

TEQIP-III SPONSORED

**ONE DAY NATIONAL WORKSHOP
ON**

**Nano-Sensors & Their Applications
(NSTA-2020)**

31ST JULY 2020

**ORGANIZED BY
DEPARTMENT OF APPLIED SCIENCE**



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE

**(A GOVT. AIDED UGC AUTONOMOUS & NAAC ACCREDITED
INSTITUTE, ESTABLISHED IN 1957)
GWALIOR, M.P. Pincode-474005**

Patron:

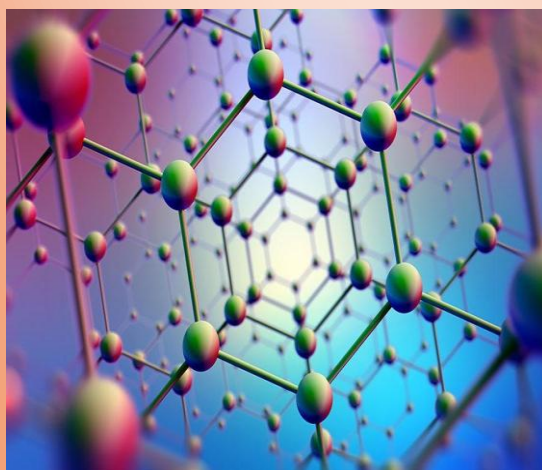
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Prof. J. K. Muthale, Assistant Professor

Dr. Anjula Gaur, Assistant Professor

Prof. Angad S. Ojha, Assistant Professor

Dr. Hansnath Tiwari, Assistant Professor



PREAMBLE

Nano-technology and nano-sensors are considered to be one of the most widely acclaimed areas in research and technology sector. Nanotechnology deals with physical or chemical properties of matter at the nano-scale, which can be different from their bulk properties. Nano-sensors can take advantage of these phenomena. Important characteristics and quality parameters of nano-sensors can therefore be improved over the case of classically modeled sensors with merely reduced sensing parts or the transducer.

Henceforth, the One Day National Workshop on “Nano-Sensors & Their Applications (NSTA-2020)” organized by the Department of Applied Science, MITS, Gwalior (under TEQIP-III Scheme) with the objective of providing a platform where academia will be familiarized with the application and importance of nano-technology and nano-sensors. It will provide a platform to share the development and novelties that make nano-sensors an important domain in today’s world.



Image source: ScienceDirect.com

COURSE CONTENT

The topics of discussion will be diverse and cover broad areas such as:

- **Fundamentals of Nanomaterials and Nanosensors**
- **Various applications of Nanosensors.**

RESOURCE PERSONS

1. **Dr. Prabhat Dwivedi, Senior Scientific Officer, Center of Nanosciences, IIT Kanpur.**
2. **Prof. Sanjay Shrivastava, Department of Physics, BHU, Varanasi.**

Note:

- Mode of Conduction will be Online through e-lectures by experts
- No. of participants is restricted to **75** based on early registration basis
- e-Certificates will be provided to all participants

Expected Participants from Engineering Colleges.

Link for registration:

https://docs.google.com/forms/d/e/1FAIpQLScDAH3wq26K_QZn_J9b9w10OfRnJW7O9HsiNf9JMRWzscJKnw/vi/ewform?usp=sf_link

For further queries, please mail us at: nsta.aps@gmail.com

ABOUT MITS

Madhav Institute of Technology and Science (MITS), Gwalior was established by his Highness Late Shri Jiwaji Rai Scindia, Maharaja of Erstwhile State of Gwalior, with an aim to create world class quality engineer’s and technocrats capable of providing leadership in all spheres of life and society. Founded as Madhav Engineering College in 1957 with three UG programs, this temple of learning is now about 60 years old. Since its inception, the institute has constantly strived for excellence and quality in technical education. Today, the institute offers nine UG programs along with research programs leading to Master’s and Ph.D. degree in various specializations of engineering and technology. All the departments of the institute have well equipped laboratories and experienced faculties. The institute is a minor QIP centre of AICTE for Ph.D. program in five disciplines. The institute is also funded by World Bank under TEQIP phase III to strengthen the quality of technical education.

LOCATION

Gwalior city has major road and rail connectivity as it is situated on the central railway and connected to major cities by highways. The Institute is located on Agra-Bombay Road (NH-3) and is approximately 320 KM from Delhi. The institute is located in the heart of city and is at a distance of about 2 km from Gwalior Bus Stand/Gwalior Railway Station.