

GENERAL INFORMATION

Guru Nanak Dev Engineering College, Ludhiana (established in 1956), is one of the oldest and a premier Engineering Institute of India. The foundation stone of the college was laid by Honorable Dr. Rajendra Prasad Ji, President of India on 8th April, 1956. All the under-graduate courses of this institute are accredited by National Board of Accreditation (NBA, AICTE) New Delhi. GNDEC is now an autonomous college under UGC act. The ISO-9001:2000 certified institution has seven B.Tech. Courses, thirteen AICTE approved post-graduate courses besides being a QIP centre for PhD. Nearly 10000 graduate and 3000 post graduate engineers have passed out from this college during the last 50 years and are at present successfully employed in India and abroad.

Mechanical Engineering Department was established in 1957. Since its inception, the department has contributed in a big way to the society by providing technical manpower for various fields. The department is currently offering B.Tech. (Mech. Engg.), M.Tech. (Prod. Engg.), M.Tech. (Ind. Engg.) and PhD courses.

The institute is set up on 88 acres of sprawling pristine land on Ludhiana-Malerkotla state highway and is 7km from the railway station, 6km from Main Bus Stand.

INTRODUCTION

Solar energy is radiant light and heat from the sun and is harnessed using a range of ever evolving technologies such as solar

heating, photovoltaic, solar thermal energy, solar architecture and artificial photosynthesis.

Solar air heating is a solar thermal technology in which the energy from the sun insolation, is captured by an absorbing medium and used to heat air. It collects solar energy and transforms it into heat. The general idea is that the air is flowing through solar collector and heat from sun naturally raises the temperature of the air. In other words cold, outside air is heated. Solar air heating is a renewable energy heating technology used to heat or condition air for buildings or process heats applications.

It is typically the most cost-effective out of all the solar technologies, especially in commercial and industrial applications, and it addresses the largest usage of building energy in eating climates, which is space heating and industrial process heating.

The workshop has been designed for providing comprehensive knowledge, design and applications of solar air heating systems.

IMPORTANT INFORMATION

Selection will be on the basis of qualification and experience as well as AICTE guidelines. No registration fee shall be charged. For further details and application form visit www.gndec.ac.in. Application in the specified format duly recommended/sponsored by the competent authority should reach the coordinator on or before 20th October, 2015. Advance copy of registration form may be mailed to hms@gndec.ac.in.

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NATIONAL WORKSHOP

**Solar Air Heaters: Fundamentals, Design
and Applications**

(30-31st October, 2015)



Organized by:

**Department of Mechanical Engineering,
Guru Nanak Dev Engineering College,
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