

Sant Longowal Institute of Engineering &  
Technology, Longowal, Sangrur-148106, Punjab.  
(Deemed University under MHRD, Govt. of India)

**SHORT TERM COURSE (STC) ON**

**Green Operations Management:  
Concepts and Decision Models**

**(December 21-25, 2015)**

Organized by  
Department of Mechanical Engineering  
SLIET Deemed University, Longowal



**Sponsored by TEQIP II, MHRD, Govt. of India**

**Course Coordinator:**

**Dr. Arvind Jayant**, Associate Professor

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**Introduction:**

Now-a-days, Industrial Engineering & Manufacturing Management Research scholars and Industry managers face new challenges in integrating issues of green manufacturing with their traditional areas of interest. During the past two decades, there has been growing pressure on business organization to pay more attention on the environment issue during business operations. This leads academicians teaching this or related courses to incorporate the green aspects in their pedagogy. Thus, the current focus has been shifted from traditional production management to sustainable green operations management. In the recent years, analytical/intelligent decision models have gained popularity in designing and integrating the sustainability aspects in managing operations using qualitative or quantitative techniques.

This program is an attempt to introduce various aspects of sustainability aspects in the operations management through the qualitative/ quantitative modeling and decision making techniques and tools.

**Course objectives:**

The objective of the course is to develop expertise among the participants with the concepts of Green manufacturing concepts / Operations Management through qualitative/ quantitative decision modeling, techniques.

**Course Contents:**

The focus of the program is to deal the greening aspect of business practices. To provide an understanding of sustainable business management practices. Following topics would be covered in addition to the basics of operation Management.

**Simulation Modeling** of manufacturing Systems/Mechanical systems.

**Qualitative Techniques:** ANP/AHP, IRP and

**TOPSIS, PROMETHEE, ELECTRE and VIKOR**

**Modeling Sustainable Procurement:** Quantitative model will be presented to deal sustainability aspect in the procurement issues of operations Management.

**Modeling Green Supplier Selection:** Integrated Qualitative/ Quantitative model will be presented to

Deal greening aspect in the supplier selection of operations management.

**Designing Green Operations Supply Chain:** A green framework will be discussed to deal 3PL issues in sustainable supply chain.

**Reverse Logistics,** Lean Supply Chain, Green Supply Chain, Responsive and Efficient Supply Chains

**Faculty:**

The course will be conducted by the SLIET/I.I.T.

/DTU Delhi faculty and other reputed Institute/  
Industry managers.

## Who can participate?

Apart from the faculty of Engineering and Management Institutes teaching operation/production management, the course is for middle managers involved in procurement, logistics, inventory management, distribution, product development, sales and marketing, retailing, project management, and IT.

## Selection process:

Maximum number of participants allowed in this course is 30. The offer will be made on first-come, first-served basis (date of receipt of application form).

## How to Apply:

The interested faculty members from Institutes/Universities and Industry managers are required to send duly filled registration form with registration fee in form of DD in favor of Director, SLIET, Longowal to the following address.

## Dr. Arvind Jayant,

Associate Professor

Department of Mechanical Engineering, SLIET Longowal, District Sangrur, Punjab. (Deemed University under MHRD, Govt. of India),

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## Course fee/Registration Fee

- Registration Fee for Faculty: Rs. 1000/-
- Registration Fee for Research Scholar: Rs.500/-
- Registration Fee for Industry Delegates: Rs. 3000/-

Boarding, lodging arrangements will be made to accommodate participants on twin sharing basis at the Faculty Guest House and Transit Guest Houses. Food will be arranged at Faculty Guest House for all the participants. No TA will be provided to the participants for attending the course.

## Registration Form

### Green Operations Management: Concepts and Decision Models

December 21-25, 2015

Name: -----

Academic qualification: -----

Designation: -----

Institution: -----

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Address for correspondence:

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-----

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Telephone: -----

Mobile: -----

E-mail: -----

Accommodation needed: Yes / No

Enclosed crossed bank draft No. \_\_\_\_\_  
Dated \_\_\_\_\_ of \_\_\_\_\_ in favor of  
Director, SLIET, Longowal.

Signature of the applicant

Signature and seal of forwarding authority

(HOD/Registrar/ Director

## Important Dates:

Last date for receiving completed application form:

**November 30, 2015**

Publication of list of selected participants:

**December 11, 2015**

Last Date for confirmation participation (via email):

**\*December 15, 2015.**

*\*Participation stands cancelled if confirmation email is not received by the specified date. Seats, if so vacant, will be offered to other eligible applicant faculty.*

## Contact Details:

**Dr. Arvind Jayant, Course Coordinator**

Associate Professor

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**Prof. Kulwant Singh, HOD (ME)/**

**Chairman-STC**

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