

Scanned copy of duly Completed Registration Form along with 1-page write-up (reasons to attend this course) and DD/Cheque should be sent by Email to harwin75@gndec.ac.in or posted to

Dr. Harwinder Singh
Course Coordinator

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

Please send a **single email** with attachments as:

(a) 1-page write-up (b) Scanned copy of the filled-in and signed form. (c) Scanned copy of DD/Cheque. The title of the email should be “**QIP STC on Decision Making Strategies in Industrial Environment**”.

Note: Bring original Registration Form and DD/Cheque at the Time of Registration.

IMPORTANT DATES

Last Date for Receipt of Application: 28 Nov., 2018
Intimation of Acceptance: 29 Nov., 2018
Short Term Course Dates: Dec. 04 – 08, 2018

Incomplete application forms will not be entertained.

VENUE FOR COURSE

Department Seminar Hall (ME), GNDEC, Ludhiana.

DATE & TIME FOR REGISTRATION

Dec. 04, 2018 9:15 a.m. at the venue for course.

ELIGIBILITY

Faculty/ Research scholars (Engineering./Science/Management discipline) of degree level engineering colleges recognized by AICTE/UGC/MHRD are eligible to attend the course. Related Research scholars/personnel from R&D/ industrial organizations will also be considered subject to availability of seats.

COURSE EVALUATION

Participants would be awarded ‘**Course Completion Certificate**’ on attending the course as per QIP norms.

REGISTRATION

There is no any registration fee for the course. All short-listed candidates are required to confirm their participation by sending a Cheque / Demand Draft of Rs. 1000/- (One thousand) in the name of “PRINCIPAL, GNDEC, Ludhiana” as a caution fee. This 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. Short listing and confirmation of eligible candidates will be done on a first come first basis (receipt of registration form through email).

TRANSPORT, BOARDING & LODGING

Participants are entitled for to and fro II class (Sleeper Class or AC) railway/bus fare by the shortest route from their organization to GNDEC, Ludhiana as per QIP norms. Accommodation will be provided in the students Hostels or Guest House on sharing basis. DA will not be permissible.

CHIEF PATRON

Dr. Sehijpal Singh, Principal

FACULTY COORDINATOR

Dr. Paramjit Singh Bilga, Prof. & Head (ME)
dme@gndec.ac.in; +91 98159-06659

COURSE COORDINATOR

Dr. Harwinder Singh, Prof. (ME)
harwin75@gndec.ac.in; +91 98151-88044

ORGANIZING COMMITTEE

Faculty and Staff, Mechanical Engg.

RESOURCE PERSONS

- Dr. G. S. Dangayach (MNIT, Jaipur)
- Dr. Sandeep Grover (YMCA UST, Faridabad)
- Dr. Rajat Aggarwal (IIT, Roorkee)
- Dr. Ravi Kant (IIT, Ropar)
- Dr. Ritu Garg (NIT, Kurukshetra)
- Dr. Jagwinder Singh (NIT, Jalandhar)
- Dr. Neeraj Bhanot (IIM, Amritsar)
- and many more...

QIP Short Term Course

on

DECISION MAKING STRATEGIES IN INDUSTRIAL ENVIRONMENT

Dec. 04 – 08, 2018



Organized by

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

ABOUT THE INSTITUTE & DEPARTMENT

Guru Nanak Dev Engineering College, Ludhiana (An Autonomous College under UGC Act), established in 1956, oldest and premier institute of Punjab, is providing education in the field of engineering by comprehending the need for upliftment of rural youth in highly competitive, technologically-elevated society, in particular, and understanding the thirst for knowledge of students and quenching it in general. The College has been declared an Autonomous College by UGC, New Delhi in 2012. This college has the privilege of starting Ph.D degree under Quality Improvement Programme (QIP) by AICTE, New Delhi. Apart from offering various Accredited graduate level B.Tech courses vis-a-vis Civil Engineering, Computer Science & Engineering, Electrical Engineering, Electronics & Communication Engineering, Mechanical Engineering, Production Engineering, Information Technology, the institute imparts instruction in eleven Postgraduate M.Tech courses both on regular and part time basis. An excellent platform is provided to the researchers leading to Ph.D degree program.

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 settled 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 course is NBA accredited and is keeping pace with the latest developments in engineering education. Courses offered by the department are AICTE approved.

ABOUT THE COURSE

Decision making, regarded as cognitive process of choosing a single course of action among various alternative possibilities, plays a very important and significant role in the overall development and growth of an individual, a group, a business, an industry, an organization and a country. In simple situations even mere perceptions may be quite helpful to make decisions, but need for quantitative support in decision making for industrial environment remains of great importance. Moreover, the complexity in decision making increases with the further development and application of Industry 4.0 and IIOT (Industrial Internet of Things). The collapse of the classical automation pyramid (vertical integration), the integration of the value chain (horizontal integration) and the availability of big data provide new challenges and opportunities for the

development and optimization of more integrated and real time algorithms for production and maintenance planning, quality management, energy management, logistics, etc. This interdisciplinary short term course is designed for the faculty & researchers working in the area of any engineering, science and management with the aim to enhance their capabilities in decision making in regard to teaching, research and consultancy. The programme will provide an opportunity to each participant to do practice on different software related to decision making. Each day will comprise of minimum four sessions in which the experts will deliver lectures followed by practice sessions on relevant software and case studies related to industrial environment.

Course Objectives:

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

Course Contents:

1. Introduction to decision making in Industrial Environment
2. Multiple attribute decision-making (MADM) methods
3. Multi-criteria decision making (MCDM) methods
4. Multi-objective decision making (MODM) methods
5. Case studies
6. Lab sessions

Course Timings:

Registration 9:15 a.m. (each day)

Session I 09:30 a.m. to 11:00 a.m.

Tea Break (11:00 a.m. to 11:15 a.m.)

Session II 11:15 a.m. to 12:45 p.m.

Lunch (12:45 p.m. to 01:30 p.m.)

Session III 01:30 p.m. to 03:00 p.m.

Tea Break (03:00 to 03:15 p.m.)

Session IV 03:15 p.m. to 04:45 p.m.

COURSE BENEFICIARIES

Faculty/ Research Scholars involved in Teaching/ Research/ Consultancy work

BROAD SUBJECT AREA

Mechanical Engineering

RELATED DISCIPLINES

Industrial, Production, ECE, EE, CSE, IT, CE etc.

NOTE: For additional copies of the registration form, use a photocopy of this brochure or type in the format given. For further details: <https://me.gndec.ac.in/>

QIP Short Term Course on **DECISION MAKING STRATEGIES IN INDUSTRIAL ENVIRONMENT** **December 04 – 08, 2018**

Registration Form

Name (in block letters): _____

Designation: _____

Organization: _____

Mailing Address: _____

Age: _____ Sex (M/F): _____

D.D./Cheque No. _____ Date _____

Bank Name: _____

Mobile: _____

Email: _____

Educational Qualifications: _____

Prior Exposure to such program: Yes / No

Accommodation Required in Campus: Yes/ No

Signature of Applicant: _____

Sponsorship & 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