

## REPORT ON WORKSHOP

### Title: **DESIGN OF CLIMATIZER AIR COOLERS**

Nalla Narasimha Reddy Educational Society's Group of Institutions School of Engineering Department of Electrical & Electronics Engineering had organized A Two day technical Workshop on "**DESIGN OF CLIMATIZER AIR COOLERS**" on 14<sup>th</sup> & 15<sup>th</sup> Feb-2017.

Inaugural function of workshop was started at 9:50 am in the presence of our dynamic Dean, School of Engineering Dr. G. Janardhana Raju garu, Dean School of management Dr. V.Venkata Rao garu, HOD-EEE Mr. T.C. Subramanyam garu, TPO – Jairam garu, faculty members of EEE department and student participants.

All the dignitaries were welcomed on to the Dias by Ms U. Sneha, Assistant Professor – EEE Dept. and she gave an introductory speech about workshop. Mr. T.C. Subramanyam, HoD-EEE gave a speech about workshop importance and advised all the participants to use it effectively. TPO – Jairam gave a speech about the practical knowledge of conducting this type of hands-on experience workshops. Dean-SOE Dr. G. Janardhana Raju gave a speech and motivated students to learn better and emphasized the NNRG management efforts for student's academic welfare.

70 students from II, III and IV years of EEE department attended the workshop.

On 14<sup>th</sup> Feb-2017 at 11:00 am Associate professor from EEE department Mrs Ch. Naga Raja Kumari started the workshop with introductory lecture about DESIGN OF CLIMATIZER AIR COOLERS and she gave power point presentation on principle of operation of climatizer air coolers, types of Air Coolers and she elaborately discussed the design and the parts required for Air Coolers.

**Lunch break:** 12:30 pm to 01:30 pm.

After the Lunch break at 1:30 pm Assistant professor from EEE Department Mr. D Ramesh Babu gave lecture on individual parts of climatizer Air Coolers and he briefly explain about the working principles of different types of motors used in air coolers construction and he gave the practical knowledge of assembling the parts of air coolers with the connection diagram before hands on experience for the next day with the help of power point presentation

**Day 2:**

**On 15<sup>th</sup> Feb-2017** – The hands-on experience

All the participants are divided into 8 individual batches and each batch is allotted with a trainee.

The trainees are

- Mr. T. Srikanth Asst.Prof
- Mr. N. Umamaheshwar Asst.Prof
- Mr. B Sampath Kumar Asst.Prof
- Mr. B.Vijay Kumar Asst.Prof
- Mr. J.Kishore babu Asst.Prof
- Mr. M. Sunil kumar Asst.Prof
- Mr. CH. Mahesh Reddy Asst.Prof
- Mrs. M. Sujatha , HR/Lab Faculty

The technicians are Mr. A. Sudharshan Reddy  
Mr. G. Narayana Reddy  
Mr. V. Sai Teja

The internal parts of the air coolers are clearly explained by the trainees to their allocated batches and then the student participants started assembling the parts of air coolers.

**Lunch break:** 12:30 pm to 01:30 pm.

After the Lunch break, student's participants gave the proper connections to the 3 different motors that we are used in air coolers

1. 3- Speed motor for different levels of modulating speeds.
2. Auto swing motor for uniform circulation of air in the room.
3. Pumping motor for circulating the water on side covers.

After the verification of the connections under the guidance of trainees all the participants filled the air coolers with water in air coolers.

By this the second day of the workshop was effectively ended by successful working of all the air coolers designed by the student participants

The valedictory function of workshop was started by Mrs.K.Swathi at 3:30 pm and concluded the session of workshop by thanking Mrs. CH. Naga Raja Kumari and workshop coordinator Mr. D.Ramesh Babu for their lectures on Design of climatizer Air coolers.

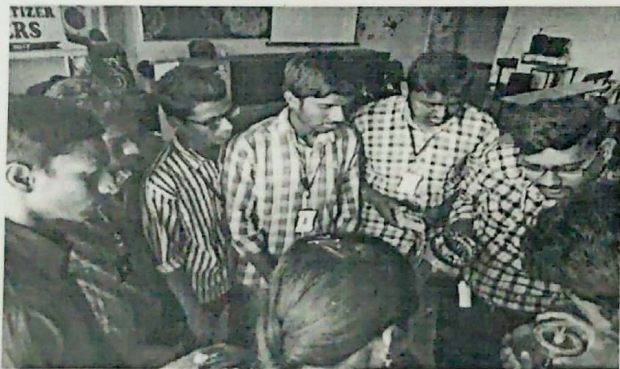
The feedback was collected from student participants. Final year student M. Geethu mentioned that the workshop was very helpful to improve the practical knowledge and students from II year gave a feedback that under the guidance of EEE faculty they have acquired good knowledge in designing of Air coolers and all the participants was very happy and thankful to HOD, Faculty for conducting 2 day workshop for the benefit of students.

Director Dr. C.V. Krishna Reddy garu appreciated the participants for their work and also mentioned that EEE dept is unique in designing the practical appliances for Dept and enhancing the student skills. Dean SOE Dr. G.Janardhan Raju garu, was very happy about the workshop and hopeful for conducting many more workshops like this. TPO- M. Sampath Reddy garu congratulated the students for their work and mentioned that these type of workshops help the student participants in career buildup.

The student participants are congratulated by distributing the certificates and the workshop was concluded by vote of thanks.

It was a very resourceful session and the students gave a very good feedback. Everyone left the hall with positive attitude towards life at 4:10 pm.

**PHOTOS:**



*[Handwritten signature]*