

A.Y.2023-24



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.A.V.Pulla Rao,

Past President ISHRAE Vijayawada Sub-Chapter

on “History and Evolution of HVAC & R” 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 : 27-10-2023/ 10:00 AM-4:00 PM

Resource Person : 1) Mr.A.V.Pulla Rao, Past President, ISHARE Vijayawada
Sub-Chapter
2) Mr.U.Siva Satyanarayana, President ISHRAE Vijayawada Chapter
3) Ms.Saandeepani Vajje, Imm. Past President, ISHARE Vijayawada
Chapter acted as Chapter Installation Officer

Name of Coordinator : Dr.P.Vijaya Kumar/ Mr.K.Lakshmi Prasad/Mr.K.Sai Babu

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

Total no of Participants: 148

Objective of the event: To know the history and evolution of HVAC & R industries and to make the students 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 gone through the glimpses of history and evolution of HVAC & R domain, its variety of products, materials , manufacturing, latest

technologies, used in HVAC industry after then the ISHRAE team have shown live demonstration of a window air-conditioner unit with 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 “History nas Evolution of Heating Ventilation Air-conditioning and Refrigeration Systems” followed by Student chapter renewal and CWC members swearing in ceremony followed by live demonstration of window air-conditioning unit held on Friday, 27-10-2023. The technical talk was delivered by resource person Mr.A.V.Pullu Rao Past President, ISHRAE Vijayawada Sub-Chapter and Mr.U.Siva Satyanarayana, ISHRAE Vijayawada Chapter acted as Chief Guest and Ms.V.Saandeepani, Imm.Past President, ISHRAE Vijayawada Chapter acted as Presiding Officer for the swearing on ceremony for chapter installation with the newly constituted team of Office bearers and 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 technical talk.

The programme of swearing in ceremony of CWC members by Ms.V.Saandeepani, Imm.Past President, ISHRAE Vijayawada Chapter, which was held in the morning session. The technical talk and practical session was started at 2 PM and continued up to 4PM.

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.

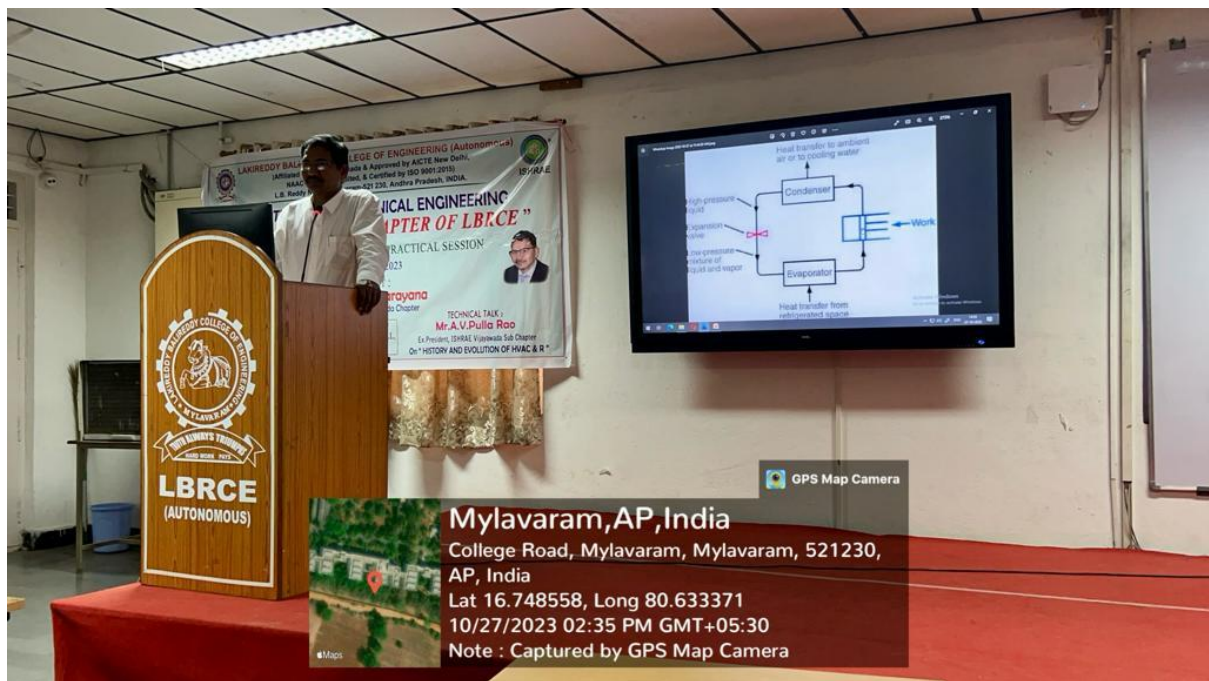
Photographs :



Mr.K.Praveen taking oath as President of ISHRAE Student Chapter of LBRCE



Students attended the ISHRAE Student Chapter Installation Ceremony and Guest Lecture



Mr.A.V.Pullu Rao, Past President ISHRAE Vijayawada Sub-Chapter delivering the Guest Lecture on “ History and Evolution of HVAC & R”



ISHRAE Team members, LBRCE Faculty and Student attendees in the Seminar Hall



Oath taking ceremony done by Ms.V.Saandeevani, Imm Past President, ISHRAE Vijayawada Chapter and CWC members of student chapter taking oath



After the Oath taking ceremony done by Ms.V.Saandeevani, Imm Past President, ISHRAE Vijayawada Chapter the newly constituted student chapter office bearers Left to right Mr.K.Praveen , President, Mr.G.Chaitanya Naveen, President Elect, and CWC members taking photograph with ISHRAE Vijayawada Chapter Team Members



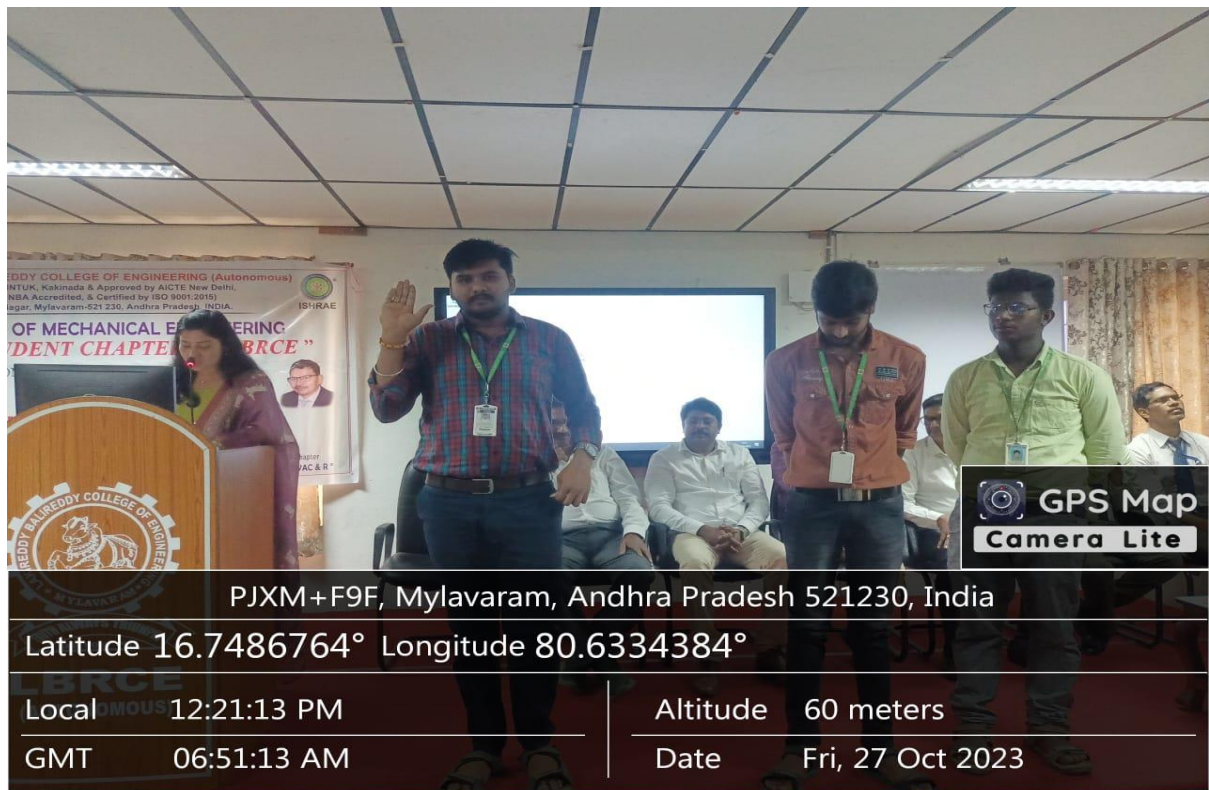
ISHRAE Expert explaining the function of window air conditioner to the students



ISHRAE Expert explaining the function of window air conditioner to the students



ISHRAE Experts interacting with the student aspirants to become Entrepreneurs



Oath taking ceremony done by Ms.V.Saandeevani, Imm Past President, ISHRAE Vijayawada Chapter and Mr. K.Leela Bharath taking oath as Secretary of student chapter



Felicitaton and Memento presented to Team members of ISHRAE Vijayawada Chapter

Dr.P.Vijaya Kumar

Co-ordinator, ISHRAE Student Chapter



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.2023-24

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-IV and VI Semester students to M/s Mohan Spintex India Limited, Industrial Park, Mallavalli

Date / Duration : 09th January 2024

Name of Industry : M/s Mohan Spintex India Limited, Industrial Park, Mallavalli

Faculty Accompanied : Mr.K.lakshmi Prasad & Mr. S.Uma Maheswar Reddy

Total no of students : 38

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 38 number of B.Tech - IV Semester and VI semester 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 two faculty members visited M/s Mohan Spintex India Limited, Industrial Park, Mallavalli unit, Vijayawada on 09-01-2024, Tuesday. 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 at weaving section given by staff of Mohan Spintex India Ltd, Mallavalli



Students listening to the PPT presentation by staff in the conference room 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 at threading section Mohan Spintex India Ltd, Mallavalli



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

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



Group Photo of Students at Mohan Spintex India Ltd, Mallavalli

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

ISHARE Student Chapter In-charge
(Dr.P.Vijaya Kumar)

HoD
(Dr.M.B.S.S.Reddy)