

Environmental SEM (ESEM)

Wednesday, May 6, 2026 (UG 17)

8:00-9:00 am	<i>Registration (UG 05, EMF, Basement (-1) Convergence Block)</i>
9:00-10:00 am	<i>Prof. Subhash Chandra Yadav, EMF, AIIMS, New Delhi</i> Lecture 1: Sample Preparation for SEM
10:00-11:30 am	<i>Mr. Madan Mohan Sharma, Mr. Pranav Raj , Mr. Chandra Shekhar, Mr Sandeep Singh</i> Hands On 1: Sample Preparation using CPD
11:30-11:45 am	Tea Break
11:45-1:00 pm	<i>Mr. Madan Mohan Sharma, Mr. Pranav Raj, Mr. Chandra Shekhar</i> Hands On 2: Sample Preparation (Sputter Coating)
1:00-2:00 pm	Lunch break
2:00-3:00 pm	<i>Prof. Subhash Chandra Yadav, EMF, AIIMS, New Delhi</i> Lecture 2: Introductory SEM and ESEM

Thursday, May 7, 2026 (UG 17)

8:00-9:30 am	<i>Prof. T.C Nag, EMF, AIIMS, New Delhi</i> Lecture 3: Elemental mapping in biological samples by ESEM
9:30-11:00 am	<i>Mr. Madan Mohan Sharma, Mr Sandeep Singh</i> Hands On 5: Low vac Imaging in ESEM
11:00-11.30 am	Tea Break
11:30-1:00 pm	<i>Mr. Madan Mohan Sharma, Mr Sandeep Singh</i> Hands On 5: EDS imaging
1:00-2:00 pm	Lunch Break
2:00-4:00 pm	<i>Prof. Asit Ranjan Mridha, AIIMS, New Delhi</i> Lecture 4: Biomedical application of SEM
4:00-5:00 pm	<i>Mr Sandeep Singh</i> Hands On 6: STEM imaging
5:00-7:00 pm	<i>Mr Sandeep Singh</i> Hands On 7: Image analysis
5.00-6.00 pm	Evaluations and Valedictory

Preconference Workshop