



INSTITUTE OF ADVANCED STUDY IN SCIENCE AND TECHNOLOGY
(An Autonomous Institute under Department of Science and Technology, Govt. of India)
Paschim Boragaon, Garchuk, Guwahati- 781035

Advertisement No. 513

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Advertisement for internship/ training & project dissertation at IASST, Guwahati

The Institute of Advanced Study in Science and Technology (IASST), Guwahati is an autonomous R&D Institute under the Department of Science and Technology, Govt. of India. The Institute is engaged in frontier areas of research in the specific domain of Physical, Chemical, Mathematical and Life Sciences. The Institute's aim is to contribute to basic sciences and develop technology using local resources through strong interdisciplinary research approach across different divisions. Institute is equipped with modern and sophisticated instrumentation including TEM, SEM, XRD, LCMS-MS, AFM, DNA Sequencer and computational facility for cutting edge scientific research.

The Institute invites applications against the available vacancies (2024-2025) for short-term winter internship/training (2 months) and project dissertation (6 months) in the following areas:

Subject area	Eligibility criteria
Nanoscience and Nanotechnology	Pursuing M.Sc /MS/B.Sc/BS in Physics/Chemistry/ Material Science/Nanoscience & technology or related subjects
Probiotics & Fermented foods	Pursuing MSC/BSc in Biotechnology/Microbiology
Condensed Matter Physics/ Materials Science	Pursuing M.Sc /MS/B.Sc/BS in Physics/Chemistry/ Material Science/Nanoscience & technology or related subjects
Expt. condensed matter physics/Materials Science/ Organic and polymeric films	Pursuing M.Sc /MS/B.Sc/BS in Physics/Chemistry/ Material Science/Nanoscience & technology/Polymer Science or related subjects
AI/ML	Pursuing Graduation or Master in Computer Science, IT, Electronics & Telecom. or Equivalent (like Enggr, Tech and BCA/MCA etc.)
Microbial bioactive metabolites against drug-resistant human pathogens and plant Microbe Interactions	Pursuing M.Sc./B.Sc. in Botany, Microbiology, Biotechnology
Photocatalysis, Sensors,	Pursuing M.Sc /B.Sc in chemistry

remediation Techniques	
Green Energy/Water Splitting/ Materials Science/Condensed Matter Physics/Nanoscience	M.Sc./B.Sc. in Physics/Chemistry/Materials Science/Nanoscience
Pharmacology and Drug Discovery	Pursuing B.Pharm./B.Tech./M.Pharm./M.S. (Pharm) /M.SC./M.TECH. Any branches of Life Sciences
Applied Mathematics, Hydrodynamics	Persuing Masters in Mathematics, Applied Mathematics, Mathematics and Computing, and allied areas.
Biophysics and Plasma applications in Biology	Persuing M.Sc./M.Tech in Physics/Biophysics/ Chemistry/Biochemistry/Biotechnology/Medical Devices
Plasma physics	Pursuing MSc in Physics or BTech/MTech in Electrical Eng
Infectious diseases, Quorum sensing, Bacterial biofilm, and Drug discovery against antimicrobial resistance	B.Sc. Microbiology/Biotechnology/any branch of Life Sciences M.Sc. Microbiology/Biotechnologyany branch of Life Sciences
Plant bacteriology and microbial genetics	Pursuing M.Sc /MS/B.Sc/BS in Life Sciences or related subjects
Ferroelectrics/Thin films/ Materials science/ Condensed matter Physics	MSc /MS/BSc/BS in Physics/Chemistry/ Material Science or related subjects
Dissipative self-assembly in supramolecular systems/ Nanozymes for environmental remediation/biosensing	Pursuing M.Sc in Chemistry/ B.Sc in Chemistry

Application Procedure: Interested candidate should apply online in the institute website (www.iasst.gov.in) **within 15 days** from the date of publication of the advertisement. Incomplete applications and those received after the closing date will not be entertained. Candidates should submit a No Objection Certificate from the parent institute during online application submission. Those who are unable to submit NOC during application process should upload a self declaration certificate. NOC submission is compulsory before joining the internship/ dissertation/training at IASST.

Selection Procedure: Selection will be based on the merit (based on last semester marks)/interview and selected candidates list will be uploaded in the IASST website. The decisions of the admission committee will be final and no correspondence will be entertained in this regard.

Internship/ dissertation/training fee:

1. Candidates selected for project dissertation will have to pay non-refundable fee of Rs. 2500 per month towards laboratory/chemical/equipment handling cost.
2. Candidates selected for short-term internship/ training will not be charged any fee.

Accommodation: Accommodation in institute Dormitory is subject to its availability during joining date. Preference will be given to students from outside Guwahati.

The internship/training programme will start from December 2024 and dissertation from January 2025.

IASST's Right: If suitable candidates are not found in any discipline, IASST reserves the right not to fill up its position for summer/winter session.

Registrar, IASST

