

**ONE WEEK**  
**SHORT TERM TRAINING PROGRAM**  
**on**  
**ADVANCES IN MANUFACTURING**

*06 – 10 January, 2020*

**Under**  
**TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAM**  
**(TEQIP-III)**

**Coordinators**  
**Dr. Shailendra Kumar**  
**Dr. Harshit K. Dave**

**Organized by**



**Department of Mechanical Engineering,**  
**Sardar Vallabhbhai National Institute of Technology,**  
**Ichchhanath, Surat - 395007, Gujarat, INDIA**

### **About Surat:**

Surat is a top ranking industrial city of the country with clean wide roads and over bridges. It is well known worldwide for textiles, zari, embroidery and diamond industries. Several large scale industries are located in the city. Surat is situated on the main western railway route between Vadodara and Mumbai and connected to all part of the country through rail network. Further, daily flights connect Surat with New Delhi and Mumbai. The institute is located at Ichchhanath on Surat-Dumas road at a distance of about 10 Km from Surat railway station and airport.

### **About the Institute:**

The institute was initially established as Sardar Vallabhbhai Regional College of Engineering & Technology in 1961. It was later upgraded as a National Institute of Technology in 2002. It has been accorded the status of institute of national importance. SVNIT is one of the pioneering engineering institutions of the country which has nurtured many outstanding engineers in India & abroad. At present, the institute runs seven UG programs, eighteen PG programs and a Ph.D. program in all disciplines of engineering and applied sciences. The institute has an excellent placement record with a number of top ranking companies visiting the campus every year.

### **About the Department:**

The Department of Mechanical Engineering came into existence in the year 1961. The department has a team of 43 qualified and dedicated faculty members having specialization in various areas. At present the department is conducting a UG program (Mechanical Engineering), five PG programs (Mechanical Engineering, Turbo-machines, Manufacturing, CAD/CAM, and Thermal System Design) and a research program leading to M.Tech (Research) and Ph.D. degree.

### **About the Program:**

The basic objective of the present program is to acquaint the participants with the working and applications of various advanced manufacturing processes and techniques. The participants will be able to gain state of the art knowledge in advance manufacturing processes and systems through lectures, tutorials, demonstrations and hands on training. Further, it is also aimed to appraise the participants about the research trends in the course area and facilitate mutual cooperation for knowledge sharing and research applications.

**Major Course content:**

- Advance Manufacturing Processes
- Micro Manufacturing Processes
- Additive Manufacturing Techniques
- Materials Processing and Characterization
- Optimization and AI Applications
- Research trends in Manufacturing
- Scope for Innovation & Entrepreneurship in Manufacturing

**Program Faculty:**

The resource persons for the program shall include faculty from host institute, various prestigious institutes as well as experts from industries.

**Eligibility for Participation:**

The training program is open to faculty members from engineering institutes (degree & diploma), research scholars and industry personnel who are working in mechanical, production, material science and metallurgy field.

**Registration Fee:**

The registration fees for the program is Rs. 500/- for UG/PG students and full time PhD research scholars, Rs. 1000/- for faculty members from technical institutes and Rs. 2000/- for Industry personnel & practicing engineers.

Registration fee includes registration kit, course material and food. Research scholars have to attach bonafide certificate or photocopy of their valid identity card along with registration form. The non-refundable registration fees should be sent in the form of a Demand Draft in favour of "**DIRECTOR SVNIT TEQIP-IRG**" payable at Surat.

Limited accommodation in institute/hostel guest house shall be provided to participants upon prior request on payment basis. The participants have to bear their own travelling expenses.

**Last Date of Registration:**

Hard copy of the duly filled and signed registration form along with registration fee should reach the coordinator on or before **23<sup>rd</sup> December 2019**. However, scanned advanced copy of registration form and demand draft must be sent through <https://forms.gle/mz61jhFz81KTT5D79> for early registration and confirmation.

**TEQIP-III SPONSORED SHORT TERM TRAINING PROGRAM ON  
"ADVANCES IN MANUFACTURING"**

**Organized by Department of Mechanical Engineering, SVNIT, Surat – 395007**

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