

SMART TEACHING



TEACHER TRAINING PILOT PROGRAM

For Excellence of Education per NEP 2020

An Initiative by NIST

Objective

There is fundamental paradigm shift in imparting smart teaching using evolving tools and techniques to prepare students for 21st century. It is imperative that the effectiveness of knowledge transfer is maximized with the use of visualization, active student engagement, making learning a fun and use of modern day tools such as animation and x-reality applications.

The objective the smart teaching pilot program is two folds:

- ❖ Use of smart teaching methodology such as modern day computing, software, tools and techniques and making learning more student centric and fun. It will also cover evolving learning models using virtual, augmented and mixed reality.
- ❖ Academic excellence session is focused on understanding of basic science concepts in an applied and initiative manner. It will also covers fundamental of Electronics, Artificial Intelligence and Machine Learning and its applications.

Program Outline

Description	Resource Person	Sessions
Inaugural and Program Introduction	Dr. Puyana Mishra Associate Dean, <i>Educational Leadership and Innovation</i> Arizona University, USA	1 Session
Smart Teaching Methodology <ul style="list-style-type: none"> • <i>Use of Computing and Software</i> • <i>Online Teaching - Digital Tools and Techniques</i> • <i>Making Learning a Fun - Collaborative and Interactive Learning</i> • <i>Students Participation - Presentation, Research and Following the Passion</i> 	NIST Faculty	9 Sessions
Academics Excellence <ul style="list-style-type: none"> • <i>Visualizing Mathematics</i> • <i>Understanding Science and Scientific Concepts (Physics, Chemistry, Biology)</i> • <i>Electronics and its Application (Robotics and Wireless Technology)</i> • <i>Artificial Intelligence and Machine Learning</i> 	NIST Faculty	9 Sessions
Valedictory Session (Conclusion and Feedback)	Principal, NIST	1 Session

Expected Start Date: May 1, 2022. Participants will join using video conferencing; hybrid model may be used. Each session will of 2 hrs duration; No Fees for Govt. School Teachers including OAVS, NV etc. Program will be offered using slides, interactive models and computational tools

ABOUT NIST: The National Institute of Science and Technology (NIST) (Autonomous) www.nist.edu, Institute Park, Pallur Hills, Berhampur, Odisha, was established in 1996 as first NRI higher educational venture in the state of Odisha.

Located at the foothills of Pallur Hills in Berhampur, spanning over sixty acres of lush green campus, NIST is a premiere research institute in the country, offering undergraduate, graduate, and Ph.D. programs in Engineering, Science, and Management. NIST has been constantly ranked highly in the country by various ranking organizations like NIRF (MHRD, Govt. of India), DATAQUEST, and Times etc. In 2021, NIST was ranked as band PERFORMER (ARIIA) by Ministry of Education, Govt. of India.

Kindly confirm your participation over email.

For any queries, feel free to contact us over telephone during working hours.

Contact

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