



## **WORKSHOP ON STANDARDIZATION OF SENSORS, DEVICES AND THEIR APPLICATIONS**

**February 22-23, 2022**

**Hybrid Mode (MS Team)**



*Organized by*

**Thapar Institute of  
Engineering & Technology,  
Patiala**

**CSIR – National Physical  
Laboratory, New Delhi**

*In association with*

**Metrology Society of India  
(Northern Region)**

## **Aim of the workshop**

This workshop will provide an opportunity for leading academicians, scientists, researchers, industrialists, medical professionals, and decision-makers in electronics, machines, infrastructure, healthcare, *etc.* to disseminate their latest knowledge and discoveries to the Indian society. It will take you on a journey of knowledge, allowing you to collaborate and learn about the most recent innovations, trends, and concerns, practical challenges encountered, and solutions adopted with emphasis developed in the country.

Thapar Institute of Engineering & Technology (TIET) was founded in 1956 with the goal of producing high-quality professionals to meet the needs of the country. TIET provides academic programs in a variety of disciplines at the undergraduate, postgraduate, and doctoral levels. The Times Higher Education World University Rankings of 2020 placed TIET 501-600 in the world, and 144 in Asia in the ranking of 2021. According to the QS World University Rankings 2022, it is ranked 251-260 in the world.

CSIR - National Physical Laboratory is India's National Metrology Institute founded on January 04, 1947. Over the years, the Laboratory has more than fulfilled its primary mandate as the nation's keeper of measurement standards while also significantly expanding its research activities to emerge as a leading national institution for research in a wide range of Physical Sciences fields.

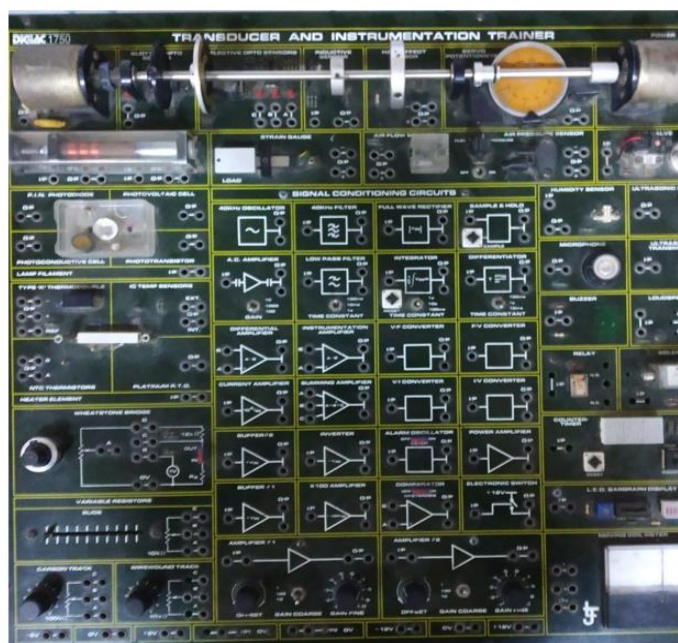
The role of metrology is to enhance the precision and accuracy in measurement capabilities in the demanding engineering environment of the 21st century. In today's technologically advanced industrial applications and socio-economic challenges, emphasis is focused on health and safety applications of precise, fast monitoring, control of desirable and undesirable parameters of the system for low energy consumption, and effective in cost.

In this workshop, we propose bringing together stakeholders comprising metrologists, MSME manufacturers, legal metrology officers, calibration and testing laboratories in all the fields to deliberate on standardization and other well-known practices.

## Laboratory/Onsite Demonstrations



**Quanser Qube Rotary Servo**



**Sensor based Laboratory kit**

## Advisory Committee

Dr. Venu Gopal, Director CSIR-NPL  
Dr. D.K. Aswal, President, MSI, BARC  
Dr. Prakash Gopalan, Director, TIET  
Mr. N. Venkateswaran, CEO, NABL  
Mr. B.N. Dixit, Director Legal Metrology  
Dr. Ranjana Mehrotra, Vice-President, MSI  
Dr. Sanjay Yadav, Vice-President, MSI  
Dr. S. K. Jaiswal, Secretary  
Dr. S.S.K. Titus, Joint Secretary  
De. Naveen Garg, Treasurer

## Eminent Speakers

Dr. Venu Gopal, Director CSIR-NPL, New delhi  
Dr. D.K. Aswal, President, MSI, BARC, Mumbai  
Dr. Prakash Gopalan, Director, TIET, Patiala  
Mr. N. Venkateswaran, CEO, NABL, Delhi  
Mr. B.N. Dixit, Director Legal Metrology, Delhi  
Dr. S. Yadav, MSI, CSIR-NPL, New Delhi  
Dr. Avnish Kumar, DMRC, Mohali  
Dr. Susheel Mittal, VC, SBSU, Gurdaspur  
Dr. B S Satyanarayana, VC, CGU, Orisa  
Dr. Varinder Garg, PGIMER, Mohali  
Dr. Ajay Batish, Deputy Director, TIET, Patiala  
Dr. Sushil Chandra, DRDO-INMAS, Deldi  
Dr. Ramesh Chaudhary, IIT Roorkee  
Dr. Rajinder, Punjabi University, Patiala  
Dr. Suman Sharma, IWST, Bangalore  
Dr. Harpal Singh, GNDEC, Ludhiana  
Dr. Amod Kumar, NITTER, Chandigarh  
Dr. Bipan Rathore, JLNGC, Manali  
Dr. Ashwani Mahajan, PGDAV College, Delhi

## Organizing Committee

Patron	Dr. Prakesh Gopalan Director, TIET
Chairperson	Dr. Ajay Batish
Vice-chairperson	Dr. R.S. Kaler
Coordinators	Dr. Ravinder Agarwal Dr. Kulvir Singh
Convener	Dr. Alpana Agarwal Dr. Manbir Kaur
Co-convener	Dr. Manmohan Chhiber
Organizing Secretary	Dr. Manu Bansal Dr. Swati Sondhi
Organizing Members	Dr. Nirbhowjap Singh Dr. Mohit Agarwal Dr. Jayant Kolte Dr. Sangeeta Kamboj Dr. Rajesh Mehta Dr. Raman Goyal Dr. Anil Arora Dr. Amanpreet Kaur Dr. Geetanjali Dr. Diwakar Tripathi

## Venue:

**Thapar Institute of Engineering  
and Technology, Patiala 147004  
(Punjab)**



Workshop on Standardization of Sensors, Devices, and their Applications is an important series of workshops on the occasion of the **Celebration of Azadi ka Amrit Mahotsav (Atam Nirbhar Bharat)** at TIET, Patiala.

*“When India speaks of becoming self-reliant, it doesn’t advocate a self-centered system. In India’s self-reliance; there is a concern for the whole world’s happiness, cooperation, and peace”*

- Hon’ble PM, Shri Narendra Modi

## Please fill the google form for registration

Google Form link for registration

### Academician :

<https://forms.gle/DXbhA3MmeqQCcKaa6>

### Industry:

<https://forms.gle/ixRUKMm9hKPjtynh9>

The application must be submitted before the deadline of February 14, 2022.

For further details, please contact

***You can avail 25% discount on the membership fee, if you opt to become a member of the Metrology Society of India during the workshop***

Link to become Member of the MSI <https://forms.gle/rjWHKetRZkQYpQQ47>

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