



**Centurion**  
**UNIVERSITY**

*Shaping Lives...  
Empowering Communities...*

Workshop on

## **REFRIGERATION AND AIR CONDITIONING**

in Association with NATIONAL ENGINEERING

**September (5th to 8th) 2017**

**Resource Person: Mr. Khaleel**

**No. of Participants: 56**

The Department of **Mechanical Engineering** organized a Workshop on REFRIGERATION AND AIR CONDITIONING in Association with NATIONAL ENGINEERING from **5<sup>th</sup> to 8<sup>th</sup> September 2017** at Paralakhemundi campus seminar Hall-2, started from 9.30 am – 5.30 pm.

**Participants: B.Tech** (Mechanical 5<sup>th</sup>Sem), **Diploma** (Electrical & Mechanical 3<sup>rd</sup>&5<sup>th</sup> Sem)

**Course Coordinator:** Mr. Sukanta Nayak, Asst. Professor in the Department of Mechanical Engg.

**Resource Person:**The expert **Mr. Khaleel** from Visakhapatnam, who is associated with **National Engineering** (Certified by **ISHRAE**) and he has more than twenty years of experience in the field of Refrigeration & Air-Conditioning.

This course was designed primarily for Mechanical Engineering students to provide them a comprehensive knowledge on Refrigeration and Air-Conditioning Engineering and make them aware about the new technologies and innovations in the field of Refrigeration and Air-Conditioning.

### **Objectives of the Workshop:**

The objectives of this course are to:

- Understand the working principle of Vapour Compression Refrigeration system
- Familiar with the components of Refrigeration & Air-Conditioning
- Familiar with different tools used in Refrigeration & Air-Conditioning
- Aware of troubleshooting & fault detection and maintenance of Refrigeration & Air-Conditioning system
- Learn about heat load calculation of a room and installation of an Air-Conditioning system.

### **Outcomes of the Workshop:**

Upon successful completion of this course, the student will be able to:

- Know about the difference between Refrigeration and Air-Conditioning

Identify different components used in Refrigeration and Air-Conditioning, their functions and interior design & construction.

Know about different types of compressors, expansion valve, condenser, evaporator used in Refrigeration and Air-Conditioning

Know about different types of Refrigerants, Comfort air-conditioning and Psychometric

Perform heat load calculation of a room.

### **Day-1**

**(Refrigeration & Air conditioning workshop , 3<sup>RD</sup>&5<sup>TH</sup>Sem Diploma Electrical Engg Students, No of Students:45)**



**Day-2**

**(Refrigeration & Air conditioning workshop , 3<sup>RD</sup>&5<sup>TH</sup>Sem Diploma Mechanical Engg Students,**

**No of students-70 members**





**Day-3(Refrigeration & Air conditioning workshop, 5<sup>th</sup> B.Tech Mechanical Engg Students, No of Students: 45)**



## Participants List:



CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, ODISHA

WORKSHOP ON "REFRIGERATION AND AIR CONDITIONING"

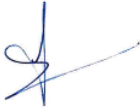
Date - 5/09/2017 to 8/09/2017

ATTENDANCE SHEET

SL.NO.	NAME	FULL SIGNATURE
1	Deepak saho	Deepak Sahoo
2	DEVULAPALLI SHIRDI SAGAR	Devulapalli Sagar
3	Dinesh mukhi	Dinesh mukhi
4	Laxmi Narayan Das	Laxmi Narayan
5	Md jafar hossain	Jafar Hossain
6	Md jawed Akhter	Jawed Akhter
7	Md Oliid iliyas	Md iliyas
8	Milan Prusty	Milan prusty
9	Om Tanmay Parija	Tanmay parija
10	Prabhu Prasad Das	prabhu prasad das
11	Prajna. Paramita aparajeeta	
12	Pralaya Swain	pralaya Swain
13	Pritam Kumar Tripathy	Pritam Tripathy
14	Pritiranjana pattanaik	prতিরঞ্জনা
15	Pujarani das	pujarani das
16	Rakesh swain	
17	Rashmiranjan Rout	Rashmiranjan
18	Rati Ranjan Sabat	Rati Ranjan Sabat
19	Rohit Kumar	Rohit Kumar
20	Rudra Pratap Padhi	Rudra pratap

21	Sabyasachi Dalabehera	Sabyasachi
22	Sagar kumar majhi	Sagar Majhi
23	Sambit biswal	Sambit biswal
24	Sanaj kumar sahh	Sanaj kumar sahh
25	Sandeep Dehury	Sandeep Dehury
26	Sandeep Kumar das	
27	Santanu Ghosh	Santanu Ghosh
28	sanyash chandra bhagat	
29	Saras ram dash	Saras dash
30	Sasanka sekhar acharya	Sasanka acharya
31	Saugat Kumar Shaw	Saugat Shaw
32	Shailesh Hessa	Shailesh Hessa
33	Sibasundar Mirda	Sibasundar mirda
34	Sitaram Behera	Sitaram behera
35	Soumya Ranjan Das	Soumya Ranjan
36	Soumya Ranjan Ojha	Soumya
37	Soumyaranjan pradhan	Soumyaranjan pradhan
38	Soung Sampurna Swain	Sampurna swain
39	Subhrajeet nayak	Subhrajeet
40	Sukhetra Ranjan Sahu	Sukhetra Sahu
41	Suryakanta Rout	Suryakanta
42	Tukuli Jena	
43	Uddesh Kumar Pati	Uddesh pati
44	UTTAM KUMAR MAHATO	Uttam Kumar
45	Vijay kumar mahto	Vijay mahto

46	Aayush labh	
47	Abhijit Sahoo	-Abhijit Sahoo
48	Abhishek Prasad	Abhishek Prasad
49	Aditya kar	Aditya Kar
50	Akash Kumar	Akash Kumar
52	Arun Alok Mahakud	Arun Alok
51	Arun kumar murmu	Arun Kumar
52	Aryaman Nayak	Aryaman Nayak
53	Asit kumar Sahoo	Asit Kumar
54	Aswini Kumar Biswal	Aswini Kumar Biswal
55	Barnali Rout	Barnali Rout
56	Basudev Nayak Acharya	Basudev Acharya



Prof. KVD Prakash  
Dean - IIE & HRD



Dr. Prasanta Ku. Mohanty  
Dean Academic