

REGISTRATION FORM

Short Term Course

on

Nano-Science and Technology

Under QIP

(14 March-18 March, 2019)

1. Name:.....
2. Gender:.....
3. Designation:.....
4. Organization:.....
5. Correspondence Address:.....
.....
- Mobile.No.:.....
- Email:.....
6. Qualifications:
7. Teaching/Research Exp. (years):.....
8. Lodging Requirement: Yes/No.....
9. Area of Research:
10. Signature with Date:.....

SPONSORSHIP CERTIFICATE

It is certified that our institute is recognized by AICTE. The applicant is hereby sponsored and will be permitted to attend the above short term course, if selected

Date:

Signature and Seal

of the Sponsoring authority

(Photocopy additional copies of this form, if needed)

(scanned copy of registration form can also be sent by E-mail)

REGISTRATION

Teachers of AICTE recognized Engineering Institutions are eligible to apply for the course. Accommodation will be arranged on request of outstation participants on 'first come first serve' basis. The number of participants is limited to 30 for the Program. The interested candidates need to apply on the prescribed format by the due date through email only at:

nsat2019@gmail.com

ADDRESS FOR COMMUNICATION

COORDINATOR

Dr. Abhay Mishra
Prof., Applied Science Department
Mobile no. 9425338149

CO-COORDINATORS

Dr. Shourabh Bhattacharya
Asst. Prof., Applied Science Department
Mobile no. 7354775978

Dr. Prachi Sharma
Asst. Prof., Applied Science Department
Mobile no. 8882139505

**Department of Applied Science
M. I. T. S. Gwalior-474005**

Last date of receiving duly filled application form is 05th March 2019. The candidate will be informed of the selection in advance via email.

AICTE-QIP SPONSORED



**ONE-WEEK
SHORT TERM COURSE
ON**

NANO-SCIENCE AND TECHNOLOGY

**MARCH 14 - 18, 2019
ORGANIZED BY**

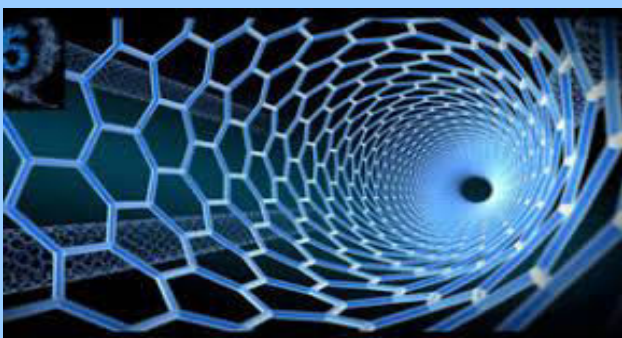
DEPARTMENT OF APPLIED SCIENCE



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE
(A GOVT. AIDED UGC AUTONOMOUS & NAAC ACCREDITED INSTITUTE,
ESTABLISHED IN 1957) GWALIOR, M.P. 474005

PREAMBLE

Being the foundation to any present or future technology, Micro and Nanotechnology offer exception to provide solutions to the various domains such as from healthcare to energy sector, covering a vast dimension. India, as a developing country has shown immense potential to develop a framework for innovative and collaborative work among the academicians, the researchers, the scientists and the engineers. Nanotechnology may be able to create many new materials and devices with a vast range of applications, such as in nanomedicine, nanoelectronics, biomaterials energy production, and consumer products. The aim of this course is to lay emphasis on the fundamentals of nanotechnology which have acclaimed tremendous attention of the scientists, engineers and researchers. Nano materials find their wide applications whether be it biomedical applications, fabrication of chips and ICs, growth of polymers or smart sensing devices. This STC is designed with a perspective to discuss the aforementioned themes and cover the value-chain of training from fundamentals to the applications of nano-science and nanotechnology.



COURSE CONTENT

The following topics will be covered in this STC:

- ✓ **Fundamentals of Nano-science & Technology**
- ✓ **Physical and Chemical Properties of Nano-Materials**
- ✓ **Synthesis and Growth of Nano-Materials**
- ✓ **Characterization Techniques.**
- ✓ **Industrial, Commercial and Scientific Applications of Nano-materials**
- ✓ **Nano Sensors and their Applications**

RESOURCE PERSONS

The Resource Persons for the Short Term Course will be Eminent Professors and experts from IITs, IIITs, NITs, and other esteemed institutions.

FINANCIAL ASSISTANCE

There will be no registration fee for the participants. Free boarding and lodging will be arranged in the Institute hostels/Guest house or Hotels. Reimbursement towards TA/DA will be made to participants attending the course. TA is limited to IIIAC (to and fro by via rail) by shortest route.

ABOUT MITS

Madhav Institute of Technology and Science (MITS), Gwalior was established by His Highness Late Sir Jiwaji Rao Scindia, Maharaja of Erstwhile State of Gwalior, with an aim to create world class quality engineers 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 Masters 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.

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