



# Event Report

Better HVAC Design Using  
New Options in ANSI/ASHRAE Standard  
62.1-2022

Speaker: Mr. Hoy R.  
Bohanon

Hotel: The Imperial  
Daniell Tavern Hall  
August 26, 2024

Time: 11:00 AM

The students of Mechanical Branch MAIT along with Dr Vaibhav Jain, received the opportunity to attend a technical session on "Better HVAC Design through ASHRAE Standard 62.1" at Hotel Imperial, Janpath on 26 Aug 2024. It was an informative session by Mr Hoy Bohanon regarding design and importance of ventilation system to control indoor Air Quality.

### **Key points of Talk:**

#### **Air Quality Importance and Parameters**

- **Significance of clean air:** Emphasized the critical role of clean air in various settings.
- **Key parameters:** Referenced specific air quality parameters, including PM10, PM2.5, ozone, and others.

#### **Standards and Ventilation Procedures**

- **ASHRAE 62.1:** Mentioned ASHRAE 62.1 as a relevant standard for indoor air quality.
- **VRP:** Discussed the Ventilation Rate Procedure (VRP) for calculating necessary outdoor airflow.
- **Breathing zone:** Defined the breathing zone within a space.
- **Air distribution:** Highlighted the importance of proper air distribution for effective ventilation.

#### **Ventilation Strategies**

- **Stratified ventilation:** Described stratified ventilation for maintaining different air layers.
- **Personalized ventilation:** Mentioned the concept of customizing ventilation for individuals.
- **Ventilation rates (ACH):** Discussed ventilation rates (air changes per hour) for different areas.
- **Contaminant removal:** Emphasized contaminant removal methods, including air cleaning and outdoor air intake.

#### **Standards and Procedures**

- **Standards:** Referenced specific standards (e.g., ASHRAE 62.1) for ventilation guidelines.
- **Ventilation procedures:** Mentioned VRP and JAQP (Joint Air Quality Panel) for determining ventilation rates.

#### **Outdoor Air Intake and Natural Ventilation**

- **Outdoor air intake:** Highlighted the need for outdoor air intake and provided recommendations.
- **Natural ventilation:** Discussed natural ventilation as a potential option.

#### **Other Topics**

- **Air distribution:** Briefly mentioned the importance of proper air distribution.
- **Air cleaning methods:** Mentioned various air cleaning methods.
- **Human microbiome:** Briefly touched on the relationship between indoor air quality and the human microbiome.

**Overall, the conference provided technical information on ventilation and indoor air quality, focusing on ensuring adequate airflow and contaminant removal in various environments.**

#### **Event Photos**

