Eligibility for Participation

The training program is open to faculty members from any academic institutes (degree & diploma), research scholars, PG Students (M. Tech., MBA and M.Sc.) and industry personnel. Participants are advised to keep laptops for hands-on practice during the sessions.

E-certificates will be sent to the participants by email after successful completion of STTP.

Registration Fees

The registration fees for the program shall be **Rs. 750/- for Faculty** from academic institutions; **Rs. 500/-for Research Scholars & UG/PG students** and **Rs. 1000/- for Industry personnel**.

Details of account for Program Fee Submission:

Account Holder name: **Director, SVNIT- CCE**
SBI Account Number: **37030749143**
Branch Name: **SBI, SVRCET Branch**
Bank IFSC: **SBIN0003320**

Registration can be done using the following link:

https://forms.gle/YwBGUBYr26LVRKLN7

Last Day Of Registration

The registration will be done online through aforesaid link after payment of fees. Soft copy of Passport photo, Valid ID proof and payment proof needs to be submitted during the online registration process.

The Last Date of Registration is 7th February 2021, 23:59 Hr.

Address Of Correspondence

Dr Ranjan Kumar Jana,
Coordinator, OTPS 2021
Department of Applied Mathematics & Humanities,
Sardar Vallabhbhai National Institute of Technology,
Ichchhanath, Surat –395007,
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Phone: **9904003868**
Email ID: **rkj@amhd.svnit.ac.in**

For more details and updates visit www.svnit.ac.in

As A Part Of Diamond Jubilee Celebration Of SVNIT

ONE WEEK
ONLINE WORKSHOP

Optimization: Theory, Practice & Simulation (OTPS 2021)

February 8-12, 2021

In Association With
Centre for Continuing Education (CCE) SVNIT

Coordinator:
Dr Ranjan Kumar Jana

Organized By:
Department of Applied Mathematics & Humanities, SVNIT, Surat-395007, Gujarat, India

About the Host Institute

The institute, one of the pioneering engineering institutions of the country, was established in 1961 as Sardar Vallabhbhai Regional College of Engineering & Technology and was given a status of National Institute of Technology, in 2002. At present, there are six undergraduate courses, seventeen postgraduate courses and PhD programmers in all disciplines of engineering and applied sciences. It has an excellent placement record with several top-ranking companies visiting the campus. The whole campus has the connectivity of the internet with a fibre-optic network including faculty quarters and student hostels.

About the Department

The Department of Applied Mathematics & Humanities has always believed in striving for excellence in research and teaching and succeeded in this endeavour to a large extent. Over the years, the department has evolved as one of the epicenter of research in Gujarat, India. In the pursuit of research, the Faculty members of the department have covered a vast area such as Numerical & Classical methods in fluid mechanics, Special functions, Integral Transforms, Fractional Calculus, Approximation theory, Operator theory and Fuzzy logic, Mathematical Modeling, Numeric of differential equations, fractional differential equations, Mathematical and Computational Biology, Bioinformatics, Techno-innovation to Techno entrepreneurship, General Management, Entrepreneurship, Marketing, Post Modern Fiction and Indian English Fiction.

About CCE

Center for Continuing Education (CCE) was established in Feb-2017 at SVNIT with Prime objective to imparting skill developing training programs to faculty, research scholars, UG/PG students, industry professional through planning and organizing Workshop/STTP/Expert talks on the concept of Self-Sustainability approach as per MHRD Guide-lines.

About the Program

The basic objective of this workshop is to imbibe the theoretical foundation of this application-oriented subject and promote its application in Applied and Engineering sciences. The program also incorporates a deliberate focus on problem-solving skills, Hand on experience through Optimization software. Further, the workshop provides a forum in which the participants obtain information about the recent advances in this subject and its applications resulting in possible future collaboration.

Course Content

Considering that the audience of this workshop comes from all disciplines of Engineering, Management and Sciences, the topics to be covered in the program is listed below:

- **Linear programming problems: Graphical & Simplex method**
- **Sensitivity analysis**
- **Integer Programming problems**
- **Transportation & Assignment problems**
- **Network Analysis: PERT and CPM**
- **Non-linear Optimization**
- **Geometric programming**
- **Inventory modelling and Applications**
- **Nature-Inspired Optimization**
- **Uncertainty Theory & Fuzzy Logic**
- **Optimization in Finance**
- **Monte Carlo simulations**

Extensive **problem-solving** sessions and **Computation** sessions are also planned.

Program Faculty

The lectures in the course will be delivered by eminent personalities and experts in the area from reputed academic institutions and universities.

We are the shapers of great minds and honorable values.