

(Online)
**Synthesis and Characterization
of Advanced Materials
(SCAM - 2020)**

02nd – 06th November, 2020

REGISTRATION FORM

Name: _____

Designation: _____

Name of Institution: _____

Qualification: _____

Contact Address and mobile no.:

Email ID: _____

Fees Detail:

DD No.: _____ Date: _____

Name of Bank: _____

Date: _____ Signature of Applicant

Online Registration Form link:-

<https://docs.google.com/forms/d/1v-byAcATPuRmwV81I2kH-nSzDHx03TvwJKXwWeWhFu/edit>

KEY NOTES:

- Online training on various characterization tools.
- STTP is open to faculty members of Chemical, MSME, Mechanical, Civil, Electrical and other branches of engineering and Science, industrial participants, research scholars and students.
- Registration form is also available on Institute website: *www.manit.ac.in*
- Registration form duly forwarded by Sponsored Authority along with demand draft of required amount in favour of “**Director, MANIT, Bhopal**” or submit online the registration fees. The fee detail should be reach to the STTP coordinator on or before 30th October, 2020.
- Seats are limited to 90 participants only.
- For any query please contact to STTP coordinators.

ORGANIZING COMMITTEE:

Patron: Dr. N. S. Raghuwanshi, Director

Chairperson:

Dr. N. P. Patidar, Professor, HOD Chemical Engg.

Dr. Sanjay Srivastava, Professor, HOD, MME

Coordinators:

Dr. Bharat Modhera, Assistant Professor

Dr. Rajeev Parmar, Assistant Professor

Dr. Mangesh Lodhe, Assistant Professor

**Online
Short Term Training Program
on
Synthesis and Characterization
of Advanced Materials
(SCAM - 2020)**

02nd – 06th November, 2020



**Organized By
Department of Chemical Engineering
and
Department of Materials &
Metallurgical Engineering**

**Maulana Azad
National Institute of Technology
Bhopal – 462003 (M. P.)**

INTRODUCTION:

The objective of this STTP is to impart basic knowledge of the advanced tools used for material characterisation to the research scholars, teachers and the scientists working in different fields in industries as well as research organizations. A number of online demonstrative experiments will be carried out to give the participants a feeling of the experimental details and instrumental facilities.

The fascinating and ever growing world of materials is very vast and the characterisation of such a wide variety of materials demands an interdisciplinary knowledge involving Engineering discipline such as Chemical, MSME, Mechanical, and science discipline such as chemistry, physics, biology. Different tools need to be used for the complete characterisation of such materials, which involve phase analysis, compositional characterisation, structural elucidation, micro-structural analysis, size of materials and surface characteristics. With the help of advanced characterisation tools, we can better predict the structure elucidation at atomistic level. Speakers will draw from MANIT, IITs, IISER, AIIMS and CSIRs laboratories.

STTP CONTENTS:

Each lecture will be followed by a highly interactive question-answer session. In addition to lectures, demonstrative experiments on X-ray Diffraction, Scanning Electron Microscope, Fourier transform infrared spectroscopy, UV- visible spectroscopy, AAS and other most useful characterisation tools will be highly beneficial for the participants.

REGISTRATION FEES*:

Participants	Amount Rs.
Industry	500.00
Faculty Members	500.00
Research Scholars	500.00
Under Graduate Students	500.00

- No fee from MANIT students.
- For online transition, Account name: Director MANIT, Account No. 10020150107, IFSC SBIN0001608.

ADDRESS FOR CORRESPONDANCE:

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ABOUT THE INSTITUTE:

Maulana Azad National Institute of Technology (MANIT), an Institution of National Importance, was formerly known as Maulana Azad College of Technology (MACT).

Institute is named after the great scholar and 1st Education Minister of Govt. of India, Maulana Abul Kalam Azad. The Govt. of India and Govt. of Madhya Pradesh jointly sponsored the Institute in 1960 to attract bright young engineering students across the country. Institute is successfully producing highest quality skilled manpower to cope up with challenges of modern technological advances with more than 200 faculties and 5500 students. The Institute offers 09 UG and 30 PG courses and also Ph.D. research programmes.

ABOUT BHOPAL:

Bhopal is the capital of Madhya Pradesh and is known as city of Lakes and Hills. It is well connected to all parts of the country by road, rail and air. MANIT is about 10 km from Bhopal city railway station. Weather in Bhopal is normally pleasant (20°C - 25°C) in November month.

ABOUT DEPARTMENT:

Department of Chemical Engineering and Materials & Metallurgical Engineering offers B. Tech. and M. Tech. Course. Both departments have well established laboratories at research and under graduate level.