

## ABOUT THE INSTITUTE

Government Engineering College, Gandhinagar since its inception in 2004 is a front runner into academics. Moreover it is a leading institute in terms of research, social initiatives and services. GEC, Gandhinagar has a very good industrial tie-up and consistent placement record. GEC-Gandhinagar is an active participant in various government schemes and projects like TEQIP, RUSA, SSIP, Digital India Campaign, etc.

## ABOUT THE DEPARTMENT

The Metallurgy Department since its inception in 2008 is a backbone of GEC-Gandhinagar's events, research activities and initiatives. It is a unique department in Gujarat under government umbrella. Faculty members are good blend of industrial/ academic research experienced, studied from national and state reputed institutes. Department has developed CoE NDT (Centre of Excellence) along with various equipped metallurgical laboratories. Students are encouraged and supported to actively participate in various curricular and extra-curricular activities at different level.



## ORGANIZING COMMITTEE

### Patron

Prof. (Dr.) Sweta P. Dave  
Principal, GEC-Gandhinagar

### Convener

Dr. I. B. Dave  
Professor & Head,  
Metallurgy Department  
GEC-Gandhinagar

### Coordinator

Prof. H. H. Jadav  
Prof. B. R. Rana

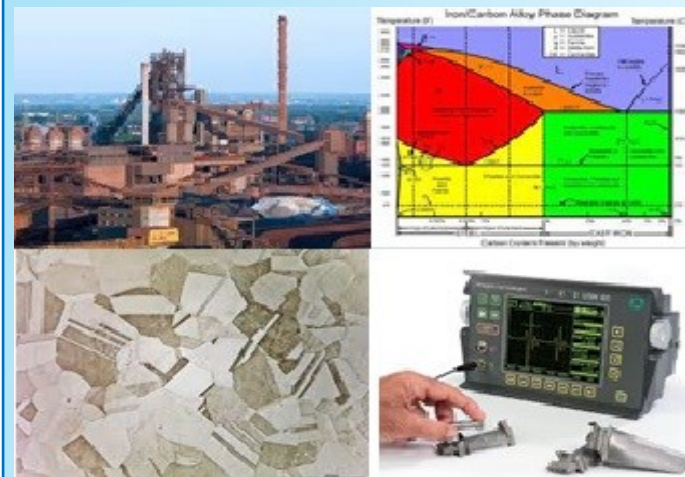
### Committee Member

Prof. S. I. Patel  
Dr. D. G. Sharma  
Dr. P. K. Nanavati  
Prof. D. V. Mahant  
Prof. D. A. Patel  
Prof. H. H. Thakar  
Dr. M. S. Dani

DTE approved  
GUJCOST sponsored  
ONLINE FACULTY  
DEVELOPMENT  
PROGRAMME

**METALLURGY FOR ALL**

21 - 25 FEB 2022



organized by  
**Metallurgy Department**  
Government Engineering College  
Gandhinagar



## OBJECTIVE OF PROGRAM

This FDP is intended to deliver comprehensive overview of metallurgy to bridge technological gap existing in industries and institutes with

## OUTLINE OF CONTENT

- Introduction to Materials and Metallurgy
- Dislocation Theory, Phase Diagram
- Iron and Steel Production
- Non Ferrous Extractive Metallurgy
- Ceramics and Composite,
- Super Alloy, Smart and Bio Materials
- Arc Welding and Advanced Welding methods
- Metal Working
- Casting Processes in Foundry
- Non Destructive Testing
- Heat Treatment Principles and Processes
- Corrosion, Types, Protection and Testing
- Failure and Characterization

## RESOURCE PERSONS

The series of lectures will be delivered by eminent speakers from premier institutes of India.

**For Further Details**

**Prof. H. H. Jadav**

**(9998978252)**

**Prof. B. R. Rana**

**(9979784961)**

## IMPORTANT DATES

**Receipt of Application: 07/02/2022**

**Confirmation of Selection: 18/02/2022**

## WHO CAN APPLY?

Degree & diploma faculty members, Institute, Industry personnel and PG/Research scholars from Mechanical, Metallurgy, Production, Automobile and allied fields can apply for the STTP.

## COURSE REGISTRATION FEES

**Registration Fess: Nil**

## CERTIFICATION

e-Certificates will be issued subject to the participants qualifying the following conditions- Minimum **80% attendance** and **60% marks** in the exam

## HOW TO APPLY

The applicants are required to confirm the participation through below mentioned Google form:

**<https://forms.gle/DDw4cswq1BFFJExw6>**

Additionally, send the scanned copy of duly filled application form along with certificate from sponsoring authority to the coordinator on or **before 18<sup>th</sup> Feb 2022** via below mentioned email: **[metallurgyevents@gecg28.ac.in](mailto:metallurgyevents@gecg28.ac.in)**  
Govt. degree/diploma institutes faculties are required to apply on TNA portal.



**GOVERNMENT ENGINEERING COLLEGE  
SECTOR 28, GANDHINAGAR**

## VISION

To be a premier engineering institution, imparting quality education for innovative solutions relevant to society and environment.

## **METALLURGY DEPARTMENT**

## VISION

Developing excellence in Metallurgy Engineering education through research, development innovation and team work for the benefit of society and environment.

## MISSION

- ♦ To prepare competent metallurgy engineers who can apply metallurgical fundamentals to control and manage different metallurgical and materials processing operations to produce quality metals products in industries.
- ♦ To deliver information about current trends in the field of metallurgy and materials to the students.
- ♦ To encourage students to work on innovative projects related to metallurgy engineering for managing defects free, economical, energy efficient products, processes or devices to best serve the nation to fulfil the socio-economic, techno-commercial and environmental needs.