

N.K.Orchid College of Engineering and technology Solapur

Electrical Engineering Department

❖ About the NITTTR Kolkata

National Institute of Technical Teachers' Training & Research (NITTTR), Kolkata was established in 1965 as Technical Teachers' Training Institute (TTTI), Calcutta. This was the first among four such institutes (other three being at Chandigarh, Bhopal & Chennai) established by the Dept. of Education, MHRD, Govt. of India as fully centrally funded autonomous institutions for providing pre & in-service training to the teachers and staff of Degree and Diploma level training institutions and also for conducting various activities related to quality improvement of the technical education system of the country.

The Govt of India, in 2003, accorded national status to this institute, (along with the three sister institutes) in recognition of the contribution of these institutes for the expert service rendered for overall improvement of quality of Technical Education System.

NITTTR, Kolkata organized a Short Term Training Programme through ICT Mode (On-Line) for which our college was one of the remote centre. 14 faculties attended the 5 days STTP from different college.

Programme Title:-Theory, Operation and Applications of Transducers & Actuators in Industry (ICT17)

Date:-30/12/2019 to 03/01/2020

Programme Co-ordinator:-Dr. Subrata Chattopadhyay

College Coordinator:-Prof.Nitin U.Gawlai, Assistant Professor Electrical Engineering Department

Target Group:-Faculty of Electrical, Instrumentation, Electronics & allied disciplines

Course Content

- 1) Overview of Measurement Systems
- 2) Displacement and Position Sensors
- 3) Strain Gauge
- 4) Pressure Transducer
- 5) Flow Measurement
- 6) Temperature Measurement
- 7) Level Measurement

Programme Objectives:

After attending this programme, participants would be able to

- 1) Classify the Different types of Transducers & Actuators used in Industry.
- 2) Familiar with the overview of measurement system and selection of instruments
- 3) Understand fundamental of pressure, flow, temperature, level, velocity, acceleration, vibration, position, displacement measuring transducers used in process industries.
- 4) Apply the Transducers Actuators in process Control Systems.
- 5) Know the concept of Intrinsic safety instruments

Few Glimpses of STTP





