

## ABOUT THE COLLEGE

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 8<sup>th</sup> April, 1956. GNDEC is now an autonomous college under UGC act. The ISO-9001:2000 certified institution has seven B.Tech. Programs, thirteen AICTE approved postgraduate Programs 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

Department of Mechanical Engineering 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 in India and abroad. Around 4000 graduates and 300 post graduates from the department are in very good positions all over the Globe. At present, the department is proud to get best merit students in the region. The faculty of the department continues to provide new frontiers of technical knowledge to the students by imparting quality education and research. The UG Program is NBA accredited and is keeping pace with the latest developments in engineering education. Programs offered by the department are AICTE approved.

## ABOUT THE SEMINAR

Multiple-criteria decision-making (MCDM) is a sub-discipline of operations research that explicitly evaluates multiple conflicting criteria in decision making (both in daily life and in settings such as business, government, engineering and medicine etc.). Manufacturing is the backbone of any industrialized nation. Decision makers in the manufacturing sector frequently face the problem of assessing a wide range of alternative options, and selecting one based on a set of conflicting criteria. This seminar will provide an insight to the participants to evaluate and improve the quality of information in the face of uncertainty, to present and clarify options, to model available alternatives and their consequences, and to control the smaller decisions necessary to reach a larger goal. The following are objectives of this seminar:-

- To create awareness among the participants regarding different decision making strategies.
- To help the participants in applying decision making strategies to their real life scenario.

## TOPICS TO BE COVERED

- Introduction to Multi Criteria Decision Making Tools
- Multi-attribute Decision Making Methods
- Multi-criteria Decision Making Methods
- Multi-objective Decision Making Methods
- Case Studies

## National Seminar

### Multi Criteria Decision Making Tools for Research Applications

#### Sponsored by



December 23, 2017



Organized by  
Department of Mechanical Engineering

Coordinator  
Dr. Harwinder Singh

## ORGANIZING COMMITTEE

### PATRON

Dr. Sehijpal Singh  
Principal  
GNDEC, Ludhiana

### CHAIRMAN

Dr. P.S. Bilga  
Prof. and HOD, MED  
GNDEC, Ludhiana

### COORDINATOR

Dr. Harwinder Singh  
Prof., MED  
GNDEC, Ludhiana

### LOCAL ORGANIZING COMMITTEE

Faculty of Mechanical Engineering

## WHO CAN PARTICIPATE

The program is open to all Research Scholars/Faculty Members/Scientists working in R&D organizations/Industry Persons etc.

## REGISTRATION

There is no registration fee for Research Scholars/ Faculty Members/Scientists working in R&D organizations to attend this event. For Industry Persons, an amount of Rs.500/- (non-refundable) is chargeable

at the time of registration. The participants are requested to submit their registration form latest by December 15, 2017 at the following address:-

### Dr. Harwinder Singh

Professor,

Department of Mechanical Engineering

GNDEC, Ludhiana

E-mail: [harwin75@gndec.ac.in](mailto:harwin75@gndec.ac.in)

Contact No. 09815188044

## ACCOMMODATION

Paid Accommodation can be arranged in the Institute Guest House or Student Hostels on sharing basis.

## REGISTRATION FORM

1. Name:.....
2. Academic Qualification:.....
3. Designation:.....
4. Department:.....
5. Organization:.....  
.....
6. Address (O):.....  
.....  
.....
- Phone:.....
- Email:.....
7. Accommodation Required: Yes/No
8. Registration Fee (If applicable)

Signature of the Candidate

Signature and Stamp of Sponsoring Authority