



राष्ट्रीय प्रौद्योगिकी संस्थान रायपुर
NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR
(Institute of National Importance)
G.E.Road, Raipur, C.G.- 492010, India.

Phone: +91771-2252700
Fax No.: +917712254600
Email: registrar@nitrr.ac.in
Website: www.nitrr.ac.in

No./NITRR/Dean(AA)/2024/3931

Raipur, dated: 26/03/2024

SUMMER INTERNSHIP OPPORTUNITIES FOR YEAR 2024

Applications are invited in e-mail for various summer internship positions at NIT Raipur for the year 2024.

Essential Qualifications:

Currently pursuing any Undergraduate or Postgraduate programme at a recognized Institute/University.

Duration:

Max period 16-May-2024 to 30-June-2024. The specific dates (start and end dates) of the internship will be provided to the selected student once they are selected.

Internship Fees:

- Upon selection a student needs to submit a non-refundable internship fee of Rs. 2000/- (for NIT Raipur students) and Rs. 5000/- (for external students belonging to other Institutes/Universities)
- No internship stipend shall be provided to the students.
- Internship fee needs to be paid by the shortlisted students at the time of reporting for internship at the Institute.

Selection Procedure:

Final shortlist shall be done by the concerned faculty/HoDs/DAC of the respective departments.

Accommodation:

Limited accommodation is available on a first-come-first-serve basis with nominal lodging charges at the Institute hostels. Mess facility shall not be available. Due to limited seats students are advised to arrange their own accommodation.

Internship Vacancy Details:

#	Department Name	Broad Area	No. of Internship Positions Available	Email IDs to send applications
1	Applied Geology	Application of Remote Sensing, GIS and Geophysical Techniques in Ground Water Investigation, Chandrayan Mission and Hyperspectral Remote Sensing, Mineralogy and Petrology	06	temprec.ag@nitrr.ac.in
2	Bio Medical Engg	Computational neuroscience, medical image processing, Cognitive Neuroscience, Microfluidics, Biomechanics, Tissue Engineering, Biomedical signal processing, Medical Device, AI/ ML in Healthcare, Orthopedic Biomechanics, Computational Biomechanics, Dental Biomechanics, FDM 3D Printing, Medical Instrumentation, Computational Biomechanics, Human Musculoskeletal Modelling, Rehabilitation Engineering Microfluidics, bio-Mems	24	temprec.bme@nitrr.ac.in



राष्ट्रीय प्रौद्योगिकी संस्थान रायपुर
NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR
(Institute of National Importance)
G.E.Road, Raipur, C.G.- 492010, India.

Phone: +91771-2252700
Fax No.: +917712254600
Email: registrar@nitrr.ac.in
Website: www.nitrr.ac.in

3	Chemical Engg	Process Intensification, food technology, CFD, Bionanocomposite, edible coating, biodegradable polymer, Nanotechnology, Electrochemistry, Surface Engineering, Membrane Separation, Biodegradation, Adsorption, Lignin Valorization, Synthesis of Value-added compounds & Flavoring agents through bioprocess, "Heterogeneous catalysis, Reaction engineering, Mixed metals and metal oxides catalysis, Photochemical Advanced oxidation process", Bio gas from solid waste, grease manufacturing	18	temprec.che@nitrr.ac.in
4	Chemistry	Inorganic Chemistry / Environmental Nano science, Synthesis and Characterization of Polymer Nano composite, Environmental Chemistry, Polymers as intelligent and smart material; Catalysis, Crystal Engineering and Hydrogen Bonding Interaction studies in metal-complexes and their bio-medical applications; Coordination Polymers and Metal-Organic Framework, Carbon dots, soft nanocomposite, biosensing, metal complexes, supramolecular chemistry	15	temprec.chy@nitrr.ac.in
5	Humanities & Social Sciences	American Literature; British Literature; Carl Jung; Art; Psychoanalysis, Indian Writing in English, Linguistics, Neurolinguistics & Cognitive Neurosciences, Psychoanalysis, American Literature, Gender Studies, Indian Mythology, Literary Theory & Criticism, Law & Gender Justice	09	temprec.hum@nitrr.ac.in
6	Electrical Engg	Artificial Intelligence and Machine Learning Application to Power System, Power Electronics, HVDC, Microgrid, Protection of FACTS Compensated Transmission Lines, Smart Grid, Power System Protection, AI based Load Forecasting, Medical Signal and Image processing, AI Applications in Power System, Bioinformatics, Brain Computer Interface, Speech Processing, Deep Learning, Control System, Machine learning, battery management System, Power Electronics, Electric Drives, PV inverters, Electric Vehicles, Battery Management and EV Drivetrain, Power electronics, grid connected photo-volatic inverter, electric drives, smart electrical and electronics devices, Active Distribution System, Hybrid Renewable Energy System, Energy Management, Micro Grid and Smart Grid	21	temprec.ee@nitrr.ac.in
7	Electronics & Comm Engg	Lightweight Cryptography, Watermarking, Image Processing, Computer Vision, Antenna Designing/Optimization using Machine Learning Algorithms for 5G & 6G applications, Optical Communication and THz Signal Processing, Semiconductor Devcie Wireless Communication, Solar cell device simulation, Emerging Semiconductor Devices, Semicoductor Devices and Circuits Wireless Communication, Devices and VLSI	36	temprec.ece@nitrr.ac.in



राष्ट्रीय प्रौद्योगिकी संस्थान रायपुर
NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR
(Institute of National Importance)
G.E.Road, Raipur, C.G.- 492010, India.

Phone: +91771-2252700
Fax No.: +917712254600
Email: registrar@nitrr.ac.in
Website: www.nitrr.ac.in

8	Mechanical Engg	Computational, multifield and Multiscale studies: applied to Solar cells, Li ion batteries, and composites. Numerical studies on Biomimic structures in the presence of cracks subjected to multiple fields. Machine learning studies, Artificial Intelligence and Machine Learning in Micro-Manufacturing Process and CNC Technology, Additive Manufacturing, AI and ML applications in ME, Composites, Finite element modeling and Optimization, "Composite Materials, Material Development, Functionally Graded Material, Dielectric Elastomers, Dielectric Elastomer Transducers (Actuators, Sensors and Generators) and Sensor and Actuator Design", Robotics, BioMechanics, Mechanism, Analytical and Experimental Vibration Analysis, Industrial engineering and finance	16	temprec.me@nitrr.ac.in
9	Computer Science & Engg	Machine Learning & Deep Learning, Cloud Computing, Fog & Edge Computing, IoT, Networks-on-Chip, Computer Architecture, Computer Vision, Artificial Intelligence, Brain-computer Interface and Computer Vision applications using Deep Learning Techniques, Digital Forensic Investigation of File System, IoT, Electric Vehicle and Metaverse, Deep Learning, Security, Blockchain, IOT, Network Security, Deep learning, Reinforcement learning, Robotics, Image processing, Software Engineering	21	temprec.cse@nitrr.ac.in
Total			166	

Procedure to Apply:

Student needs to first identify their broad internship area and then apply to the department's email id as mentioned in above table.

1. Fill the application form given in the next page and obtain the requisite signature.
2. Kindly ensure that your email contains only one attachment having the mentioned documents merged into a single pdf file and named as "Student's Name.pdf"
 - a) The filled and complete application form with attestation from HOD/Head of the Institute/University.
 - b) Colour copy of Aadhar card.

While submitting the email ensure that the subject line of the email is "Application for Summer Internship of <Student Name>"

Important Dates

- Start date of application: 27/03/2024
- Last date of application: 17/04/2024, 5 PM

Sd/-
Dean (Academic)
NIT Raipur



राष्ट्रीय प्रौद्योगिकी संस्थान रायपुर
NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR
(Institute of National Importance)
G.E.Road, Raipur, C.G.- 492010, India.

Phone: +91771-2252700
Fax No.: +917712254600
Email: registrar@nitrr.ac.in
Website: www.nitrr.ac.in

APPLICATION FOR SUMMER INTERNSHIP OF NIT RAIPUR
(to be filled in **BLOCK** letters)

NAME	
NAME OF COURSE/PROGRAMME (E.g., B.E -Mechanical or B.Sc.-Physics)	
YEAR OF STUDY	
NAME OF INSTITUTE	
NAME OF UNIVERISTY	
ADDRESS OF CORRESPONDANCE	
DURATION OF LEAVE FOR INTERNSHIP	
MOBILE NO.	
EMAIL ID	
DESCRIBE BRIFILY ON HOW ARE YOU FIT FOR THE INTERNSHIP YOU ARE APPLYING FOR	

- I understand there are limited accommodation seats. If none are available, I will make my own arrangements.
- I have obtained my parents/guardians consent for the NIT Raipur internship.

Signature of Student with Date

Signature of student's HoD/Head of Institute
or University

Seal of Institute/University