

To

TESTING & CONSULTANCY CELL,  
GURU NANAK DEV ENGINEERING COLLEGE,  
LUDHIANA – 141006 (PUNJAB)

#### GENERAL INFORMATION

Guru Nanak Dev Engineering College, Ludhiana (established in 1956), is one of the oldest and a premier Engineering Institute of India. The institute is set up on 88 acres of sprawling pristine land on Ludhiana-Malerkotla state highway. Ludhiana city is a well known Industrial hub in Northern India and is well connected by direct rail service with all parts of India. The beautiful campus is about 7 Kms. away from railway station. The weather in the month of June/July in Ludhiana is hot (38°C to 44°C).

#### HOW TO APPLY

The participant should send the attached application form or a Xerox copy of the same along with registration fee.

#### ADDRESS FOR CORRESPONDENCE

Dr. Gurinder Singh Brar, Assistant Professor,  
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Guru Nanak Dev Engineering College,  
Ludhiana. Pin – 141006.

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**Six Weeks Training**

on

## **CAD: Modeling and Analysis using Solid Works**

(3<sup>rd</sup> June, 2013 to 12<sup>th</sup> July, 2013)



Head of Deptt.  
Dr. Sehijpal Singh  
Er. J. S. Grewal

Coordinator  
Dr. Gurinder Singh Brar

Organized by:  
Mechanical and Production Engineering  
Departments, and  
Testing and Consultancy Cell,

Guru Nanak Dev Engineering College,  
Ludhiana – 141006  
Punjab, INDIA

## INTRODUCTION

The pace of change in technology has taken all of us by surprise. Due to globalization, technology is passing through a very critical phase, giving high competition for final product. Gone are the days when 2D drawings were used. In today's world 3D drawings/model have become an emerging area in the design field. This course is suitable for all those who want complete exposure of 3D modeling and finite element analysis. The course will not only help designers to learn 3D software but will also help them to understand the practical applications of the tool. Sufficient time will be devoted on building correct modeling concepts so that designers can handle any kind of modeling/analysis problem in an efficient manner.

## COURSE CONTENTS

- DWG Editor
- Sketcher
- Part Modeling
- Advanced Part Modeling
- Assembly Modeling
- Drawings
- Advanced Drawings
- 3D Sketching
- Surface Modeling
- Mould Design (Core Cavity Extraction)
- Animation
- Finite Element Analysis (FEA)
- Solidworks Simulation

## DEPARTMENT AND FACULTY

The Mechanical and Production Engineering Departments are NBA accredited and runs both UG and PG courses. The departments have state of art facilities for research and development. They have a well established CAD and Simulation Lab equipped with sufficient number of computers and latest softwares like SolidWorks, Unigraphics etc.

Resource persons:

Dr. Gurinder Singh Brar

Er. Balwinder Singh

Er. Aprinder Singh Sandhu

## ELIGIBILITY CRITERIA

Students of second year (Mechanical, Production or Civil) are eligible to apply for participation.

## REGISTRATION

A registration fee of Rs. 6000/- (Inclusive of service tax) is to paid by cash or demand draft in favour of "Director, Guru Nanak Dev Engineering College, Ludhiana", payable at Ludhiana. The cash payment can be made on any working day in the Testing and Consultancy Cell of the College.

**Registration will be done on first come basis.**

## Six Weeks Training on **CAD: Modeling and Analysis using Solid Works** (3<sup>rd</sup> June, 2013 to 12<sup>th</sup> July, 2013)

### APPLICATION FORM

Name: .....

Father's Name:.....

Date of Birth:.....

Branch: Mechanical/Production/Civil

Name of College:.....

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Mailing Address:.....

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E-mail:.....

Contact No. :.....

Bank Draft No./Cash :.....

Accommodation Required: YES/NO

Please register me for the above course.

Signature of the Applicant