



Vishnu Waman Thakur Charitable Trust's  
**VIVA Institute of Technology**  
Approved by AICTE New Delhi, Recognized by DTE, Govt. of Maharashtra  
And Affiliated to University of Mumbai  
**NAAC "B++" Grade**

## Department of Mechanical Engineering

<b>Topic Name:</b>	Opportunities in HVAC & R Industry
<b>Name of the Guest Speaker:</b>	Mr. Roshan D'souza & Danison Plavila
<b>Designation:</b>	Assistant Manager
<b>Organization/Institution:</b>	Voltas Limited, Mumbai
<b>Date:</b>	10/10/2023
<b>Time:</b>	11.00-12.30pm

### Programme Summary/Details:

Mr. Plavila commenced his lecture by providing an in-depth overview of the HVAC industry. He elaborated on the significance of HVAC systems in various sectors, emphasizing their role in ensuring indoor air quality, thermal comfort, and energy efficiency. The lecture delved into the technological advancements transforming HVAC systems. Mr. Plavila discussed the integration of IoT (Internet of Things), smart sensors, and automation in HVAC, highlighting how these innovations optimize energy consumption and enhance system performance. He emphasized the importance of staying updated with these advancements for aspiring HVAC professionals.

One of the focal points of the lecture was the diverse career pathways available in the HVAC industry. Mr. Dsouza outlined various specializations such as HVAC design, installation, maintenance, and energy auditing. He also discussed the demand for experts in green building technologies, emphasizing the role of HVAC engineers in sustainable architecture.

He encouraged students to focus on continuous learning and skills enhancement. He highlighted the value of certifications and training programs offered by industry organizations. Additionally, he emphasized the significance of honing soft skills such as communication, teamwork, and project management, which are crucial in the professional world.

