

## DETAILS OF PAYMENT

We accept Registration fee through Demand draft/ Cash/ NEFT

### The NEFT details:

Bank Name : Bank of Baroda  
A/c Name : Principal-DJMIT  
A/c No. : 09400100027659  
BRANCH NAME : ANAND  
IFSC CODE : BARB0ANASTA

## REGISTRATION FEES

Rs. 250 : Faculty Members/Industry Person

Rs. 200 : Students/Research scholar

### Fill following link for registration:

<https://goo.gl/forms/P6fkwhVXBhXuWuFC3>

Following QR code can also be scanned for registration:



## VENUE

**Dr. JIVRAJ MEHTA INSTITUTE OF TECHNOLOGY**  
NEAR SHANKARA EYE HOSPITAL , NH 8,  
VILLAGE-MOGAR,  
DIST. ANAND, GUJARAT - 388340

## CHIEF PATRON

**Shri NARENDRABHAI SHRIMALI**

Chairman, CENT - DJMIT

## PATRON

**Dr. ARVINDKUMAR M. JAIN**

Principal, DJMIT

## EXPERTS

**Dr. SANJAY SOMAN**

Head, Metallurgical Engineering Department,  
Faculty of Technology & Engineering,  
The Maharaja Sayajirao University of Baroda, Vadodara

**Dr. VISHVESH BADHEKA**

Head, Mechanical Engineering Department,  
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## CONVENER

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**Dr. JIVRAJ MEHTA**  
**INSTITUTE OF TECHNOLOGY,**  
**ANAND**

**DST (GUJARAT) SUPPORTED &**  
**GUJCOST SPONSORED STATE LEVEL**  
**ONE DAY SEMINAR**  
**ON**

**ADVANCES**  
**IN**  
**WELDING PROCESSES**

**21<sup>st</sup> February 2019 (Thursday)**



**ORGANIZED BY**  
**MECHANICAL ENGINEERING**  
**DEPARTMENT**  
**DJMIT**

## ABOUT THE INSTITUTE

Dr. Jivraj Mehta Institute of Technology, Mogar, Anand also known as DJMIT is an engineering institute affiliated under Gujarat Technological University & approved by AICTE. It is a growing institute in the field of technical education with an objective to provide quality education & excellence. DJMIT was established in 2010 and offers undergraduate courses in Mechanical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering and Information Technology (proposed). It also offers Post Graduation courses in Mechanical Engineering (Thermal Engineering) and Electrical Engineering.

## ABOUT THE DEPARTMENT

Department of Mechanical engineering was established in 2010 to meet the demands of competent mechanical engineers to face the global challenges in design and development.

## VISION

To develop innovative and practical approaches with the theoretical skills in the field of mechanical engineering.

## MISSION

To impart theoretical knowledge to the students through the curriculum and encourage them to solve industrial problems.

## ABOUT THE SEMINAR

- The seminar will focus on various aspects of advances in welding processes.
- Welding processes play a dominant role in fabrication industries for metal joining. In order to achieve higher joint efficiency, it is essential to have a proper combination of base material and process parameters.
- The process parameter influences the development of weld microstructure and the joint strength. Hence, advances in welding engineering will be discussed to address the same.
- Fusion welding is more susceptible to certain problems such as liquation cracking, solidification cracking and porosity that degrades the mechanical properties. Solid state welding overcomes these problems to improve the joint strength. Hence, advances in various metal joining processes will be discussed.
- Friction stir welding is more preferred than fusion welding to join high strength aluminum alloys. The process details and benefits will be discussed.

## LEARNING OBJECTIVES

- To introduce the importance and relevance of welding processes.
- To understand the fundamentals and to appreciate the challenges.
- To apply the knowledge of welding processes to improve the mechanical properties.

## RESOURCE PERSONS

Eminent personalities from academia.

## SEMINAR SCHEDULE

21<sup>ST</sup> FEBRUARY 2019

9:30am	Registration
10:00 to 10:30am	Inaugural Function
10:30 to 11:00am	High Tea
11:00am to 12:15pm	Expert Lecture on Advances in Welding Engineering by Dr. Sanjay Soman
12:15 to 1:15pm	Lunch
1:15 to 2:30pm	Expert Lecture on Advances in Metal Joining by Dr. Vishvesh Badheka
2:30 to 2:45pm	High Tea
2:45 to 4:00pm	Expert Lecture on Advanced Welding Processes in Aluminum Alloys by Dr. Nilesh Ghetiya
4:00 to 4:30pm	Valedictory Function