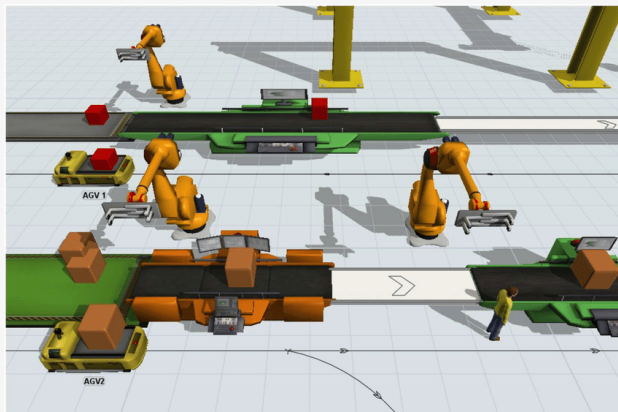


Industry Supported Workshop

Simulation and Optimization Analytics for Manufacturing and Logistics

A 3 Day Hands-on Computer Based Workshop



MARCH 18 - 20, 2020



Department of Mechanical Engineering

**National Institute of Technical
Teachers Training & Research**

(Established by Ministry of Human Resource and
Development, Govt. of India)

Sector 26, Chandigarh

www.nittrchd.ac.in

MODELING & SIMULATION

Simulation is an applied technology that is especially useful for analyzing and solving complex problems. Modern simulation applications allow the user to accurately represent an environment both as a visualization of the physical elements as well as the underlying, often complex, logical structure. Simulation and Optimization have become powerful tools for design and analysis of complex manufacturing and logistics systems. Computer based 3D simulation now serves as an indispensable problem-solving method for engineers, designers and managers.

WORKSHOP SCOPE

This three-day workshop will impart knowledge & skill on state-of-the-art 3D simulation tools and their applications. The course is planned with theory and hands-on practice sessions on simulation and modeling and their industrial/business applications. *Each participant will be provided with a full FlexSim and OptQuest license for the duration of the program.*

Workshop will foster linkage between industry & academia and facilitate future projects identification for participants from academic/research organizations.

COURSE CONTENTS

- Introduction to Simulation
- Bottleneck and Capacity Analysis
- WIP, Throughput and Lead Time Analysis

- Material Handling and Task Sequences
- Advanced Material Handling – AGV and Conveyor
- Input Data Strategies and Data Import
- Optimization of a Simulation Model
- Real Life Case Studies

EXPERTS

The program will be delivered by FlexSim USA and Opttek USA's partner for India, Commercial Consultancy Services from Chennai. Industrial users will present and discuss case studies.

PARTICIPATION

The workshop is designed to benefit industry personnel, faculty & researchers. People from manufacturing, service & healthcare industry as well as faculty, research scholars & PG students from AICTE approved technical institutions will benefit by attending the workshop.

Number of participants is limited to 50. Candidates will be selected on first come first serve basis.

REGISTRATION FEE

The workshop participation fee is as under:

Industry participants	₹ 10,000
Participants from academic & research organizations	₹ 1,000
Faculty from TEQIP-III institutes	₹ 5,000

The registration fee plus GST@18% is nonrefundable and includes working lunch & refreshments, workshop kit and boarding/lodging in institute hostel. Paid accommodation @Rs. 750 per person per day on twin sharing basis is available in the institute guest house on first-come-first-serve basis.

The registration fee must be paid electronically in the following bank account upto March 12, 2020:

Beneficiary Name	National Institute of Technical Teachers Training & Research, Chandigarh
Bank Name & Branch	State Bank of India, Sector 26, Grain Market, Chandigarh
Bank Account No.	55105008209
IFSC	SBIN0050116
GST	04AAEFN6008M1ZA

ABOUT NITTTR, CHANDIGARH

National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh is one of the four national institutes established by the Government of India in 1967 for the development of technical education in the country. The activities of the institute include training, R&D, extension services, consultancy and curricula development. Chandigarh is very well connected with all major cities. The distance of the institute from Chandigarh airport is 12 km and the distance from both Chandigarh railway station and bus stand is 4 km.

REGISTRATION FORM

Industry Supported Workshop

Simulation and Optimization Analytics for Manufacturing and Logistics

MARCH 18 - 20, 2020

Name: _____

Qualification: _____

Designation: _____

Department: _____

Organization: _____

Mailing: Address: _____

Phone: _____

Email: _____

Fee Transaction ID: _____

Fee Transaction date: _____

SPONSORSHIP

Prof./Dr./Mr. /Ms. _____

_____, who is working in our organization is hereby sponsored to attend the workshop on 'Simulation and Optimization Analytics for Manufacturing and Logistics' at National Institute of Technical Teachers Training & Research, Chandigarh during March 18 - 20, 2020.

Place: _____

Date: _____

Signature and Seal of
Sponsoring authority

CONTACT DETAILS

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