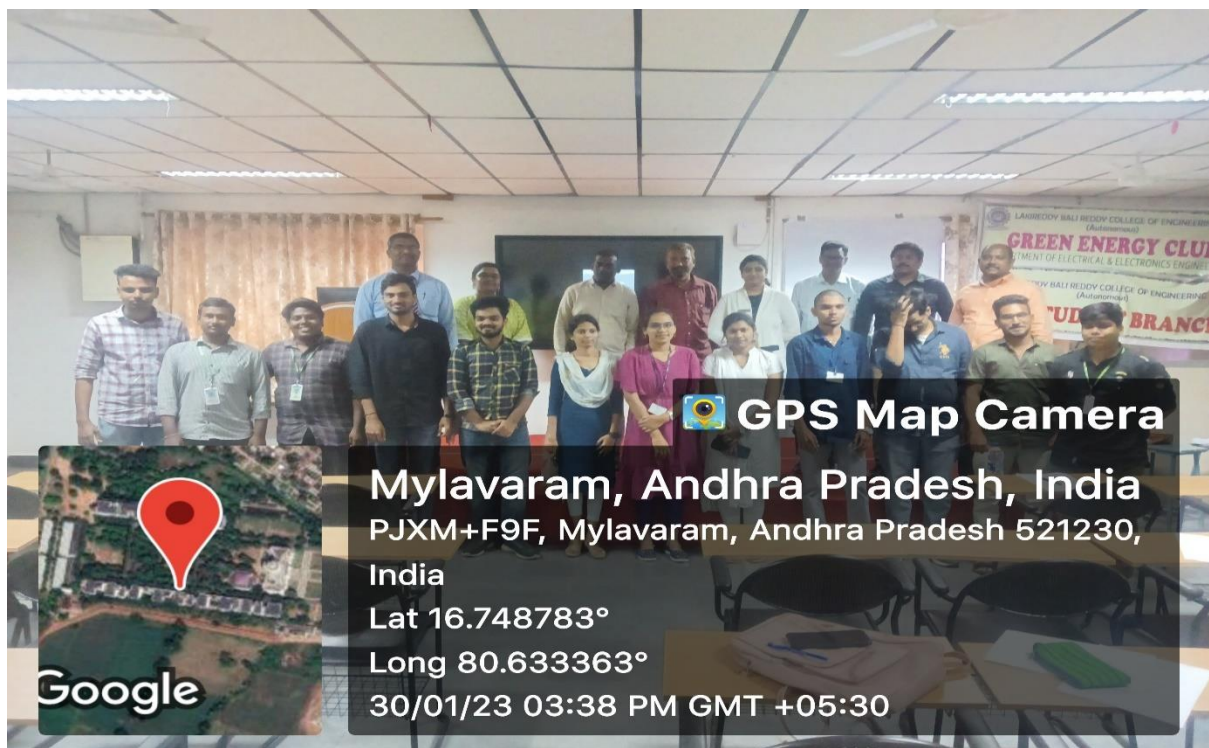


Students listening to the instructions, rules and guidelines of ACREX event by Ms.Saandeevani, President, ISHRAE Vijayawada Chapter





ISHRAE Student members listening to the instructions of the ACREX quiz organizer Mr.K.R.T.Prasad, Technical chair, ISHRAE Vijayawada Chapter



The ISHRAE student member participants and the ACREX event Convener Ms.V.Saandeepani, President, ISHRAE Vijayawada Chapter CWC members group photo after the results are announced



The ISHRAE student member winners of ACREX event Convener Ms.V.Saandeepani,  
President, ISHRAE Vijayawada Chapter CWC members group photo

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

(Dr.S.Pichi Reddy)