



# SUMMER INTERNSHIP PROGRAMME

Central Instrumentation Facility  
Birla Institute of Technology Mesra  
Ranchi, Jharkhand-835215

on

Application of Sophisticated Instrumentation & Analytical Techniques  
(29<sup>th</sup> May 2026 to 3<sup>rd</sup> July 2026)



This internship programme offers candidates a unique opportunity to explore and learn the use of various sophisticated analytical instruments and their applications for the characterization of materials. Under the mentorship of experienced professionals, the interns will be encouraged to deepen knowledge about instrument's operation, principles, data analysis, and result interpretation.

### Eligibility Criteria:

Undergraduate/Postgraduate/PhD (Pursuing/ Passed) in any field of science, engineering, technology or a related discipline. Laboratory staff, Technical staff, Scientist or Working professional in Institution/ Universities/ Research Organization/Industries.

### Important dates:

Last Date of Application: 15<sup>th</sup> April 2026  
Date of Selection List Declaration: 20<sup>th</sup> April 2026  
Late Date of Internship Fee Submission: 25<sup>th</sup> April 2026  
Internship Commencement Date: 29<sup>th</sup> May 2026  
Internship End Date: 3<sup>rd</sup> July 2026

Applicant can submit 3 separate applications, but he/she will be selected for one course only as per availability and eligibility.

A certificate of completion will be provided after the completion of the Internship.

No objection certificate should be provided by the employee/ Director / Manager / Principal / HOD (wherever applicable)

The Internship fee is non-refundable.

The course fee should be submitted electronically. Copy of the transaction details (fee), college/University ID card, and copy of Aadhaar should be submitted to the email id: [ashwini@bitmesra.ac.in](mailto:ashwini@bitmesra.ac.in).

Original copies and self-attested copies of documents shall be deposited at the time of joining the course. Accommodation will be provided in the BIT hostel at Rs. 500/- as seat rent for the entire internship and mess facility on a chargeable basis as per BIT rules

### Internship Fee:

Students: ₹6000 +18% GST

Sponsored Candidates: ₹ 10000+18% GST

### Different sections available for Summer Internship

	Section	Major Equipment	Section Coordinator
1	Spectroscopy & Thermal Analysis	FTIR , Spectrofluorophotometer, DLS, Master Sizer, TGA/ DTA, DSC, Thermal Conductivity Analyzer	Dr. Sudhir Kumar Saw Email: <a href="mailto:sudhirsaw@bitmesra.ac.in">sudhirsaw@bitmesra.ac.in</a>
2	Advanced Microscopy & Optical Contact Angle Analysis	FESEM-EDS, SEM, AFM, Microscope, OCA, DCAT	Dr. Ashwini Kumar Singh Email: <a href="mailto:ashwini@bitmesra.ac.in">ashwini@bitmesra.ac.in</a>
3	Chromatography Techniques	Flash Chromatography, HPTLC, Ana HPLC, GC, Prep HPLC, LC-MS, HPTLC MS Interface, IC, GCMS MS	Dr. Seikh Jiyaur Rahaman Email: <a href="mailto:sjarahaman@bitmesra.ac.in">sjarahaman@bitmesra.ac.in</a>
4	Mechanical, Rheological & X-ray Diffraction Techniques	Powder XRD, SC-XRD, UTM, Tribometer, Rheometer, BET Surface Area Analyzer	Dr. Narendra Yadav Email: <a href="mailto:yadavnarendra@bitmesra.ac.in">yadavnarendra@bitmesra.ac.in</a>
5	Water and Waste Water Analysis	ICP-MS, ICP-OES, ASV, Microwave, Ion Analyzer, Digestion, Colorimeter, COD Analyzer	Dr. Sanjaya Kumar Swain Email: <a href="mailto:skswain@bitmesra.ac.in">skswain@bitmesra.ac.in</a>

For participation:

Please submit the Google form by using the web link /QR code

<https://forms.gle/PBgd9CFbGEw4hVhk6>



Dr A K Singh (Coordinator) Scientific Officer, CIF <a href="mailto:ashwini@bitmesra.ac.in">ashwini@bitmesra.ac.in</a> (Mob:9771179279)		Dr S J Rahaman (Co-coordinator) Sr. Technical Superintendent, CIF <a href="mailto:sjarahaman@bitmesra.ac.in">sjarahaman@bitmesra.ac.in</a> (Mob:9430395893)
Dr S K Swain Research Officer, CIF <a href="mailto:skswain@bitmesra.ac.in">skswain@bitmesra.ac.in</a>	Dr S K Dhua Senior Research Advisor, CIF <a href="mailto:skdhua@bitmesra.ac.in">skdhua@bitmesra.ac.in</a>	Dr S Naskar Prof In charge, CIF <a href="mailto:ic.cif@bitmesra.ac.in">ic.cif@bitmesra.ac.in</a>