

## Registration Form

Short Term Training Programme on  
"Pressure vessel Design, Drafting and Analysis  
with

ASME BPVC Sec VIII, Div 1 & 2"

Department of Mechanical Engineering  
GIDC Degree Engineering College,  
Abrama, Navsari (Gujarat)  
(30<sup>th</sup> April - 4<sup>th</sup> May 2018)

Name: .....

Designation: .....

Department: .....

Organization: .....

Address for communication  
.....  
.....  
.....

Telephone/Mobile: .....

Email: .....

Qualification: .....

Experience (in years): Teaching: ..... Industrial: .....

Accommodation required - Yes / No

Demand draft details: .....

DD / Cheque No.: .....

Bank and date: .....

Date:

Place:

Official seal

Signature of applicant

Signature of competent  
authority

## Patrons

**Dr. K. N. Mistry**

Principal, GIDC Degree Engineering College, Abrama  
Dean, Faculty of Engineering,  
Gujarat Technological University, Ahmedabad

## Convener

**Prof. Dr. H. S. Patil**

Professor & Head Mechanical Engineering Department

## Coordinator

**Dr. D. C. Patel**

Associate Professor, Mechanical Engineering Department

## Co-ordinators

**Prof. M. R. Patel**

**Prof. H. B. Patel**

## For more details, contact:

**Dr. D. C. Patel**, Coordinator - STTP

Mobile: 09428146117; Email: pateldcp@gmail.com

**Prof. M. R. Patel**, Co-coordinator - STTP

Mobile: 909907385, Email: er.mayurpatel@yahoo.in

## Important Dates

Last date for receiving the completely filled form along with  
DD-24<sup>th</sup> April 2018

Intimation of selection - On/Before 26<sup>th</sup> April 2018

Accommodation for participants may be provided on request.

The charges will have to be borne by the participants.

**GIDC Degree Engineering College, Abrama,  
Navsari (Gujarat)**



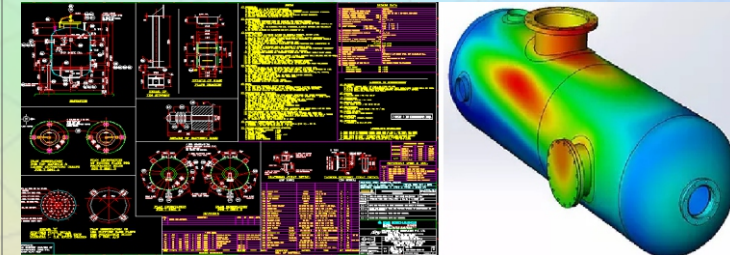
ONE WEEK SHORT TERM  
TRAINING PROGRAMME (STTP)

on

**Pressure vessel Design, Drafting and Analysis  
with**

**ASME BPVC Sec VIII, Div 1 & 2.**

April 30<sup>th</sup> - May 4<sup>th</sup>, 2018



**Sponsored by**

Gujarat Council on Science & Technology,  
Department Of Science And Technology  
Gandhinagar

**Organized by**

Department of Mechanical Engineering  
GIDC Degree Engineering College, Abrama



## About the Institute

GIDC Degree Engineering College (GDEC) at village Abrama, Taluka-Jalalpore, District-Navsari, is a venture of Gujarat Industrial Development Corporation Education Society. The institute established in 2012, as Public Private Partnership, a scheme of Government of Gujarat. The institute offers UG courses in Mechanical, Civil, Automobile, Computer and Electrical branch. The institute is approved AICTE New Delhi and affiliated to the GTU, Ahmedabad. The mission of the institute is to endow with technical education at the UG levels to enrich the people of the country in present technical scenario. The vision of the institute is to grow as a premier education and research institute in the field of engineering with global view point and serving with world class standards conferring excellence to the engineering products through dedicated and competent engineers.

## About The Department

The department has an energetic team of highly qualified, dedicated and experienced faculty in order to contribute to the technical education as a whole and helps to mould young engineers by igniting in their minds the flame of inquisitiveness. The department impart quality engineering education through sound theoretical knowledge, hands-on laboratory as well as computational skills and exposure to technological advances in the outside world. The department has well-equipped laboratories- Machines & Mechanisms, Fluid & Hydraulic, Metrology, Metallurgy, Energy, Dynamics & Vibration, Heat Transfer, CAD/CAM, RAC and Central Mechanical Workshop.

## Objective

Codes and Standards of pressure equipment technologies for pressure vessels, boilers, piping and storage tanks which are all critical facilities in industries and these face the greatest turning points. Continuous safe operation of aged pressure equipment is one of the most critical subjects to be solved for future sustainable economy. ASME have taken the initiative to develop Codes and Standards for safe operation and maintenance through Fitness-for-Service Standards and Risk Based Inspection. On the other hand, new design and construction standards prepared for large scale pressure vessels such as oil hydro-treating reactors are required for effective production of new energy resources. This STTP presents concepts of new Pressure Vessel Design, Drafting and Analysis Code with ASME BPVC sec VIII, Div 1 & 2.

## Course content

- Design philosophy, Stresses analysis, Failure theories, Failure in pressure vessels, loadings.
- Introduction to ASME sec VIII div 1 & div 2.
- General requirement, Material requirement, General Design requirement,
- Design for internal pressure and External pressure
- Design for Tall tower, Design of vessel support, Openings and nozzle loads
- Fabrication requirement, NDE, Testing, Pressure Relief and documentation requirement, Requirement for vessels fabricated by welding
- Requirement for Carbon and low alloy, High alloy, and Heat treated materials
- Hands on practice for drafting of industrial pressure vessel on CAD Software.
- Hands on practice with Modelling and Analysis of pressure vessel with FEA software.

## Resource Persons

Dr. D. C. Patel and Prof. Dr. H. S. Patil (GDEC, Navsari), Dr. C. K. Desai (CKPCET, Surat) ; Mr. D. H. Patel (Safety Consultant - D.H.Patel Associate Surat) ; Mr. Chaitanya Purohit (L&T Hazira- Surat); Expert session on PVELite Software Solution (ImageGrafix Engineering Services Mumbai)

## Eligibility

The course is open to faculty members of Mechanical/ Automobile/ Production Engineering from AICTE approved Engineering/Polytechnic Colleges, Research Scholars/PG Students. Engineers from Industries are also eligible to apply. Admission will be offered subject to the availability.

## How to Apply

Duly filled in application form, as per the given format and duly recommended/sponsored by the competent authority should reach the coordinator on or before 20-04-2018. Registration form can also be downloaded from [www.gdec.in](http://www.gdec.in). The applicants can also send the scanned copy of duly signed registration form through e-mail.

Registration form along with DD / Cheques should be sent to: Mr. H.B. Patel, Phone-02637-229040, Mobile - 9998515431, Email: [patel.hariketani@yahoo.in](mailto:patel.hariketani@yahoo.in), [hari.mech.patel@gmail.com](mailto:hari.mech.patel@gmail.com)

## Registration Fee

Faculty/Research Scholars/PG Students - **Rs.1500/-**  
Industry Participants - **Rs. 5000/-**

Registration fee is to be paid by DD/at par cheques drawn in favour of "GIDC Degree Engineering College, Abrama" payable at Abrama.

Registration fee includes tea, lunch, and course material. All other expenses are to be bared by the participants.