

*Two Days e-workshop
On*

**"Tribology For sustainable Development"
(23/10/2020 to 24/10/2020)**

1.Link for online Registration

https://docs.google.com/forms/d/e/1FAIpQLSeTB6QG_ezX9opiE3-zNQJzkYvX_6EyCEXhPQKXbbuWTbb4xRg/viewform?usp=pp_url

2.Link for all session(Google meet)

meet.google.com/yma-vpqj-azk

Chief Patron:

Hon'ble Shri Radhakrishna Vikhe Patil

Member of Legislative Assembly & Chairman,
PRES, Loni

Patrons

Hon'ble Sau. Shalinitai Vikhe Patil

Ex President, Zilla Parishad, Ahmednagar

Hon'ble Dr. Sujay Vikhe Patil

Chairman, PDVVPSSK, Ltd. Pravaranagar

Hon'ble Dr.YSP Thorat

(Former Chairman NABARD &
Director General, PRES, Loni)

Hon'ble Mr. Bharat Ghogare

(Joint Secretary, PRES, Loni)

Hon'ble Sushmita Mam

(CEO PRES Loni)

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Chairman, BOS (Mechanical)

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(Technical Director, PRES Loni)

Convener

Dr Y R Kharde

Principal,SVIT Nashik

Coordinator

Dr. Santosh. N. Shelke

Prof. & Head,Department of Mechanical Engineering

Organizing Committee

*All Faculty of Mechanical Engineering Dept and
Mechanical Engineering students Association(MESA)*

Institute Logo



*Two Days e-Workshop
On*

**"Tribology For Sustainable Development"
October 23-24, 2020**



Organized By

Department of Mechanical Engineering

Loknete Dr Balasaheb Vikhe Patil

(Padmabhushan Awardee)

Pravara Rural Education Society's

**Sir Visvesvaraya Institute of
Technology, Nashik- 422102**

(NAAC Accredited)

About Society:

Pravara Rural Education Society (PRES) which was founded by Late Padmashri Dr. Vithalrao Vikhe Patil, a great visionary and founder father of first cooperative sugar factory in Asia. Late Padmabhushan Dr. Balasaheb Vikhe Patil, an outstanding leader of Maharashtra & a member of Parliament for over three decades, embarked upon arduous task of translating the dream of Padmashri into concrete reality by meticulous planning. PRES is blessed by the dynamic and programmatic leadership of our chairman Hon'ble Shri. Namdar Radhakrishna Vikhe Patil, Member, Legislative Assembly, Maharashtra. PRES is one of the leading educational group in India. The society runs various 102 institutions spread all over Maharashtra imparting quality education ranging from KG to PhD level to more than 42,000 students. The Society has received Award for Educational Excellence in 9th Indo-American Education Summit- 2016 & 17.

About Institute

Sir Visvesvaraya Institute of Technology was established 1998 under the aegis of 'Pravara Rural Education Society' (PRES). The Institute is one of the premier institutes in Nashik region. At present the institute offers six UG and Four PG courses. State of the art Infrastructure, Ultramodern laboratories, Team of highly qualified experienced staff are the foremost feature of the institute. Alumni are our proud to have more than 5,000 alumni working as our Brand Ambassadors all over the world. Institute is in progress for due NAAC accreditation.

About the Department:

Department of Mechanical and was established in 1998 with intake of 60 for UG and post-graduation course (Design Engg) with intake 18. The Department has well equipped laboratories for effective teaching and learning process. The department has a team of young, dynamic and qualified faculty who strive for excellence. The department has received various grants under AICTE under the scheme of MODROBS. We also have received various BCUD grants under QIP.

The department is well equipped with laboratories such as FFT analyzer, Universal Testing Machine, Steam Power Plant, CNC Machine, Torsion Testing Machine, Advanced Design/Analysis software's and modern infrastructural facilities. We are in the process of tie-ups with various industries for developing incubation hub. A department run many industry oriented value addition programs and signed MoU's with reputed industries. Through the continuous improvement in quality enhancement department has achieved 60% placement for the batch 2019-20.

About the Workshop:

Tribology is study of friction, wear, lubrication, surface texturing, hydrophobic and super-hydrophobic surfaces, amphiphobic surfaces, Oleophobic surfaces, fluid-film bearings, porous bearings, Rheology of Non-Newtonian fluids and tribological investigations of Composite Materials.

Composite Materials: Polymer, ceramic and metal matrix composites, green composites, fibrous and particulate composites, hybrid composites, self-healing composites, micro and nano composites, nano-electronics and nano-mechanics. Multiscale Modelling of Materials: Molecular dynamics, Density functional theory analysis, Monte Carlo technique of atomistic modeling, meso-scale modeling, Finite element modeling (FEM) of materials. Mechanical Properties: Fracture and damage, fatigue, dynamic fracture, dynamic behavior, interfaces and interphases, creep and aggressive environment.

OBJECTIVES:

1. The main objective of this workshop is to provide a unique platform to facilitate the scientists, researchers, academicians, industrialists and students to share the recent advancements and the challenges in technological development of tribology of materials.
2. To exchange innovative ideas among the researchers in the area of tribology of materials around the country.
3. To provide an opportunity to various experts to share their experiences and success stories.
4. It will also focus on hybrid composites and nano Tribology

How to Reach SVIT:

Address: A/P: Chincholi, Tal: Sinnar, Dist: Nashik, Maharashtra, India- 422102.

Email: principal.svit@pravara.com



Registration Charges: NIL

(e-certificate will be provided based on each session attendance & after submission of feedback form)

Program Schedule:

Following resource persons are invited from various industries/institutes:

Date	Session	Time	Speaker
23/10/2020	Welcome & Inaugural	10.00-10.30pm	Address by Chief guest
	I	10.30-12.00pm	Dr. R G Desavle, Professor, Department of Mechanical Engineering, RIT Sangali
	II	2.00-3.30pm	Dr. P.P. Ritapure, Asso. Professor
24/10/2020	I	10.30-12pm	Dr S. R. Suryawanshi, Asso Professor, MET Nashik
	II	2.00-3.30pm	Dr Y R Kharde, Principal, SVIT Nashik
	Validictory & feedback	3.30-4.00pm	Dr S.N Shelke

Important Dates:

- Last date for online registration: 23rd Oct 2020
- Contact person: Dr S.N.Shelke (Mb.9890634535)