

**CERTIFICATE FROM SPONSORING  
AUTHORITY (if applicable)**

Certified that the above applicant is employed in our organization and the information stated by him/her is verified and found correct. We, therefore, sponsor him/her to attend the short-term training organized at your institute

Date: Signature of sponsoring authority with seal

Place:

**HOW TO APPLY**

The applicants are required to send completely filled in application form along with the DD/Cheque in favor of “**The Principal, L D College of Engineering**” payable at Ahmedabad for registration fees, if applicable. It should reach the coordinator on or before **1<sup>st</sup> Jan 2024**. For online payment.

**BANK DETAILS:** (NEFT/ RTGS only)

Payee Name: **PRINCIPAL L D College of Engineering**

Bank Name: **SBI, Gujarat University, Ahmedabad**

IFSC Code: **SBIN0002651**

Account number: **30769133013**

**Address for Correspondence:**

Dr. G. M. Tank

Professor & Head

Applied Mechanics Department

L.D. College of Engineering

Navrangpura, Ahmedabad - 380015, Gujarat

Phone: 079 26306752

Fax : 079 26304118

**For further details, contact:**

Dr. G. M. Tank (M-09429569599)

Email: [head\\_applied@ldce.ac.in](mailto:head_applied@ldce.ac.in)

Prof Y. J. Chauhan (M-09712845427)

Email: [yjc@ldce.ac.in](mailto:yjc@ldce.ac.in)

**ABOUT THE INSTITUTE**

**L. D. College of Engineering, Ahmedabad** is a premier Engineering college in the state of Gujarat established with the objectives of imparting higher education in various fields of engineering. The institute is affiliated to Gujarat Technological University and administrated by Department of Technical education, Gujarat State. Sheth Shri Kasturbhai Lalbhai has established institute in 1948 with generous donation. It is situated adjacent to Gujarat University and at nucleus of various national level institutes like PRL, ATIRA, ISRO, IIM etc. The campus consists of buildings for various departments, offices, hostels and library with 45,220 sq. meter plinth area. The institute made a modest start with 75 students for undergraduate programs in 1948, post graduate programs in 1954. At present, institute is running 16 undergraduate programs including emerging B.E. programs in Artificial Intelligence & Machine Learning and Robotics & Automation, 17- post graduate programs, and 4 part-time programs with present strength of more than 6500 students. The institute also has 7 Centre of Excellence supported by Industry and Government focusing on Research and innovation.

**APPLIED MECHANICS DEPARTMENT**

The **Department of Applied Mechanics** is a vital offshoot of Civil Engineering Program at L.D. College of Engineering. The department caters UG Program and 2 Post graduate courses in Structural Engineering and Geotechnical Engineering with state-of-the-art facility. Department has all major type of testing equipments, computing labs backed by strong industry-academia cell and alumina. Services offered by Department are

- Cement, Concrete, Steel and Metal Testing
- Professional Consultancy Services in field of Structural Engineering, Proof Checking
- Soil and Rock Testing, Geotechnical Investigation
- Non-destructive Testing
- Training to Professional Engineers

ATAL Approved  
FACULTY DEVELOPMENT PROGRAM  
ON  
**OCEAN AND COASTAL  
ENGINEERING**  
12<sup>th</sup> – 17<sup>th</sup> February, 2024

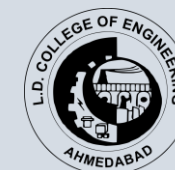


**Chief Patron**  
**Dr. Srinivasan Chandrasekaran,**  
Professor, IIT Madras.

**Coordinator**  
**Major Dr. Chaitanya S. Sanghvi,**  
Principal (I/C)

**Co-coordinator**  
**Prof Y. J. Chauhan**  
Assistant Professor, L.D.C.E.

Organized by  
**Applied Mechanics Department**



**L D College of Engineering**  
**Ahmedabad**

## **OBJECTIVES OF THE PROGRAMME**

Gujarat state of India is endowed with longest coastline of about 1600 km surrounded by Arabian Sea having tremendous potential to generate renewable energy. The offshore and its allied industries in its endeavour to cater to the growing need for hydrocarbons has been delving deep into the oceans aided by innovative concepts evolved over past few decades to generate renewable sources of energy from near-shore and offshore environments. Ocean & coastal engineering has also been recognized by AICTE as one of the emerging fields. To this aim, the ATAL FDP entitled “**Ocean and Coastal Engineering**” has been organized to inculcate curiosity of the technical fraternity in this emerging area by making them conversant with the nuances of Ocean and Coastal engineering. The course besides giving an overview of ocean and coastal structures will also provide detailed understanding of various types of structural systems/forms that are constructed at different water depths, their analysis and design, fire-resistant aspects, new-generation offshore platforms, Wave Energy devices, and Tsunami protection systems. This program will improve capacity building process in the emerging field of Ocean and Coastal Engineering.

## **THE PROGRAMME**

One week ATAL sponsored faculty development program on "**Ocean and Coastal Engineering**" from **12<sup>th</sup> – 17<sup>th</sup> February, 2024**.

## **COURSE CONTENT**

- Basics of Ocean & Coastal Engineering
- Environmental Loads on Ocean Structures
- Offshore Structures: Types & Construction
- Coastal Structures: Types & Construction
- Dynamics Analysis: Basics & Application
- Analysis & Design of Steel Structures

- Fire Loads & Fire-Resistant Design of Offshore Structures
- Wave Energy Devices: Design and Development
- New-Generation Offshore Platforms
- Tsunami Protection: Devices & Systems

## **RESOURCE PERSONS**

1. Dr. S. Chandrasekaran, Professor, IIT Madras
2. Dr. A. K. Jain, Professor, IIT Delhi
3. Dr. Gaurav Srivastava, Asso. Prof., IIT G'nagar
4. Dr. Madhuri Seeram, Asst. Prof., NIT Jamshedpur
5. Dr. Sarinya Sanitwong Na Ayutthaya, Professor, Kasetsart University, Thailand
6. Dr. Cherdvong Saengsupavanich, Professor, Kasetsart University, Thailand
7. Dr. Deepak C R, Scientist, NIOT

## **IMPORTANT DATES**

Last date for receipt of Applications: **15<sup>th</sup> Jan 2024**  
Confirmation of Selection: **29<sup>th</sup> Jan 2024**.

## **TARGET AUDIENCE**

The program will provide excellent opportunities to:

1. Faculty Members of any department of Degree / Diploma institutions.
2. Professionals / Engineers / Researchers from industry and R&D organizations working in the relevant field.

## **REGISTRATION FEES**

No registration fee for faculty members from state/central government / grant in aid organization / university. The registration fee Rs 5000/- per participants for professional engineers.

## **CO-SPONSOR**

Polyene industries Ltd, Chennai

*L. D. College of Engineering Ahmedabad  
Applied Mechanics Department*

## **APPLICATION FORM**

**ATAL APPROVED**

FACULTY DEVELOPMENT PROGRAM

On

**Ocean and Coastal Engineering**

**12<sup>th</sup> – 17<sup>th</sup> February, 2024**

1. Name Mr./Ms.....

2. Age..... years

3. Edu. Qualification.....

4. Designation .....

5. Organization .....

Whether approved by AICTE? Yes /No

6. Address

Phone..... Fax.....

Email.....

7. Experience (years) in relevant area

Teaching: ..... years

Industry: ..... years

8. Subjects Taught:

9. DD/Cheque No. / Transaction ID .....

Dated .....

Bank .....

**Place:**

**Signature of the Applicant**

**Date:**

Scan to download the application form or

Link: <https://qr.page/g/j685YkjVre>

