



# National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram

Council of Scientific & Industrial Research (CSIR)

Ministry of Science and Technology, Govt. of India



Short term training program on

## “Printed Electronics based Advanced Device Fabrication”

The National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram, is a constituent Laboratory of the Council of Scientific and Industrial Research (CSIR). CSIR-NIIST is engaged in R & D programs and has established state of the art facilities for research in the areas of Environmental Technology, Chemical Sciences and technology, Agro-processing and technology, Materials Science and Technology, and Microbial processes & technology.

The offered one day training program is on printed electronics which is a bleeding edge manufacturing protocol where standard printing techniques like screen printing, flexography, and inkjet printing are employed for realizing flexible electronic circuits.

### Eligibility :

Graduate in Science/Engineering

### Topics Covered :

- Introduction to Printed Electronics, State-of-the-art Printing Technologies and Methods, Applications and Future perspective
- Materials for Printed Electronics, Customized substrates and Inks, Advanced Ceramic Technologies, Printed thick film devices, Piezo-ceramics, Micro-heaters, Customized device packaging, MEMS packaging
- Flexible energy harvesters, Piezoelectric Nanogenerators (PENG), Triboelectric Nanogenerators (TENG), Flexible sensors for physical parameters and bio-signal monitoring, Wearable antennas and heaters

The participants will receive a Certificate & Course material (soft copy)



Date : Nov 25, 2021

Time : 10 AM to 4 PM

### Course Fees :

Students/Research scholars : Rs. 750/-

Industries/Sponsored candidates : Rs. 1500/-

Apply Online : <http://sdp.niist.res.in>

Payment mode : Online

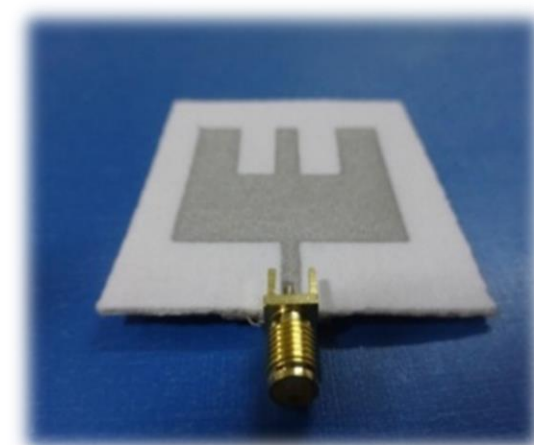
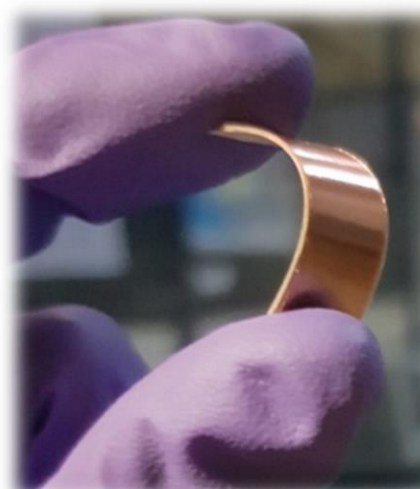
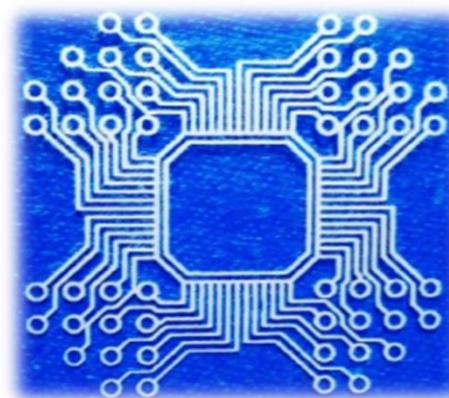
### Resource Persons :

1. Dr. K. P. Surendran,

Principal Scientist, CSIR-NIIST

2. Dr. Achu Chandran

Scientist, CSIR-NIIST



Course Coordinators:

Convener, SDP:

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