

Materials Science and Engineering Department, NIT Calicut

Scanning Electron Microscope (FESEM)

Photo of Instrument:



Instrument Name	Scanning Electron Microscope (FESEM)
Instrument Model & Serial No.	HITACHI, SU6600
Instrument Make	HITACHI
Category of Instrument	Characterization and Testing
Description of Instrument	Material characterization imaging and analysis
Instrument Technical Description and Major Specifications (This Specifications Limited to Major 5)	Resolution 1.7nm EDS Voltage 30KV
Application of Instrument (Limited to Major 4 or 5)	Imaging and Analysis
Type of Sample Required for Analysis / Testing (Quantity, Pre-Preparation, State etc.) Guidelines for Sample Submission – User Instructions	Solid Samples
Types of Analysis / Testing	SE Imaging & Spectroscopy

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Faculty In-Charge Name / Email / Contact	Dr. Soney Varghese soneyva@nitc.ac.in
Technical Staff Name / Email / Contact	Athiracc Athirac49@gmail.com
Location of Instrument	SEM Centre, Materials Science and Engineering department
Other Details	

User Charges:

S.NO.	Type of Analysis/Testing	Internal - within Department of NITC	Internal - Other Departments NITC	External Academic Educational Institutes	National Labs	Industry
1	SEM+EDS		200	200	200	1500
2	SEM		100	100	100	1000
3	EDS		100	100	100	1000
4	EDS Mapping		100	100	100	1000
5	Gold coating				200	250

Slot Booking and Payment Work Flow:

Contact the Faculty In-charge and Technical Staff through email