



# **ISHRAE-MCKVIE STUDENT CHAPTER**

## **A BRIEF INTRODUCTION**

# MCKVIE-ISHRAE STUDENT CHAPTER INSTALLATION



The installation programme was attended by Prof.(Dr.) S. P. Gon Choudhry as chief guest, who is a leading scientist in the field of Solar Energy.

The installation of ISHRAE Student Chapter was done on 26<sup>th</sup> March, 2015.

The Charter of The ISHRAE Student Chapter was established on the same day.

The installation ceremony was attended by eminent professionals from the HVAC industry who are also professional members of ISHRAE



# MCKVIE-ISHRAE STUDENT CHAPTER INSTALLATION



The ISHRAE Student chapter already has 53 pro-active members from the Mechanical Department guided by our Professor in Charge, Prof. Suvanjan Bhattacharya.

# A PEEK INTO ISHRAE....



- ❖ The Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE), was founded in 1981 at New Delhi by a group of eminent HVAC&R professionals.
- ❖ ISHRAE today has more than 10,000 HVAC&R professionals and 3,000 students as members with 40 chapters and sub chapters across India.
- ❖ ISHRAE's primary objective is the advancement of the art and sciences of Heating, Ventilation, Air Conditioning, Refrigeration Engineering & other related Building Services.
- ❖ ASHRAE which is the American Society of Heating, Refrigerating and Air Conditioning Engineers is its parent organisation.

# EVENTS ORGANIZED BY ISHRAE

- ISHRAE conducts conferences, seminars, workshops and catalogue shows throughout the country with both national and international participation on the latest in terms of technologies, systems and services.
- ISHRAE organizes ACREX, the largest international exposition in South Asia on the air conditioning, refrigeration, ventilation and building service industry. Held annually, ACREX is considered to be a major platform to display the latest technologies and innovations and to also find buyers for existing products and services.
- ISHRAE publications strive to help its members keep up to date with the happenings, learn new techniques, improve old designs and adopt the use of new devices to improve indoor air quality in our buildings. The ISHRAE standards, the guide books, the fundamentals booklets, the HVAC, refrigeration and ventilation handbooks and the ISHRAE Journal are a few such initiatives.

# EVENTS ORGANIZED BY ISHRAE

CONTINUED....

- ISHARE promotes research in the field of products or techniques/technology aimed at specific end use. It envisages active user involvement and association in the development effort.
- ISHRAE Institute of Excellence (IIE), the education arm of the Society, is working towards human resource development in the HVAC&R industry in the country through its class room and distance learning programs.
- ISHRAE students chapters in more than 150 engineering colleges is promoting careers in the HVAC&R industry amongst the students through seminars, quizzes, plant and site visits.
- The K-12 initiative of ISHRAE is focused on school students, in making them aware of the energy conservation and environmental concerns through sit and draw competition, poster design, quizzes and planting of trees.

# BENEFITS OF ISHRAE STUDENT CHAPTER

- Membership of one of the vibrant professional bodies.
- Access to ISHRAE Journal.
- Participation in National level Quiz & Design Competitions.
- Interaction with professionals
- Discounts on ISHRAE Books.
- Fee Concession in Local ISHRAE Chapter programs .
- Student Internship Opportunities.
- Grants for Project work.
- Develop leadership potential and enhance your resume.

# DISTINGUISHED LECTURER PROGRAMME UNDER ISHRAE KOLKATA CHAPTER



ISHRAE Kolkata Chapter and ASHRAE Kolkata section had jointly organized a Workshop on BUILDING ENERGY LABELLING AND RATING PROGRAM on 23<sup>th</sup> March, 2015.

The eminent speaker was **Mr Ross MONTGOMERY**, who is a Distinguished Lecturer of ASHRAE and a professional engineer with an experience of 33 years.



# DISTINGUISHED LECTURER PROGRAMME UNDER ISHRAE KOLKATA CHAPTER

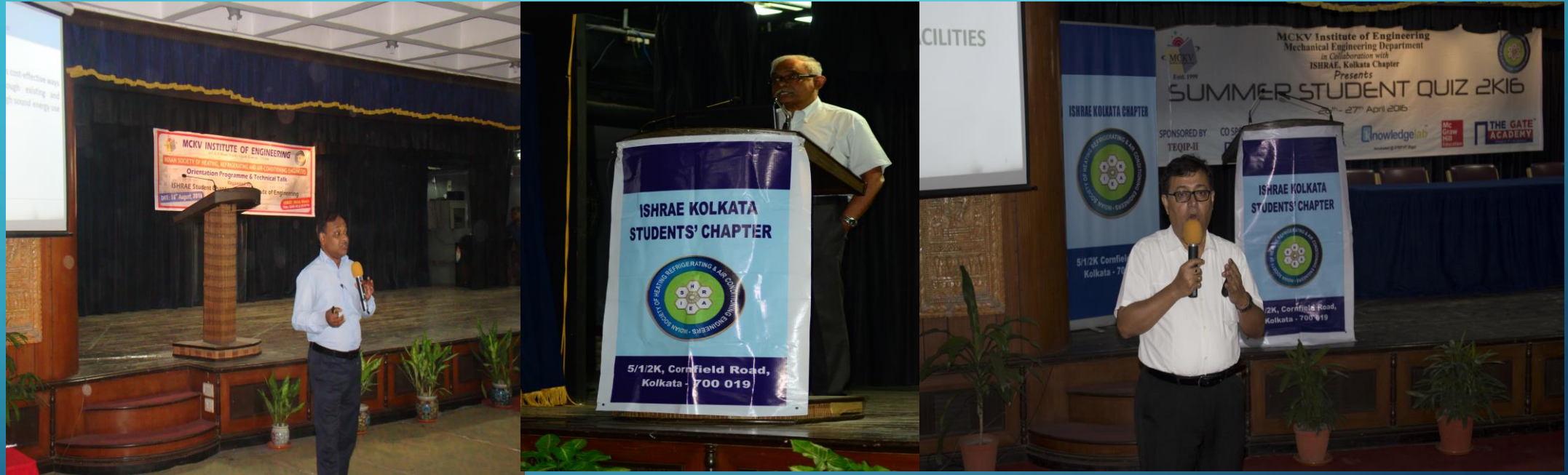


**Prof. (Dr.) Himadri Chattopadhyay**  
**Professor of Mechanical Engineering Department.**  
**Jadavpur University.**



**Prof. (Dr.) Swarnendu Sen**  
**Professor of Mechanical Engineering Department.**  
**Jadavpur University.**

# DISTINGUISHED LECTURER PROGRAMME UNDER ISHRAE KOLKATA CHAPTER



**Distinguished lecturer from HVAC & R Industry.  
Mr. Amit Chowdhury, Mr. Prabir Sen and Mr. Monoj Chakraborty**

# ISHRAE STUDENT PROJECT FINANCIAL ASSISTANCE PROGRAMME

The ISHRAE Student Project financial assistance programme provides grants to under graduate students to carryout research or creative projects with the goal of increasing student knowledge, learning and awareness of the HVAC industries.

The Students of our college have come up with unique project ideas and we have already submitted them to ISHRAE for project funding. Few of the projects are:

- ❑ Optimization by Experimental investigation on the effects of coiled capillary tube geometry on Vapor Compression Refrigeration System performance at various load conditions.
- ❑ Design and experimentation of a geothermal air-conditioner. Geothermal refers the use of earth as a heat source and heat sink as per usage of the air conditioner as heat pump or air cooler respectively.

# R&D GRANT

Title of the Project	Funding Agency	From	To	Duration of the Project
Design and Experiment of a Geothermal Air-Conditioner” – Rs 74,000.00	Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE)	Jan. 2016	July, 2016	6 Months

# INDUSTRY VISIT

**INDUSTRY VISIT AT GODREJ GENESIS BUILDING BY MCKVIE-ISHRAE STUDENT CHAPTER**

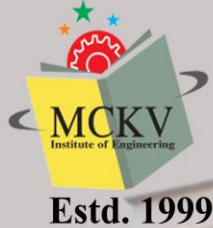


# INDUSTRY VISIT

**INDUSTRY VISIT AT AUTOHUB AND AIRPORT CITY HOTEL BY MCKVIE-ISHRAE STUDENT CHAPTER**



# ESTERN INDIA SUMMMER STUDENT QUIZ 2016



## MCKV Institute of Engineering

(Affiliated to MAKAUT and Approved by AICTE)

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## Mechanical Engineering Department

*in Collaboration with*

**ISHRAE, Kolkata Chapter**

Presents

# SUMMER STUDENT QUIZ 2016

26<sup>th</sup> & 27<sup>th</sup> April 2016

**Venue: Malay Manch**  
11:00 AM - 05:00 PM

### Guest Lectures by:

**Prof. (Dr.) Himadri Chattopadhyay**  
Department of Mechanical Engineering  
Jadavpur University, Kolkata 700032

**Mr. Manoj Chakravorti**  
CEO, Engineering Consultancy Services  
Kolkata

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# ESTERN INDIA SUMMER STUDENT QUIZ 2016





# ESTERN INDIA SUMMER STUDENT QUIZ 2016



# MCKVIE – ISHRAE STUDENT CHAPTER



# MCKVIE – ISHRAE STUDENT CHAPTER



**Prof. (Dr.) Parasar Bandyopadhyay**  
Director, MCKVIE



**Prof. (Dr.) Samir Kumar Saha**  
Dean Academic, MCKVIE



**Prof. (Dr.) Asok Kumar**  
Principal, MCKVIE



**Dr. Ranjib Biswas**  
Asso. Prof. ME Dept, MCKVIE



**Dr. Prasenjit Chatterjee**  
Asso. Prof. & HOD, ME Dept,  
MCKVIE



**Mr. Suvanjan Bhattacharyya**  
Asst. Prof., ME Dept. & Prof. In-  
Charge ISHRAE-MCKVIE Kolkata  
Chapter

The background is a gradient of blue, transitioning from a lighter shade at the top to a darker shade at the bottom. In the four corners, there are decorative white line-art patterns resembling circuit boards or neural networks, with lines and small circles connecting them.

**THANK YOU**