



BITS Pilani
Hyderabad Campus

IEEE SENSORS COUNCIL HYDERABAD CHAPTER

Winter School

Printed Sensors for a Smarter, Healthier and Connected Industrial World

Dates : Jan 30 and 31 , 2026

**Department of EEE,
BITS Pilani Hyderabad Campus**

Venue:

Seminar Hall - G204 B

Guest of Honour



Dr. Prakash Chauhan
Director,
NRSC, ISRO, Hyderabad



Dr. JV Satyanarayana
OS & Sc H, Director,
AI and Visualization group, RCI



Dr. S K Sharma
Director,
IT & Electronics, Government
of Telangana



Mr. MGPL Narayana
Chair,
IEEE Hyderabad Section



Dr. Rajinikanth Aluvalu
Director,
Symbiosis Institute of
Technology

IEEE Sensors Council Distinguished Lecturers



Prof. Shweta Agarwala
Professor and Associate Dean,
Ahmedabad University



Prof. Sanket Goel
Birla Chair Professor and
Head - CREST, BITS Pilani
Hyderabad campus

Speakers from Academia and Industry



**Prof. Shanmuga Sundar
Dhanabalan**

Associate Director (Research) -
Centre for Technology Infusion
(CTI)



Mr. N. Venkatesh

Sr. Director, Engineering,
Silicon labs



Dr. Sonu Gandhi

Scientist E at the National
Institute of Animal
Biotechnology, Hyderabad,
India



Prof. Parikshit Sahatiya

Associate Professor,
BITS Pilani, Hyderabad
Campus



Dr. Kaveri Jain

TLP Member of Technical
Staff Lead, Micron



Prof. Varun Ranghunathan

Assistant Professor in the
Department of Electrical
communication Engineering,
Indian Institute of Science (IISc),
Bangalore

Convener



Prof. Ponnalagu R N

Chair, IEEE Sensors Council Hyderabad Chapter,
Associate Professor at Birla Institute of
Technology & Sciences, Pilani Hyderabad
campus

Co-Convener



Dr. Priyanka Veeramosu

Vice Chair, IEEE sensors Council
Hyderabad Chapter, Sr. Asst.
Professor, ECE VNRVJMET



Program



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IEEE Sensors Council, Hyderabad Chapter's Winter School

Printed Sensors for a Smarter, Healthier & Connected Industrial World

30 and 31 January 2026: Department of EEE, BITS Pilani Hyderabad Campus

Venue: G204 B

<https://www.bits-pilani.ac.in/hyderabad/sensors> | ponnalagu@hyderabad.bits-pilani.ac.in

Tentative Schedule

Time	Activity
08.30 to 09.15 am	Registration
09.30 to 10.30 am	Inauguration
10.00 to 10.30 am	Inaugural address. Dr. JV Satyanarayana, OS & Sc H, Director, AI and Visualization group, RCI
10.30 to 2.45 pm	Session 1: Session Chairs: Prof. Ponnalagu R N, BITS Pilani Hyderabad Campus and Dr. Priyanka, VNR VJIET
10.30 to 11.15 am	Talk by Prof. Shweta Agarwala (IEEE Sensors Council Distinguished Lecturer) <i>Ahmedabad University</i> Title: Living with Electronics: Designing Soft, Resorbable Materials for Next-Generation Healthcare
11.15 to 11.30 am	Tea break
11.30 to 12.15 pm	Talk by Dr. Sonu Gandhi <i>National Institute of Animal Biotechnology (NIAB)</i> Title: Screen Printed Electrodes for Smart Sensing
12.15 to 1.00 pm	Talk by Dr. Kaveri Jain <i>TLP Member of Technical Staff Lead, Micron</i> Title: Fabrication processes for sensor device structures
01.00 to 2.00 pm	Lunch _ Auditorium Foyer
02.00 to 2.45 pm	Talk by Prof. Parikshit Sahatiya <i>BITS Pilani Hyderabad Campus</i>

	Title: 2D Materials based Flexible and Wearable Sensors
02.45 to 5.30 pm	Hands on Sessions (MMNE lab/NSDL lab/Clean room) Tea Break in between
Saturday, 31 January 2026	
9.30 to 10.00 am	Keynote Lecture by Dr. Prakash Chauhan <i>Director, NRSC, ISRO, Hyderabad</i> Title: To be Confirmed
10.00 to 1.15 am	Session 2: Session chairs Prof. Arindam Kushagra, BITS Pilani Hyderabad Campus and Dr. Ushadevi, KL University
10.00 to 10.45 am	Talk by Prof. Shanmuga Sundar Dhanabalan (online) <i>La Trobe University, Melbourne, Australia</i> Title: 'Soft Electronics: Making Wearable Technology Feel Like a Second Skin'
10.45 to 11.30 am	Talk by Prof. Varun Raghunathan , Associate Professor <i>Indian Institute of Science (IISc)</i> Title: Dielectric Meta surfaces for Sensing and Nonlinear Optics
11.30 to 11.45am	Tea break
11.45 to 12.30 pm	Talk by Mr. N. Venkatesh <i>Senior Director, Engineering, Silicon labs</i> Title: Ultra-Low Power Wireless MCUs for Printed Sensors
12.30 to 1.15 pm	Talk by Prof. Sanket Goel (IEEE Sensors Council Distinguished Lecturer) <i>BITS Pilani, Hyderabad Camus</i> Title: Printed Devices for Biosensing Applications
01.15 to 2.00 pm	Lunch break
02.00 to 4.30 pm	Hands on Sessions (MMNE lab/NSDL lab/ Clean room) Tea Break in between
04.30 to 5.30 pm	Valedictory Session/Certificate distribution/Feedback Collection Dr. S K Sharma, Director – IT & Electronics, Government of Telangana Dr. Rajinikanth Aluvalu, Director Symbiosis Institute of Technology

Hands on Sessions

- MEMS, Microfluidics and Nano Electronics (MMNE) lab: <https://mmne.bits-hyderabad.ac.in/>
- Nanoscale devices laboratory (NSDL): <https://www.linkedin.com/in/nsdl-nanoscale-devices-laboratory-158aa5210/>
- Clean room, BITS Pilani Hyderabad Campus

Co-ordinators:

Prof. Ponnalagu R N, Associate Professor, BITS Pilani Hyderabad Campus,
Chair, IEEE Sensors council Hyderabad Chapter

Dr. Priyanka Veeramosu, Sr. Asst. Professor, ECE VNRVJIET,
Vice Chair, IEEE Sensors council Hyderabad Chapter