

L. D. College of Engineering Ahmedabad

L.D. College of Engineering, Ahmedabad popularly known as L.D.C.E is Gujarat's premier engineering college situated at city's heart surrounded by elite organization Like PRL, ATIRA, ISRO, IIM and CEPT. Started in 1948 with an aim of imparting quality higher education in various fields of engineering, it has seen unprecedented growth. It is affiliated with Gujarat Technological University & administrated by Department of Technical Education, Government of Gujarat. Civil engineering is a professional engineering discipline which deals with the design, construction and maintenance of the physical and naturally built environment. It provides knowledge and skills to plan, analyse, design, estimate and execute projects using appropriate scientific, mathematical and engineering principles and concepts. The field is further broken into several sub-disciplines including water resources engineering, environmental pollution control, urban transportation planning, traffic engineering and pavement design, geotechnical engineering, advance structural mechanics.

OBJECTIVES OF THE STTP

STTP's prime objective is to provide a common platform to all engineering researchers, post graduates, academicians, and field engineers to learn basics and detailed knowledge of ptimizaion and Computing Techniques to resolve engineering and optimization problems. It is a common knowledge gaining program to gain and increase the basic of research methodology and quantitative analysis in engineering in which experts will elaborate and explain the course content in details. Separate hands-on-practice-session on soft computing techniques will be demonstrated and performed digitally.

PATRON

Dr. R. K. Gajjar, Principal, LDCE Ahmedabad

CONVENER

Dr. R. B. Khasiya, H.O.D. (Civil), L.D.C.E-A'bad.

STTP COORDINATORS

Prof. Utkarsh Nigam, Asst. Prof., Civil Engineering Department, L.D.C.E. Ahmedabad

Prof. Sudhanshu Dixit, Asst. Prof., Civil Engineering Department, L.D.C.E. Ahmedabad

STTP ATTRACTION

It is a common knowledge gaining program to gain and increase the basics and advanced level research in which experts of Optimization and Soft Computing Techniques from the eminent institutes such as IIT/NIT and other institutes from the field of fields of Engineering and Technology will elaborate and explain the course content in details. Separate hands-on-session on Optimization Techniques and Computing Techniques will be carried out.

SPONSORSHIP

The 5-Days (One Week) Online Short Term Training Program on "*Application of Optimization and Computing Techniques in Engineering*" sponsored by Gujarat Knowledge Society (GKS) and Approved by Directorate of Technical Education (DTE), Government of Gujarat.

HOST AND ORGANISOR

Civil Engineering Department
[NBA Accredited Department]

L. D. College of Engineering Ahmedabad
Website: www.ldce.ac.in



Gujarat Knowledge Society

Commissionerate of Technical Education

Government of Gujarat



**L. D. College of Engineering,
Ahmedabad, Gujarat, India**

Organizing

5-Days (One Week) *Gujarat Knowledge Society (GKS) Sponsored & DTE Approved Online Short Term Training Program (STTP)* on

“Application of Optimization and Computing Techniques in Engineering”

at

L.D. College of Engineering,
Ahmedabad.

18th-22nd January, 2021

Venue

L. D. College of Engineering Ahmedabad

Website: www.ldce.ac.in

OUTLINE OF THE CONTENTS

- Objective and Description of various Optimization and Modern Computing Techniques with quantitative analysis. Identification of opportunities for researchers/Academicians/Professionals.
- Importance of many Soft-computing tools in various engineering disciplines. AHP is analytical hierarchy process, structural technique for organizing and analyzing complex decisions based on mathematics and psychology.
- Fuzzy Logic is a form of many valued probabilistic logic in which truth values of variables may be any real number between 0 & 1. It is based on linguistic variables and fuzzy set theory in which fuzzification is done using if-then principles/rules. ANN & GA will be discussed.
- Description and analysis of other Computing techniques such as Artificial neural network, Genetic algorithm and Hybrid Techniques in the disciplines of Engineering

DETAILS OF RESOURCE PERSONS

Prof. Utkarsh Nigam, Asst. Prof., LDCE
- 7597832470

Email ID: utkarsh.geej@gmail.com

Prof. Sudhanshu Dixit, Asst. Prof., LDCE

Email ID: sudhanshu.civil04@gmail.com

HOW TO APPLY

The applicants are required to register by filling the registration form and mail it on civilevent@ldce.ac.in on or before **10th January 2021**. Applicants have to send the scanned copy of the filled registration form with sign and seal of the parent institution/ Concerned Authority. Also fill the Google Form compulsorily:

<https://forms.gle/F9YztJnfwUqOOweB7>

Maximum seats is limited to 50 only and the Mode of all type of communication is digital only. The participants may contact Coordinators for any query/ problem. ●EC/ GP Faculties need to apply through TNA, DTE.

Address for Correspondence:

**To, Civil Engineering Department,
L. D. College of Engineering, Ahmedabad
Opp Gujarat University, Navrangpura,
Ahmedabad - 380015 GJ IN**

ONLINE COURSE REGISTRATION FEE:

For Research scholars/ PG Students: NIL

For Academicians & Field Researchers: NIL

For Professionals & Field Experts: Rs. 250

BANK DETAILS [NEFT Only]

Payee Name: PRINCIPAL, L D College of Engineering

Bank Name: State Bank of India, Gujarat University, Ahmedabad

IFSC Code: SBIN0002651

Account number: 30769133013

REGISTRATION FORM

Name:

Pruthviraj Vala
Mr

Designation:

water resource engi.

Branch:

Institute Name:

MEU BARODA

University:

Staff ID:

9512498092

Mobile No.:

E-Mail ID:

prajv04@gmail.com

Date:

18 jan 2021

Signature of the Applicant
p.n.vala

Sign and Seal of HOD/ Head of the Institution

Verification and sign of STTP Coordinator