



राष्ट्रीय प्रौद्योगिकी संस्थान नागालैंड
NATIONAL INSTITUTE OF TECHNOLOGY NAGALAND
(An Institute of National Importance under Ministry of Education, Govt of India)
Chumukedima, Nagaland - 797 103

Advt. No. NIT-N/RECT-NT/2023/10-01

Date: 04/10/2023

INDICATIVE VACANCY NOTIFICATION FOR NON – TEACHING POST

National Institute of Technology Nagaland is one among 31 NITs established at Chumukedima, Nagaland by the Government of India by an Act of the Parliament offering UG, PG and Ph.D programs in Engineering / Technology and Sciences. The Institute invites applications from Indian Nationals possessing the requisite qualifications and experience as per the extant Recruitment Rules duly approved by the Ministry of Education, Government of India for appointment to the following Non-Teaching (Technical) post on direct recruitment / deputation basis.

Sl. No	Name of the Post	Discipline/ Trade/ Laboratory Trade	Pay Level and Entry pay as per 7 th CPC	Number of Post				
				UR	SC	ST	OBC	Total
1	Technician	Chemistry Laboratory	Level 3 (Rs.21,700/-)	1	-	-	-	1

Mode of Appointments: On Direct Recruitment / Deputation basis as per NIT Recruitment Rules.

The detailed advertisement along with other necessary information are given for information in the website <https://www.nitnagaland.ac.in>

Interested Persons should send their application in the prescribed proforma within 30 days from the date of the publication of this advertisement in the Employment News Paper, by Speed Post to:

The Registrar,
NATIONAL INSTITUTE OF TECHNOLOGY NAGALAND
Chumukedima, Dimapur
Nagaland - 797 103.

"Application for the post of Technician (Chemistry)", should be super-scribed on the envelope.

In case 30th day falls on a holiday / series of holidays, then the last date of receipt of application will be the next working day. This Institute is not responsible for any kind of postal delay.

LAST DATE OF RECEIPT OF APPLICATION IN THIS INSTITUTE IS THE 30th DAY FROM THE DATE OF PUBLICATION OF THIS ADVERTISEMENT IN EMPLOYMENT NEWS

REGISTRAR

DETAILS OF PAY, ESSENTIAL QUALIFICATIONS AND EXPERIENCE

GENERAL INFORMATION

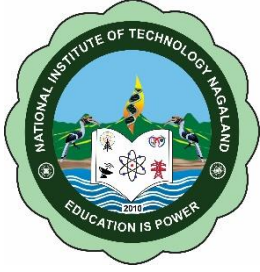
1. The application form must be submitted in the prescribed format as available in the Institute's Website. Application form and other details can be downloaded from the website www.nitnagaland.ac.in.
2. Application must be sent in the prescribed format only through speed post/registered post to “**The Registrar, National Institute of Technology Nagaland, Chumukedima, Nagaland-797103**”.
3. Internal candidates (Working in NIT Nagaland only) including contract/ outsourced staff can submit their application form in hand.
4. On the envelope please inscribe “Application for Recruitment for the post ofAdvt.No.....(please fill in name of post applied)”
5. Last date of receiving and submission of filled in application is **30 days from the date of publication of this advertisement in the Employment News** and application received thereafter on account of what so ever reasons may be; shall not be entertained and no correspondence in this regard shall be entertained. However, if the above said last date is happened to be a General Holiday for the NIT Nagaland and for the Departments/ Offices of the State Government of Nagaland and Central Government in the State of Nagaland; the next working day is deemed to be the last date for the receipt of the application till 17:30 Hrs. on that day.
6. Applications sent through e-mail will not be entertained. NIT Nagaland shall not be held responsible for any delay in receipt of the application forms from the candidates.
7. The last date of application shall be considered for fixing any kind of eligibility criteria.
8. The Application Form should be enclosed with prescribed application fee of Rs.500/- (Five Hundred Only) for General/ OBC category in the form of Demand Draft/ Indian Postal Order in favour of **IRG, NIT Nagaland payable at State Bank of India, Chumukedima Branch, Dimapur**. However, SC/ST/ DIVYANG (PH)) candidates are exempted from payment of the prescribed fees subject to submission of relevant certificate issued by the competent authority.
9. Internal candidates including contract / outsource are exempted from application fee. However, their application should be routed through proper channel well in time.
10. Government Rules and norms will be applicable for every post and category of the post. Candidates belonging to SC/ST/OBC/ DIVYANG (PH) categories should attach certificate from the competent authority. The category benefit will be given subject to candidate has claimed in the application form.
11. Mere fulfilment of the required qualifications and experience, does not entitle a candidate to be called for interview / selection. The Institute reserves the right to fix the criteria of shortlisting after scrutiny by duly constituted committee and their decision of the committee will be made applicable for mode of selection with the approval of the competent Authority.
12. For the advertised post, both “Written Test” as well as “skill test” shall be conducted for selection of the suitable candidates.
13. The syllabus and mode of the examinations are given in the Annexure – II
14. The list of screened - in candidates will be made available on the website. Only the screened - in candidates will be allowed for Test/Interview and those candidates shall be communicated through e-mail or SMS.
15. Candidates in Govt./Semi-Govt./ reputed private institutions should send their applications through proper channel. However, an advance copy shall reach NIT Nagaland before the last date. Further, such candidates are required to produce “No Objection Certificate” at the time of interview from their employers, failing which they may not be considered for **written test/** interview. It is the sole responsibility of the candidates to comply the above be it not communicated to the candidates while requisitioning them for attending the “Written Test for Screening” / Selection Process / Test / Interview.

16. Experience of working in IITs/NITs/CFTIs will be a desirable qualification.
17. One-Time Age relaxation shall be made applicable to the eligible departmental candidates including the employees working on outsourced basis in NIT Nagaland, in accordance with the communication of Ministry of Education, Government of India Ref. No. F.35- 5/2018-TS.III Dt. 20/2/2019.
18. Canvassing in any form will be a disqualification for the post.
19. Legal disputes, if any, with NIT Nagaland will be restricted within the jurisdiction of the Courts of Nagaland only.
20. TA/DA will not be paid for attending the interview.
21. The Institute reserves the right to defer or cancel the advertisement at any stage of processing without assigning any reasons, if required.
22. Self-attested copies of the following documents must be attached along with application:
 - a) Reservation category certificate (if reservation/ fee concession claimed). For OBC candidates, OBC Status and Non-Creamy Layer Status duly issued by the competent authority on or after 1st April 2023
 - b) Certificates and marks sheet/grade card of all degrees, 10th and 12th standard
 - c) Experience certificate
 - d) Certificates of all other additional qualifications claimed, if any
 - e) Age Proof (HSLC/HSC or equivalent certificate issued by competent authority)
23. Claims of educational qualifications, experience or any other technical qualifications must be supported by relevant self-attested certificates as well as mark sheets. Applications not supported by relevant documents shall be summarily rejected.
24. All Degree / diploma certificates should be from UGC recognized Universities/ Institutes which is the basic criteria for consideration.
25. Selected Candidates should be ready to join within the stipulated time.
26. Applications not submitted in prescribed format will not be considered.
27. It is desired that the applicants will provide correct information. If it is found, at a later date, that any information given in the application is incorrect / false or any information is suppressed, the candidature / appointment is liable to be cancelled / terminated without assigning any reason.
28. Notwithstanding anything contained in guideline recruitment rules, as communicated by Department of Higher Education, MHRD, Govt. of India vide letter No. F.35-5/2018 - TS.III, dated 4th April 2019 will be applicable. The candidates are advised to refer to all other related MHRD/ MoE notifications regarding, the Non-Teaching recruitment rules.
29. The RRs issued by MHRD is the guiding document and shall be relied upon for any case of discrepancies. In case of any change in the Recruitment Rules of Non-Faculty of NITs by MHRD in its Anomaly Report, the Institute may incorporate the changes during its recruitment process & notify the same on the Institute website.
30. Any addendum/corrigendum and related notifications will be published on the Institute website: www.nitnagaland.ac.in only. Applicants are advised to regularly check the Institute website for any update/notification.

Note:

Candidates belonging to OBC category shall also submit photocopy of non-creamy layer certificate of the year 2022-23 (i.e., the certificate issued on or after 1/4/2023) without which they will be considered only for OPEN category. The appointment under ST/SC/OBC quota is provisional and is subject to the community certificate being verified through the proper channels. If the verification reveals that the claim of the candidate belong to ST/SC/OBC is false, his/her services will be terminated forthwith without assigning any further reasons and without prejudice to such further action as may be taken under the provisions of Indian Penal Code for production of false certificates

REGISTRAR



राष्ट्रीय प्रौद्योगिकी संस्थान नागालैंड
NATIONAL INSTITUTE OF TECHNOLOGY NAGALAND
(An Institute of National Importance under Ministry of Education, Govt. of India)
Chumukedima, Nagaland - 797 103

Advt. No. NIT-N/RECT-NT/2023/10-01

Date: 04/10/2023

Annexure – I

DETAILS OF PAY, ESSENTIAL QUALIFICATIONS AND EXPERIENCE

Recruitment Rules (2019) for the post of TECHNICIAN

Sl.No.	Particular	Criteria
1.	Name of the Post	Technician
2.	Number of Post(s)	As per sanctioned strength.
3.	Classification	Group - C
4.	Scale of Pay (Grade Pay, Band Pay)	PB :1 (Rs.5,200 - 20,200/-) with Grade Pay of Rs.2000/-
5.	Whether Selection Post or non-Selection Posts	Not Applicable
6.	Age limit for direct recruits	27 years Note:- Relaxable for Departmental Candidates upto five years in accordance with the instructions or orders issued by the Central Government
7.	Educational and other qualifications required for direct recruits	Essential: Senior secondary (10+2) with Science from a Government recognized board with at least 60% marks Or Senior secondary (10+2) from a Government recognized board with at least 50% marks and ITI Course of one year or higher duration in appropriate trade. Or Secondary (10) with at least 60% marks and ITI Certificate of 2 years duration in appropriate trade. Or Diploma in Engineering of three year's duration in relevant field from a Government recognized Polytechnic / Institute.
8.	Whether age and educational qualifications prescribed for direct recruits will apply in the case of promotees	Age bar: Not applicable Educational Qualifications: No. However, must possess at least Senior Secondary with Science or Secondary and ITI certificate of 2 years duration in appropriate trade.
9.	Period of probation, if any	1 year for direct recruits as per NIT Statutes
10.	Method of Recruitment : whether by direct recruitment or by promotion or by deputation or transfer & percentage of the vacancies to be filled by various methods	i) 75% Direct recruitment ii) 25% by Promotion.

Sl.No.	Particular	Criteria
11.	In case of recruitment by promotion/deputation/absorption, grades from which promotion/ deputation/ absorption to be made	Promotion: Lab Attendant (SG-II) with at least 2 years regular service with Grade Pay of Rs.2000/- through DPC and working performance record (APAR), through prescribed test and interview.
12.	If DPC exists, what is its composition	As per provisions contained in the NITSER Act, 2007, First Statutes and the subsequent Statutes.
13.	Circumstances in which UPSC is to be consulted in making recruitment	Not Applicable

K. Raju



राष्ट्रीय प्रौद्योगिकी संस्थान नागालैंड
NATIONAL INSTITUTE OF TECHNOLOGY NAGALAND
(An Institute of National Importance under Ministry of Education, Govt. of India)
Chumukedima, Nagaland - 797 103

Advt. No. NIT-N/RECT-NT/2023/10-01

Date: 04/10/2022

Annexure – II

A. Syllabus for the Written Examination for the Post of Technician - Chemistry

i. Syllabus for the Theory Examinations (Written):

Unit – I (General Chemistry)

Fundamentals of atomic structure. Periodicity of the elements – shielding - effective nuclear charge - Slater's rule - atomic, covalent and van der Waals radii - ionization energy - electron affinity – electronegativity - Electronic and steric effects - Inductive effect – resonance – hyper-conjugation - steric effect, covalent and ionic bonding – Electrophiles and nucleophiles. Ionization of water - pK_w and pH - solubility product - common ion effect - Buffer solutions - standard solution – concept of normality, formality, molarity and molality.

Unit –II (Organic Chemistry)

Fundamentals of organic chemistry: Hydrocarbons, Alcohol, Phenol and Ether, Aldehydes, Ketones and Carboxylic Acid - Aromaticity and Hückel Rule - Concept of hybridization of organic compounds and shapes of molecules - Reactive intermediates: Carbocation, carbanion, free radical and benzyne, Friedel-Crafts alkylation/acylation, nitration, sulfonation, halogenation - Grignard reagents. Basics of stereochemistry of organic molecules, symmetry elements - molecular chirality - optical activity - optical purity - meso compounds - racemic mixture – resolution – enantiomers – diastereomers, basic concepts of stereo-chemical nomenclatures: threo/erythro, syn/anti, R/S, cis/trans and E/Z.

Unit – III (Physical Chemistry)

Laws and terms of Thermodynamics; State & path functions - concept of heat and work - internal energy, enthalpy, entropy, free energy, heat capacities & their applications. Electrochemistry: Conduction in electrolyte solutions-ionic mobility-dilution principle-transport number- electrochemical cells - EMF, Nernst equation - Primary & Secondary cells - Ionic equilibrium - Ion conductance - Measurement of conductance - cell constant. Specific conductance & molar conductance and their variation with dilution for strong and weak electrolytes - Kohlrausch's law of independent migration of ions - Equivalent and molar conductance at infinite dilution and their determination for strong and weak electrolytes - Ionic mobility.

Unit – IV (Inorganic Chemistry)

Structure and Bonding - bonding in homo-nuclear diatomic molecules (e.g.: H₂, N₂, O₂, F₂) VSEPR model, Concepts of Lattice energy and its application - s, p and d block elements, their properties (physical and chemical), compounds and reactions General Principle and Process of Isolation of Elements - Acid -Base concept: Arrhenius concept, Brønsted-Lowry acids and bases - Lewis acids and bases - Acid and base strength - Dissociation constant of weak acids and bases, Coordination chemistry: Werner's theory, classification of ligands, coordination number, nomenclature of coordination compounds, isomerism. Environmental Chemistry.

Unit-V (Chemistry in everyday life)

Importance of Chemistry in daily life - basis of classification of drugs and their function(s) in the body – Antipyretics – analgesics – antibiotics - tranquilizers – Chemotherapy and its applications - drug-target interaction of enzymes and receptors - antiseptics and disinfectants. Artificial sweetening agents - Food Preservatives and synthetic detergents.

REGISTRAR