



Department of Industrial & Production Engineering
Dr B R Ambedkar National Institute of Technology
Jalandhar - 144011 (Punjab)



**One Week
Online Short-Term Course**

on

**“Practices of Statistical & Optimization Techniques for Research”
(PSOTR-22)**

(6th – 10th June, 2022)

(Approved by Center Of Continuing Education, NIT Jalandhar)

ORGANIZING COMMITTEE

Patron

**Prof. Binod Kumar Kanaujia
Director, NIT Jalandhar**

Co-Patron

Dr. Rajeev Trehan, HOD, IPE

Coordinators

Prof. Arvind Bhardwaj, Professor (HAG)

Dr. Ajay Gupta, Associate Professor

Dr. Lakhwinder Pal Singh, Associate Professor

Dr. Gurraj Singh, Assistant Professor

Dr. Aviral Misra, Assistant Professor

[Click here for Registration for STC](#)

About the Short-Term Course

The main objective of this short-term course is to promote the application of statistical and optimization methods in the engineering sciences. The proposed STC will provide a platform and opportunity to discuss the statistical and optimization methods with a broad objective of furthering the individual and inter disciplinary research and development activities in the technical institutions. It tries to close the gap between optimization theory and the practice of engineering. It also highlights successful applications of optimization techniques in various areas and encompasses sessions for the participants without a strong background in the field aimed at educating potential users of optimization methodologies. At the end of the course the participants will be well equipped with an enhancement of understanding of various optimization as well as statistical tools of research to pursue their carriers in Industry/Academics/Research.

In this short-term course, resource persons of eminence from NIT Jalandhar will deliver expert lectures and discuss on various related topics like (but not limited to):

- MCDM Methods
- Traditional optimization methods
- Use of solver for solving optimization problem
- Evolutionary optimization methods
- Hypothesis testing
- Non-parametric test
- ANOVA, Linear Regression
- Logistic regression

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Registration

The participant should register by filling registration form through the link given below

https://docs.google.com/forms/d/e/1FAIpQLSdtkdo1quqm_cONxeqipTkDmjN_MsTqlBnnpwwAomSGs46u_SVw/viewform?usp=sf_link

Registration is compulsory for all the delegates. There is no registration fee for participating in the course.

Last date of registration: 04th June 2022

Number of participants is limited for the present online STC. Application will be accepted on first cum first serve basis.

Mode of Lectures

The online STC will be conducted through **Google meet platform**. Also, some hands-on training session will be conducted. *So the participants are required to have the laptop at their end for the tutorials and exercises.*

E-certificates will be issued only to those participants having attendance during all the sessions of the program.

Contact:

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