

*TEQIP III Sponsored
National Level*

SHORT TERM TRAINING PROGRAMME

ON

**2nd Basics of Tribology and Its Industrial Engineering
Applications (BTIEA - 2020)**

January 06 - 10, 2020

COORDINATORS

**Dr. Sandeep Soni
Dr. B. M. Sutaria**



ORGANIZED BY

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

Industrial Exposure at

SCHAEFFLER



About the Institute:



Sardar Vallabhbhai National Institute of Technology (SVNIT) Surat is one of the twenty National Institutes of Technology in India set up with the objective to provide high quality technical education to meet the needs of the Nation in the present competitive world. SVNIT is situated on Athwa-Dumas Road, Surat. The campus is opposite to the Ichchhanath Temple, Piplod. The campus is spread over 250 hectares of lush green forest, which is midway between the Surat Domestic Airport and Surat Railway station, and is well connected by city buses and local trains. The campus is around 10 km from the Surat Railway station.

About Department:

Established in 1961, the department of Mechanical Engineering at SVNIT offers Under Graduate course in Mechanical Engineering and Post Graduate programs in Turbo-machines, CAD-CAM, Mechanical Engineering, Thermal System Design and Manufacturing Engineering. The department also offers Ph.D. programs to promote basic research activities in the abovementioned areas. The consulting services in diverse fields of Mechanical Engineering are carried out for local government, semi-government, non- government organizations, private firms etc. in the region with the support of well-equipped laboratories and advanced computing facilities.

Introduction:

One week short term training program “**2nd Basics of Tribology and Its Industrial Engineering Applications (BTIEA - 2020)**” is scheduled to be held during January, 06 - 10, 2020. The aim of the program is to provide a platform in which participants get knowledge about the basics of Tribology & its industrial applications. It will help to bridge the gap between theory and its real application in industry.

Objectives:

The objective of this program is to train the faculty members, research scholars, young scientists, and post graduates students of various organizations. The objectives of workshop is to provide a platform for interaction and exchange of ideas in the field of Tribology and its industrial applications from national academic institutes, research laboratories, and relevant industries like FAG India Baroda, ABC Bharuch etc. This workshop involves invited lectures by distinguished experts from NIT's, IIT's, IISC, MMMUT, Gorakhpur and reputed industries in the field of Industrial Tribology and maintenance, condition monitoring and its Applications.

Topics to be Covered:

- Fundamentals of Tribology
- Tribological Studies in Automobiles
- Theories on Friction and Wear
- Bearing Tribology
- Bearing Failure Analysis
- Materials for Tribology Applications
- Design of Tribological Elements
- Engine Tribology
- Condition monitoring, Diagnosis & Maintenance
- Lubricants - MR Fluid and its Applications
- Measurement Techniques of Tribology
- Bio Tribology
- Industrial Case Studies

Important Dates

Last date of receipt of application: 25.12.2019

Notification of confirmation (By Email): 30.12.2019

Eligibility:

This program is an interdisciplinary in nature so faculty members, research scholars and PG students from all background of engineering, mathematics and basic sciences are eligible for this Short Term Training Program (STTP). Scientists who are working in the R&D organizations/ Industry persons can also attend this program.

Selection:

Since the numbers of seats are limited to **30**, the selection will be made on *first come first serve* basis and intimation will be sent to the candidates by email as per the schedule. Certificates will be issued to the participants only after attending the complete course. Accommodation may be provided on payment basis in institute hostels of SVNIT provided earlier request is made in the registration form.

Contact Persons:

Dr. Sandeep Soni
+91-9727337702

Dr. B. M. Sutaria
+91-9427421615

Email ID: btiea2020@gmail.com

Registration Fee:

For Persons from Industries/R&D: Rs. 3000/-

For Faculty From Engg. College: Rs. 2500/-

For Students / Research Scholars: Rs. 1500/-

Link for form Submission- <https://forms.gle/LNT1QYCQuoKBPGkj6>

The **non-refundable registration fee** to be sent in the form of a DD in favor of “**Director, SVNIT TEQIP IRG**” payable at **Canara Bank, Nanpura Branch, Surat**.

In case, **if a candidate is not selected** for the training program, then the DD sent by him/her will be **sent back** to his/her address before the beginning of the training program.

Resource Persons:

Distinguished experts from IITs, NITs and MMMUT, Gorakhpur, well known Industry and Universities will be invited for delivering lectures.

Organizing Committee:

Dr. S. K. Budhwar, Professor & Head,
Mechanical Engineering Department, SVNIT Surat.

Dr. D. V. Bhatt, Professor,
Mechanical Engineering Department, SVNIT Surat.

Dr. J. V. Menghani, Associate Professor,
Mechanical Engineering Department, SVNIT Surat.

Dr. S. N. Pandya, Assistant Professor,
Mechanical Engineering Department, SVNIT Surat.

Er. R. P. S. Negi, M.D., Schaeffler India Limited, Vadodara

Patron:

Prof. S. R. Gandhi
Director, SVNIT, Surat

REGISTRATION FORM

TEQIP III Sponsored
National Level
Short Term Training Program
On

2nd Basics of Tribology and Its Industrial Engineering Applications
(BTIEA - 2020)

January, 06-10, 2020

Organized by
Mechanical Engineering Department
SVNIT, Surat

Full Name (Block Letter):

Name of College/Institution/Organization:

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Qualification:

Designation:

Address:

.....
.....

Pin code:

Phone No.:

Mobile No.:

E-mail:

Do you need accommodation: (Yes/ No):

I have enclosed the registration fee of Rs.....by D.D. No

Dated.....in favour of **“Director, SVNIT TEQIP IRG”** payable at **Canara Bank, Nanpura Branch, Surat.**

Place:

Date:

Signature of the Participant

Duly filled registration form must reach to Department of Mechanical Engineering, SVNIT-Surat before last date of receipt of registration form by post/by hand along with registration fee.