

Report on “A talk on Energy conservation in HVAC”

Title:Energy conservation in HVAC systems

Mapping with 3-Track Programme: Aspirational

Speakers/ Resource personnel: Pramod Daspute, Energy auditor, Faculty PCRA (Petroleum Conservation Research Association)

Date and Time: On 06-02-2023 at 15:00

Session Mode: Offline

Platform (if online): NA

Number of Attendees: 21

Faculty: 1

Student: 20

Number of External Attendees: 0

Social Media Link (Facebook/Twitter/Instagram): NA

YouTube Link: NA

Event Flyer: NA

Link to Registration Form Response: NA

Goals and Objectives:

To study HVAC system from energy conservation point of view.

To know energy conservation opportunities in HVAC system.

To study BEE star rating in HVAC systems.

To study electricity saving methods in HVAC systems

Description:

PCRA faculty and energy auditor Mr. Pramod Daspute (pramoddaspute@rediffmail.com) illustrated importance of energy conservation in general. He then explained the basics of HVAC. He also introduced energy audit basics in HVAC systems. He described energy conservation in HVAC using case studies. The presentation contained the topics eg. 1.Basics of HVAC 2. Basic equations and constants in HVAC 3. Energy saving options in HVAC 4. BEE star rating of AC 5. Data to be collected for chiller plant performance measurement 6. Five case studies The session was useful for the students studying HVAC subject in this semester. “Energy conservation in HVAC” can be considered as a gap in HVAC course curriculum and the guest lecture as a bridging activity.

Event Screenshots/Photos:



Sample Certificate: NA

Organizing Dept/Committee and its Members: Pavan Kulkarni, Assistant Professor,
Department of Mechanical Engineering

Feedback link and analysis:

https://docs.google.com/spreadsheets/d/114h2e7CharpWgKfaoU8Y_11Z3xUNPvIcJNkMeNYqbh8/edit?usp=sharing