



NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH BHUBANESWAR

Advt. No: NISER / NSIP / 2026 / 001

Date: 25th February 2026

Notice for the NISER Summer Internship Programme (NSIP)

Online applications are invited from Indian students for the following program from the eligible students registered/enrolled in the UG/PG degree courses for the summer internship programme scheduled to commence from **16th May - 15th July 2026** in the following schools of NISER, Bhubaneswar.

1. **School of Biological Sciences (SBS)**
2. **School of Chemical Sciences (SCS)**
3. **School of Computer Sciences (SCoS)**
4. **School of Earth & Planetary Sciences (SEPS)**
5. **School of Humanities and Social Sciences (SHSS)**
6. **School of Mathematical Sciences (SMS)**
7. **School of Physical Sciences (SPS)**
8. **Centre for Medical and Radiation Physics (CMRP)**

1. Eligibility

School	Minimum Educational Qualifications
Biological Sciences	- Students should have registered/enrolled in the UG/PG degree courses with Biological Sciences/ Biotech as a major subject in the recognized Universities / Institutions.
Chemical Sciences	- Students should have registered/enrolled in the UG/PG degree courses with Chemical Sciences/ chemical engineering as a major subject in the recognized Universities / Institutions.
Computer Sciences	- Students should have registered/enrolled in the UG/PG degree courses with Computer Sciences/ computer engineering as a major subject in the recognized Universities / Institutions.
Earth & Planetary Sciences	- Students should have registered/enrolled in the UG/PG degree courses with Earth and Planetary Science/ Atmospheric Science/Space Science/Astronomy/Physical Sciences/B.Tech as a major subject in the recognized Universities / Institutions.
Humanities and Social Sciences	- Students should have registered/enrolled in the UG/PG degree courses with English/ Economics/ Psychology/ Sociology as one of the subjects as a major subject in the recognized Universities / Institutions.
Mathematical Sciences	- Students should have registered/enrolled in the UG/PG degree courses with Mathematical Sciences as a major subject in the recognized Universities / Institutions.
Physical Sciences	- Students should have registered/enrolled in the UG/PG degree courses with Physical Sciences/Materials science/ electrical/mechanical engineering as a major subject in the recognized Universities / Institutions.
Centre for Medical and Radiation Physics	- Students should have registered/enrolled in the UG/PG degree courses with radiation physics as a major subject in the recognized Universities / Institutions.

NISER offers a vibrant summer internship programme in which participants take up various state-of-art research projects under supervision of our faculties. This is a two months long programme conducted usually between the months of May to July. Apart from regular project work, participants also get an opportunity to participate in various activities organized by respective schools and centers, such as seminars on current research work in various fields, visit to different research facilities of NISER, night sky observation etc. On successful completion of the project, the intern shall be issued a “Project Completion Certificate,” which may be useful in enriching the academic credentials of the internship. Other details of the programme are given below:

1. The summer programme will be conducted during **May 16th to July 15th 2026**.
2. No extension for a longer stay will be considered in this programme.
3. Students who have availed this programme earlier in NISER will not be considered again.
4. Applications will be considered only for the PIs for whom vacancies/seats are advertised.
5. Applicants can contact the faculty directly, get their acceptance, and/or apply to NSIP only with a consent letter/e-mail received from faculties.
6. The selection of students will be done by the respective PI / Faculty.
7. A Limited number of selected interns who are not receiving any financial support / fellowship / internship grant from any agency / Academy / Central or State Government will be paid stipend @ ₹5,000/ per month & to and fro single travel support of Second Class Sleeper train fare after successful completion the programme.
8. No programme fee will be charged from the interns under this programme.
9. Hostel accommodation may be provided on a chargeable basis @ ₹30/- per day subject to availability.

2. How to apply

Interested students may apply for the above programme by filling out the Google application form and providing all the required information there. Details about the PIs and diverse research areas/activities of the respective school can be found in the link: <https://www.niser.ac.in/>. Applicants need to upload the scanned copy of the “Bonafide-Cum-No Objection Certificate” in the prescribed format (given in page 6) duly issued by a competent authority.

Apply Now: [Google Form](https://forms.gle/wzfrzEELzK4PEA5H6) (<https://forms.gle/wzfrzEELzK4PEA5H6>)



3. Important dates

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| • Online application portal will be activated on | – | 25th February 2026 |
| • Last date for filling up online application | – | 10th April 2026 |
| • Short-listed candidates list will be uploaded on NISER website (https://www.niser.ac.in) | – | 20th – 25th April 2025 |

* *Applications received after the last date & without “Bonafide-Cum-No Objection Certificate” in the given format will not be considered.*

* *Applicants may arrange reference letters from two referees, which should be sent directly by email to the programme coordinator of the respective schools on or before 10th April 2025.*

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|--|--|
| 1. School of Biological Sciences | : summerproject_sbs@niser.ac.in |
| 2. School of Chemical Sciences | : summerproject_scs@niser.ac.in |
| 3. School of Computer Sciences | : summerproject_scos@niser.ac.in |
| 4. School of Earth & Planetary Sciences | : summerproject_seps@niser.ac.in |
| 5. School of Humanities and Social Sciences | : summerproject_shss@niser.ac.in |
| 6. School of Mathematical Sciences | : summerproject_sms@niser.ac.in |
| 7. School of Physical Sciences | : summerproject_sps@niser.ac.in |
| 8. Centre for Medical and Radiation Physics (CMRP) | : summerproject_cmpr@niser.ac.in |

4. General Terms & Conditions:

Students in the above programme will be allowed, subject to the following conditions, for which they shall have to sign an undertaking at the time of joining the institute if selected.

- a) The data or any intellectual property generated from the summer Internship/short-term/long-term project work by the students shall entirely be owned by NISER with full rights of its use for academic & research purposes.
- b) The Summer Interns shall have no rights to the data generated during their project work at NISER. The use of the said data by them for any purpose, including authorship in publications, patents, or any other commercial, non-commercial, academic research without prior approval/consent of the competent authority of NISER, is completely prohibited. However, the data can only be used to prepare the project report/dissertation thesis under the supervision of the respective faculty guide/PI. Students may deposit a copy of the **stated project report** to their parent institution if required for academic purposes.
- c) The Summer Interns shall have to maintain strict confidentiality & utmost care while disclosing or dealing with the data/information pertaining to the Institute/school/lab/instrumentation etc.
- d) In the event of any infringement of the above conditions, appropriate disciplinary/legal action shall be taken by the authorities of NISER against the erring person.
- e) Students shall follow the instructions of their respective faculty PIs strictly & the concerned faculty PIs will be supervising & monitoring their activities inside the lab & campus.
- f) Students are expected to maintain proper discipline/decorum all times during their stay on campus. In the event of any misconduct, disciplinary action as deemed fit will be taken by the school authorities against the student.
- g) While availing the hostel accommodation, central library, or any other facility at NISER, students must abide by the relevant rules and deposit caution money if required.
- h) No NISER e-mail ID will be created for summer interns.
- i) Students will have to use their own laptops for the computational / coding work; however, departmental guest Wi-Fi login may be shared to access the internet only for project-related works. If any misuse of the internet facility is reported by the NISER-CC, then disciplinary action as deemed fit will be taken by the NISER authorities against the student.
- j) All students selected to join the NSIP programme may use the mess facility at the same cost applied to the NISER students with an advance payment of one month while joining.
- k) Hostel accommodation may be provided on a chargeable basis (₹30 per day), subject to availability.

5. Checklist for application submission

During online submission, you will need to have the following ready with you for uploading as a single combined PDF file;

- Passport-size photo.
- “Bonafide-Cum-No Objection Certificate” in the prescribed format as Annexure-I.
- Your previous semester's grade sheet.
- Your CV.

** PDF file of the recommendation letter should be sent directly to the program coordinator's email of the respective schools.*



Research areas currently pursued in different schools are as follows:

SCHOOL OF BIOLOGICAL SCIENCES

- **Dr. Abdur Rahaman:** Characterization of protein involved in Membrane trafficking and Nuclear remodeling.
- **Dr. Aniruddha Datta Roy:** Character evolution and trait-dependent diversification in squamates.
- **Dr. Asima Bhattacharyya:** Isolation and study of extracellular vesicles from cancer cells.
- **Prof. Chandan Goswami:** Cell biology of TRP ion channels.
- **Dr. Debasmita P. Alone:** Molecular genetics and epigenetics of aging disorders: Neurodegeneration and Cancer.
- **Dr. Rittik Deb:** Evolution of signalling behaviour in Ensiferans due to classical and novel selection pressure.
- **Dr. Harapriya Mohapatra:** Investigating antimicrobial resistance in Gram negative bacteria.
- **Dr. Manjusha Dixit:** Cloning and characterization of FRG1-interacting gene in breast cancer.
- **Dr. Pankaj V. Alone:** Understanding mechanism of eukaryotic translation initiation.
- **Dr. Subhasis Chattopadhyay:** Cell mediated immune regulation in inflammation and immune suppression.
- **Dr. Tridib Mahata:** Cloning of ORF047 from Basel-86 phage into the pBAD33.1 expression Vector.

For detailed information on research areas pursued in the school, please visit:

<https://www.niser.ac.in/people/fac/sbs>

SCHOOL OF CHEMICAL SCIENCES :

For detailed information on research areas, please visit <https://www.niser.ac.in/people/fac/scs>

SCHOOL OF COMPUTER SCIENCES :

Broadly in the following areas:

- Algorithm Design
- Machine Learning

For detailed information on research areas, please visit the webpage :

<https://www.niser.ac.in/people/fac/scos>

SCHOOL OF EARTH AND PLANETARY SCIENCES:

- Cosmochemistry and experimental planetary science (Dr. Rout's Group). Focused on diffusion processes in metals within iron meteorites using modelling and experiments (programming and mathematical approach).
- Planetary hyperspectral data processing and analysis, Reflectance spectroscopy and photometry using radiative transfer model (Dr. Thangjam's Group)
- Atmospheric physics and fluid dynamics, field meteorological observations, regional convective processes and climatology (Dr. Khanna's Group)
- Exoplanet Atmospheres & Interiors, Planet formation, Observational Astrophysics: JWST and ALMA observations (Dr. Majumdar's Group)
- Earthquake seismology and physics of earthquakes, laboratory friction experiments and inverse problems (Dr. Bhattacharya's group)
- Characterization of Exoplanet Atmospheres using modelling and Observations. Interpreting HST and JWST Observations. (Dr. Goyal's Group)
- Thermodynamic and kinetic modeling of high-T processes operating on early Earth to deduce the then tectonics conditions (Dr. Chowdhury's Group)
- Geochemical investigations of terrigenous sediments: insights into biotic and abiotic controls on weathering in the tropics (Dr. Nikitha Susan Saji's Group)

For detailed information about the school and the research areas pursued, please visit the webpage:

<https://www.niser.ac.in/people/fac/seps>

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES :

- **Economics:** Energy Economics, Environmental Economics, Public Economics
- **English:** All Areas in English Literature
- **Psychology:** Organizational Behaviour, Mental Health
- **Sociology:** Public Policy and Governance (Education/Health/Livelihood), Human-wildlife conflict, Society-Science Interface, Environment and Climate Change, Tourism System and Social aspects of tourism

For detailed information on research areas, please visit the webpage:

<https://www.niser.ac.in/shss/faculty>

SCHOOL OF MATHEMATICAL SCIENCES :

Algebra, Algebraic Geometry, Algebraic Graph Theory, Cryptography, Differential Equations, Differential Geometry, Discrete Mathematics, Functional Analysis, Harmonic Analysis, Incidence Geometry, Number Theory, Probability Theory, Representation Theory.

For more information, please visit the webpage: <https://www.niser.ac.in/sms/faculty>

SCHOOL OF PHYSICAL SCIENCES :

For detailed information on research areas, please visit the webpage

<https://www.niser.ac.in/people/fac/sps>

Applicants are encouraged to visit school web page for more information on research activities.

**Sd./
NSIP Coordinator**

FORMAT FOR BONAFIDE-CUM-NO OBJECTION CERTIFICATE

Should be issued on the official Letter Head of the Institution / University

No: _____

Date: __ __ / __ __ / 2026

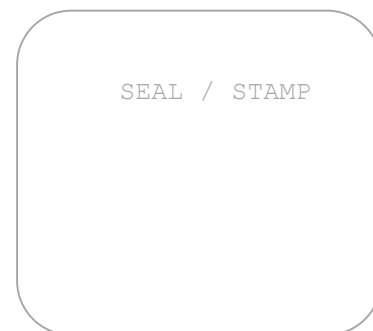
To,
The Director
NISER, Bhubaneswar

This is to certify that Ms./Mr. _____ name of the student _____ bearing Roll No. _____ is a bonafide student of _____ name of the institution / University _____ pursuing the course of _____ name of degree course _____. The Institute / University does not have any objection for him/her to do the Internship at School of Physical Sciences in the National Institute of Science Education & Research, Bhubaneswar during **May 16th to July 15th 2026**. I am forwarding / recommending his/her application for consideration.

Should be issued by the competent authority (Director / Dean / HOD / Registrar as the case may be
This document is subject to verification.

Signature:A rectangular box with rounded corners, intended for a handwritten signature.**Name:** _____

SEAL / STAMP

A large rectangular box with rounded corners, intended for a seal or stamp.

These lines should not appear in the bonafide certificate / NOC.