

HOW TO APPLY

Completed Registration form along with one page write up (on reasons to attend this course) should be sent by email to qipgndecme@gmail.com. Please send single email with following attachments:-

(i) Scanned copy of the filled in and signed form, and

(ii) One page write-up

The title of the email should be “QIP course on Finite Element Method for Engineering Applications”.

The hard copy of the same should be send to following address:-

Dr. Gurinder Singh Brar

(Course Coordinator)

Er. Aprinder Singh Sandhu, Er. Chatwant Singh Pandher

(Course Co-Coordinator)

Department of Mechanical Engineering,
Guru Nanak Dev Engineering College,
Ludhiana, Punjab. (INDIA) 141006.

IMPORTANT DATES

Deadline for submitting Applications – 21st Nov., 2017

Notification of Acceptance – 25th Nov., 2017

VENUE FOR COURSE

Workshop Seminar Hall, GNDEC, Ludhiana

ELIGIBILITY

Industry Persons, Research Scholars and Faculty members of degree level engineering colleges recognized by AICTE are eligible to attend the course.

REGISTRATION

There is no registration fee for the course. All short-listed candidates are required to confirm their participation by sending a cheque/Demand draft of Rs. 1000/- in the name of “Principal, GNDEC, Ludhiana”.

The above amount will be refunded to the participant if he/she attends the course. In case a participant does not attend the course, the above amount will be forfeited. Shortlisting and confirmation of eligible candidates will be on a first come first served basis up to a maximum of 30 candidates.

TRAVEL AND ACCOMMODATION

Participants are entitled for II class (Sleeper Class) or AC railway fare to and fro by the shortest route from the college to GNDEC, Ludhiana. Accommodation will be provided in Guest House or Student Hostels on sharing basis.

FACULTY COORDINATOR

Dr. Schijpal Singh Khangura

COURSE COORDINATOR

Dr. Gurinder Singh Brar

COURSE CO-COORDINATOR

Er. Aprinder Singh Sandhu, Er. Chatwant Singh Pandher

ORGANIZING COMMITTEE

Faculty of Mechanical Engineering

GUEST FACULTY

Dr. Inderdeep Singh (IIT, Roorkee), Dr. J. S. Saini (TU, Patiala), Dr. Indra Vir Singh (IIT, Roorkee)

QIP SHORT TERM COURSE

ON

FINITE ELEMENT METHOD FOR ENGINEERING APPLICATIONS

(4th – 8th December, 2017)



Department of Mechanical Engineering,
Guru Nanak Dev Engineering College,
Ludhiana – 141006

Punjab, INDIA

Mobile - +91-9781991160,

+91-9914701236,

+91-9478230013.

Email – qipgndecme@gmail.com

www.gndec.ac.in

ABOUT THE INSTITUTE

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. 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.

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 and 15km from the Airport. Ludhiana is well connected by roads and is located at 300 km from New Delhi, 90 km from Chandigarh, 150 km from Amritsar.

ABOUT THE DEPARTMENT

Mechanical Engineering Department was established in 1957 and is currently offering B.Tech. (Mech. Engg.), M.Tech. (Prod. Engg.), M.Tech. (Ind. Engg.) and PhD courses. Since its inception, the department has contributed in a big way to the society by providing technical manpower for various fields in India and abroad. Around 3000 graduates and 300 post graduates from the department are settled in very good positions all over the Globe. The faculty of the department continues to provide new frontiers of technical knowledge to the students by imparting quality education and

research. Presently, Dr. Sehijpal Singh Khangura is Head of Department.

COURSE CONTENTS

1. Basics and Fundamentals
2. Approaches to solve FE problems
3. FEM for beams, plates and axisymmetric problems
4. FEM for solid mechanics and fluid flow problems
5. Demonstration of FE software
6. Case Studies

OBJECTIVES OF THE COURSE

Finite element analysis has become an integral part of design for automotive, aerospace, civil construction, consumer and industrial goods industry. The objectives of this course are:

- (a) To develop the fundamental understanding of the principle of finite element method.
- (b) To introduce finite element method (FEM) to participants so that they are equipped to solve various problems of their field.
- (c) To familiarize the participants to FE software to carry out various types of FE analysis.
- (d) To apply FEM to solve problems in different engineering disciplines namely stress analysis, fluid flow, heat transfer etc.

RELATED DISCIPLINES

Mechanical, Production and Civil Engineering.

Guru Nanak Dev Engineering College, Ludhiana, Punjab-141006

QIP Short Term Course
on

FINITE ELEMENT METHOD FOR ENGINEERING APPLICATIONS (4th - 8th December, 2017)

APPLICATION FORM

1. Name:
2. Educational Qualification:.....
3. Designation:.....
4. Institute:.....
5. Address for Correspondence:.....
.....
.....
Phone:.....
E-mail:.....
6. Experience:.....
7. Accommodation Required: YES/NO

Date: Signature of the Applicant

Signature of Head of the College/Institute (with date & seal)

(Important: By signing above head of the College/Institute certifies that applicant is a faculty member of degree level engineering college recognized by AICTE)
*Form should be complete otherwise the application will be rejected