

Arts, Commerce & Science College, Kiran Nagar, Amravati

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Central Instrumentation Cell (CIC)

Instrumentation Facilities are available for M. Sc. Projects and Research Work
(such as M. Phil., Ph. D., MRPs and other Research Projects)

Instrument	Characterization Maintenance Charges	Purpose
FTIR	Rs. 200	For functional group analysis
UV Visible Spectrophotometer	Rs. 100	To study optical band gap of materials, R. I. of transparent materials, anti oxidant activity
Gas Chromatograph	Rs. 300	Identification of Chemical Constituents
Muffle Furnace Model No. MF-14P (up to 1500°C)	Depend on sample type	For Calcination purpose, to grow single crystals
KBr Press Machine	Rs. 50	To make KBr pellet for further characterizations like electrical conductivity, dielectric measurements, magnetic study, etc
Metallurgical Microscope VFM – 9100	Rs. 300	For the study of dipole orientation and to study dipole magnification
LCR Meter	Depend on sample type, heat treatments, etc	Dielectric constant, dielectric loss, impedance measurement, C-V characterizations, etc
Multi-parameter Water Testing Instrument	Rs. 50/characterization	pH measurement, total dissolve solid, dissolved oxygen, ionic conductivity measurement, etc
Laminar Air Flow	Rs. 300/bacteria	To study Antimicrobial activity

Note: All characterization (except Antimicrobial) will be delivered on the same day or within three days. Heat dependent characterizations may require its own time.

Contacts: Phone/Fax: 0721-2540793, e-mail: aubaipeyee@narsammaacsc.org, 8275307659

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