

Skill Development Program on Advanced Electron Microscopy

(15th December to 17th December 2026)

Venue: CSIR-IMMT, Bhubaneswar

Brief Objectives / Scope:

The primary objective of the Workshop on Advanced Electron Microscopy is to strengthen participants' understanding and practical application of cutting-edge electron microscopy techniques, with a strong emphasis on hands-on experimental training.

Brief Course Content:

- Introduction to electron microscopy
- Introduction to Transmission Electron Microscopy (TEM)
- Course on amplitude contrast imaging: Bright Field (BF) and dark field (DF)
- Course on High-Resolution Imaging and Diffraction
- Course on TEM sample preparation methods.
- Course on data analysis software: Image J and Digital Micrograph
- Technical demonstration of TEM
- Hands-on experience on TEM sample preparation method and sample loading.

Expected Outcomes / Benefits:

Participants will engage in hands-on sessions, interactive discussions, and expert-led presentations, fostering an environment of collaboration and knowledge exchange. By the end of the workshop, attendees will be equipped with the skills and insights necessary to leverage advanced electron microscopy in their research and professional endeavours, ultimately contributing to the advancement of the field.

Registration fee:

B.Sc., M.Sc., B. Tech, M. Tech. Students/ Research scholars: 1000/-

Young researcher/ Scientist/ Faculty/ Postdoc: 2000/-

Industry Professional: 5000/-

Registration Link and QR code:

https://forms.gle/2NLBcc9RDjAosFrY7

Account Name: Industrial Research Fund Account for IMMT
A/C No. 30267734773,
IFSC Code: SBIN0007499

No. of Participants: 30

(First come First Serve basis)



Instructors:

Dr. Ashutosh Rath and Dr. Abinash Prusty, CSIR-IMMT

**Participation certificate will be provided after successful completion of the program*
**No TA DA and accommodation will be provided.*

Course Coordinator : Dr. Ashutosh Rath, Pr. Scientist
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