



विश्वेश्वरय्या राष्ट्रीय प्रौद्योगिकी संस्थान, नागपुर VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR

(मानव संसाधन विकास मंत्रालय, भारत सरकार के अधीन एक स्वायत्त संस्थान)
(An autonomous Institute under the aegis of Ministry of HRD, Govt. of India)

दक्षिण अम्बाझरी रोड, नागपुर-440010, महाराष्ट्र, भारत / South Ambazari Road, Nagpur-440010, Maharashtra, India

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Advertisement No. VNIT/Faculty-Recruitment/01/2019

DETAILS RELATED TO FACULTY RECRUITMENT

- 1) Applications are invited from individuals for the positions at Professor, Associate Professor and Assistant Professor Levels in various departments of the Institute. The essential minimum academic qualifications is B.Tech/B.E./B.Arch/M.Sc./MA in relevant discipline along with PhD in Engineering/Technology/Science/Architecture/Humanities and shall have first class (at least 6.5 CGPA on a scale of 10 or equivalent or 60% aggregate) in the preceding degrees. Candidate having PhD degree directly after B.Tech are also eligible and they should have obtained First Class at Bachelor's Level. The following department wise preferred specialization are required :

Sr. No.	Department Name	Preferred Specialization at PG / PhD Level
1	Civil Engineering	Water Resources Engineering or Hydraulic Engineering / Construction Management / Environmental Engineering / Geotechnical Engineering / Transportation Engineering / Surveying
2	Mechanical Engineering	Thermal Engineering / Design Engineering / Manufacturing and Industrial Engineering
3	Mining Engineering	Mining Engineering / Rock Mechanics / Mine Planning & Design / Coal Mining / Metal Mining / Mine Environment / Safety / GIS & Remote Sensing / Mine Surveying / Mining Machinery / Mine Mechanization & Robotics / Geo technology / Excavation Engineering / Numerical Modeling / Mineral Economics / Slope Stability / Tunneling / Underground Space Technology / Opencast Mining.
4	Applied Mechanics	Structural Instrumentation / General Structural Engineering / Structural Dynamics
5	Chemical Engineering	Process Intensification / Separation Processes, Nano Science & Technology / Advanced Materials / Modeling / Simulation & Optimization / Ionic liquids / Biochemical and Bioprocess Engineering / Bioenergy / Biopesticides / Food Technology / Bioprocess technology / Supercritical Fluid Application / Computational Fluid Dynamics / Process Control / Reaction Engineering / Thermodynamics and Heat Transfer / Environmental Engineering / Pharma / Drug / Petrochemicals / Membrane Separation / Energy / Environment and Sustainability

6	Electronics & Communication Engineering	Communication Engineering and Antennas / Wireless Communication and Networks / Signal Image and Video Processing / Embedded System / Instrumentation, Biomedical
7	Electrical Engineering	Power System / Power Electronics / Electrical Machines / Control System
8	Computer Science and Engineering	Networking and distributed system / Design and implementation of programming language / Artificial intelligence / Machine learning and data analytics / Algorithms and combinatorial optimization / Theoretical Computer Science / Image and video processing, computer vision / Parallel systems and high performance computing / Information security / Software engineering
9	Metallurgical & Materials Engineering	Modeling and Simulation / Iron and Steel Making / Metal Working and Deformation Behaviour / Photo-voltaic materials / Phase Transformation / Semiconductor Material Technology / Creep, Fatigue and Fracture Mechanics / Welding and joining / High Temperature Materials / Nano materials and Nanotechnology / Grain Boundary Engineering / Advanced Processing of Materials Corrosion and Surface engineering / Polymers / Ceramics and Refractories / Casting and Solidification
10	Architecture & Planning	Architecture, Design and Planning
11	Physics	Quantum Mechanics / Theoretical Condensed matter / Materials Science
12	Chemistry	Theoretical Chemistry / Computational Chemistry / Physical Chemistry / Organic Chemistry / In-organic Chemistry / Analytical Chemistry
13	Mathematics	Analysis / Numerical Analysis / Theory of Computation / Linear Algebra / Theory of Differential Equations / Bio Mathematics / Fluid Dynamics / Computation Fluid Dynamics / Algebra / Financial Mathematics / Probability Theory & Statistics / Operations Research and other area of Applied Mathematics
14	Humanities	English / Economics / Sociology / Sanskrit
15	Centre for VLSI and Nanotechnology	Nano device modeling and simulations / VLSI design and testing / MEMS / Signal Processing / Photovoltaics

2) Prescribed Minimum Qualification(s) and Experience for Contract / Regular Faculty Positions as per Gazette Notification NIT (Amendment) Act 2017 for the faculty positions prescribed by the Ministry of HRD, Govt. of India, New Delhi vide their letter No.F.No.35-5/2017- TS.III dated 24th July, 2017 (Schedule-E) are as under :

Designation, Pay Band and Academic Grade Pay	Essential Qualification	Essential Requirements	Cumulative Essential Credit Points
ASSISTANT PROFESSOR (On contract) PB-3 with Grade Pay of Rs.6000/- in 6th CPC (Pay level – 10 in 7th CPC)	Ph.D.	NIL	NIL
ASSISTANT PROFESSOR (On contract) with Grade Pay of Rs.7000/- in 6th CPC (Pay level – 11 in 7th CPC)	Ph.D.	1 year post Ph.D. experience of Teaching and Research in Institution of repute /Industry	10
ASSISTANT PROFESSOR PB-3 with Grade Pay of Rs.8000/- in 6th CPC with a minimum Pay of Rs.30000/- (Pay level – 12 in 7th CPC)	Ph.D.	3 years after Ph.D. or 6 years total teaching and research experience in reputed academic Institute / R&D Labs / relevant Industry	20
ASSOCIATE PROFESSOR PB-4 with Grade Pay of Rs.9500/- in 6th CPC with a minimum Pay of Rs.42800/- (Pay level – 13A2 in 7th CPC)	Ph.D	6 years after Ph.D of which at least 3 years at the level of Assistant Professor with AGP Rs. 8000/- or 09 years total working experience, of which 3 years should be after Ph.D. with at least 3 years at the level of Assistant Professor with AGP Rs.8000/-	50
PROFESSOR PB-4 with Grade Pay of Rs.10500/- in 6th CPC, With minimum Pay of Rs.48000/- (Pay level – 14A in 7th CPC)	Ph.D	10 years experience after Ph.D. or 13 years total working experience, out of which 07 years should be after Ph.D. At least 03 years at the level of Associate professor with AGP of Rs.9500/- or 04 years at the level of Associate Professor with AGP of Rs.9000/- or combination of Rs.9000/- and Rs.9500/-, or equivalent in an Institution of repute / R&D lab or relevant industry.	80

Note : Implementation of Recruitment Rules for Faculty of NITs and IEST – issue of clarification as per recommendations of the Oversight Committee as per Ministry of HRD, Govt. of India, New Delhi vide their letter F.No.33-9/2011 – TS.III dated 16th April, 2019.

- 3) Credit Points System as per Gazette Notification NIT (Amendment) Act 2017 for the faculty positions prescribed by the Ministry of HRD, Govt. of India, New Delhi vide their letter No.F.No.35-5/2017- TS.III dated 24th July, 2017 is given below.

Sr. No.	Activity	Credit Points
1	One external Sponsored Research and Development Projects completed or ongoing or Patent granted	8 credit points per project or 8 credit points per patent as inventor (in case of more than one person in a project, the Principal Investigator gets 5 credit points and the rest to be divided equally among other members)
2	Consultancy projects	2 credit points @ Rs.5 lakhs of consultancy, subject to maximum of 10 Credit points
3	Ph.D. completed (including thesis submitted cases)	8 credit points per Ph.D. student (in case there are more than one supervisor, then the Guide (1 st Supervisor) gets 5 credit points per student and the rest to be divided equally among other supervisor(s)
4	Journal papers in Science Citation Index or Scopus (Paid Journals not allowed)	4 credit points per paper since the last promotion. First author or Main supervisor will get 2 credit points and rest will be divided among others.
5	Conference paper indexed in Science Citation Index or Scopus or Web of science Conference or any internationally renowned conference	1 credit point per paper up to a maximum of 10 credit points. First author or Main Supervisor will get 0.6 and rest will be divided among the rest.
6	Head of the Department, Dean, Chief Warden, Professor Incharge (Training and placement), Advisor (Estate), Chief Vigilance Officer, PI (Exam), TEQIP (Coordinator)	2 credit points per semester up to a max of 16 credit points since the last promotion.
7	Warden, Assistant warden, Associate Dean, Chairman or Convener of institute academic committees, Faculty In charge Computer Center or Information and Technology Services or Library or Admission or student activities and other Institutional activities.	1 credit point per semester up to a maximum of 8 credit points since the last promotion.
8	Chairman and Convener of different standing committees and special committees (Ex officio status will not be considered). Faculty incharges (Each for one year duration) of different Units or equivalent	0.5 credit points per Semesters up to a maximum of 3 credit points since the last promotion.
9	Departmental activities identified by Head of the Department like lab in charges, or department level committee for a minimum period of one year.	0.5 credit points per Semester up to a maximum of 3 credit points since the last promotion.

10	Workshop or Faculty Development program or short term courses of min 05 working days duration offered as coordinator or convener	2 credit points per course up to a maximum of 8 credit points since the last promotion.
11	For conducting national programs like Global Initiative of Academic Networks etc. as course coordinator Program of two weeks duration Program of one week duration	2 credit points per course up to a maximum of 4 credit points since the last promotion. 1 credit point per course up to a maximum of 2 credit points since the last promotion.
12	National or International conference organized as Chairman or Secretary	3 credit points per program up a maximum of 6 credits points since the last promotion.
13	Length of service over and above the relevant minimum teaching experience required for a given cadre	2 credit points per semester with maximum of 10 credit points since the last promotion.
14	Establishment of New Lab(s)	4 credit points since the last promotion.
15	Theory Teaching of over and above 6 credit hrs. course	1 credit point or credit hrs. up to a maximum of 6 credit points since the last promotion.
16	Post Graduate Dissertation guided	0.5 credit points per project to a maximum of 10 credit points since the last promotion.
17	Under Graduate Projects	0.25 credit points per project up to a maximum of 4 credit points since the last promotion.
18	Text or Reference Books published on relevant subjects from reputed international publishers	6 credit points per book up to a maximum of 18 credit points since the last promotion.
19	Text or Reference book published on relevant subjects from reputed national publishers or book chapters in the books published by reputed international publishers	2 credit points per unit up to a maximum of 6 credit points since the last promotion.
20	Significant outreach activities outside Institute	1 credit point per activity up to a maximum of 4 credit points since the last promotion.
21	Fellow IEEE, FNA, FNAE, FNASc	10 credit points
22	Placement percentage (only for the placement cell officers or faculty incharge of placement)	
	Above 85%	4 credit points per year upto a maximum of 20 credit points since the last promotion.
	75% - 84% (% to be based on total number of students passing out and single job offer)	2 credit points per year upto a maximum of 10 credit point since the last promotion.

GENERAL INSTRUCTIONS & INFORMATION

- 1) Candidates, who wish to apply for more than one post/cadre, need to apply separately for each post/cadre in the prescribed form along with all the supporting documents numbered serially. If candidate applies for more posts (department/cadre) in one application, his/her form will be summarily rejected.
- 2) The application form will not be supplied on postal request. The candidates are advised to download the same from our website. The duly completed application form along with the enclosures to be sent by speed/registered post to The Registrar, Visvesvaraya National Institute of Technology, South Ambazari Road, Nagpur-440010, Maharashtra, India. No soft copy through email will be accepted from candidate working in India.
- 3) No additional document(s)/certificate(s) will be accepted after submission of the application form.
- 4) Only applicants who are currently working abroad can submit a scanned copy of filled in application to e-mail: deanadm@vnit.ac.in; however they also need to send the hard copy by the courier, non receipt of the hard copy may result into non consideration of such application.
- 5) Institute reserves the right to limit the candidates to call for test / interview as per the requirement of the Institute.
- 6) ***To limit applicants to a reasonable numbers, the Institute has the right to set higher norms for scrutiny than minimum prescribed above. The areas of specialization and the post/level applied for will be taken into account while short listing, giving due consideration to the specific requirements of the individual departments. Hence different departments may have different short listing criteria which may vary for different posts within the same department. Priority of short listing shall be as under.***
 - i) ***Teaching Experience at IIT / NIT***
 - ii) ***All three degrees (UG / PG / PhD) from IIT or NIT or CFTI or reputed Institute abroad preferably with World QS ranking within 500.***
 - iii) ***Two degrees (UG / PG / PhD) from IIT or NIT or CFTI or reputed Institute abroad preferably with World QS ranking within 500.***
 - iv) ***UG Degree from IIT or NIT or CFTI or reputed Institute abroad preferably with World QS ranking within 500.***
 - v) ***PG Degree from IIT or NIT or CFTI or reputed Institute abroad preferably with World QS ranking within 500.***
 - vi) ***PhD from IIT or NIT or CFTI or reputed Institute abroad preferably with World QS ranking within 500.***
 - vii) ***Degrees from reputed Govt. Institution / Govt. University departments.***
- 7) Any applications which are not in prescribed form / without relevant supporting enclosures will be outrightly rejected. No correspondence shall be entertained in this regard.
- 8) Institute will not be responsible under any circumstances for any sort of postal delay/loss.
- 9) Persons serving in Govt. / Semi Govt. / PSUs / Universities / Educational Institutions should send their applications either THROUGH PROPER CHANNEL or should furnish a NO OBJECTION CERTIFICATE from the competent authority at the time of interview. They can, however, send advance copy of application form.

- 10) The shortlisted candidates will also be required to deliver a lecture in the department on core (UG) subject using black/white board in addition to the personal interview.
- 11) No TA/DA will be paid for attending the interview process.
- 12) For SC/ST/OBC (Non Creamy Layer) candidates, the application form should be with a copy of the relevant caste certificates and other statutory documents, if required. For OBC candidates, Non-Creamy Layer status of the preceding year (issued on or after 1st April 2019) from the competent authority empowered for the purpose, as a proof in support of the caste claim is required. No other certificate will be accepted as sufficient proof.
- 13) The persons with disability (PWD) shall be required to produce medical certificate in the prescribed form issued by the competent medical authorities for the purpose of employment. Persons suffering from not less than 40% of the disability in a,b,d & e category as per Department of Personnel & Training Office Memorandum No. 36035/02/2017-Estt(Res), dated 15th January 2018 shall only be eligible for the benefit of reservation, if any, and other relaxations as permissible under the rules.
- 14) As per Ministry of Social Justice and Empowerment Office Memorandum F.No. 20013/03/2018-BC-II, dated 17th January 2019 reservation of Economically Weaker Sections (EWSs) is 10% shall be eligible for the benefit of reservation, if any, and other relaxations as permissible under the rules.
- 15) Reservation policy for faculty positions at entry level will be applicable as per the directives of the Department of Higher & Technical Education, Ministry of the HRD, Government of India.
- 16) Experience more than six months in relevant regular position in any organization will only be considered in total experience.
- 17) Original documents and ID proof will have to be produced at the time of interview, else interview will not be conducted.
- 18) Non-refundable Demand Draft of Rs. 1000/- (Rupees One Thousand Only) in favour of DIRECTOR, VNIT NAGPUR for General & OBC candidates only. No application fee is payable by SC/ST/PWD/EWS candidates. Indian Nationals applying from abroad can pay their application fee in US \$25 per post (for all categories).
- 19) Application in the prescribed format completed in all respects along with self attested copies of relevant documents flagged neatly should reach to ***“The Registrar, Visvesvaraya National Institute of Technology, South Ambazari Road, Nagpur-440010, Maharashtra, India”***, on or before Friday, **9th August 2019 (5:00 pm) by post/hand**. The envelope containing the application be superscribed as **“APPLICATION FOR THE POST OFIN THE DEPARTMENT OF.....”**.
- 20) Selection committee may offer lower faculty position, than the post for which he / she has applied for.
- 21) Institute reserves the right to modify / defer or cancel the advertisement / recruitment at any stage of processing without assigning any reasons.
- 22) Direct appointment beyond the age of 60 years is discouraged, except in the case of faculty with exceptionally brilliant research career and with ongoing or approved externally funded research project.
- 23) The Institute shall retain complete applications for non-shortlisted candidates only for three months.
- 24) No correspondence whatsoever will be entertained from candidates regarding reason for not being called for interview/outcome of interview.

- 25) The candidate is responsible for the correctness and authenticity of the information provided in the application. If it is found at a later date that any information given in the application is incorrect/false, the candidature/appointment / service is liable to be cancelled/ terminated.
- 26) Candidate who has been arrested, prosecuted, kept under detention, or bound down/fined/convicted by a court of law for any offence or debarred/disqualified by any Public Service Commission from appearing at its Exam/Selections or debarred from taking any Exam/rusticated by any University or any other Educational authority/Institution or if any case pending against in any court of law, University or any other educational authority/Institution, should provide complete details in separate sheet.
- 27) The decision of the institute related to all matters pertaining to the recruitment shall be final and binding on the applicants.
- 28) Legal disputes, if any, with Visvesvaraya National Institute of Technology, Nagpur, will be restricted within the jurisdiction of Nagpur Bench of Bombay High Court only.
- 29) To avoid in-breeding, candidates who have obtained the Ph.D from the Institute will not be considered for recruitment, unless there is a three years of outside experience after leaving the Institute. However this is not applicable to candidates who are already members of the regular faculty and have obtained Ph.D from the Institute.
- 30) **The date for determining eligibility of candidates in every respect shall be 31st July, 2019.**
- 31) **No interview call letters/mail will be sent to individual candidate.** The list of short listed candidates will be displayed on the Institute website. Candidates are advised to visit the VNIT website www.vnit.ac.in regularly.

INCENTIVES FOR FACULTY MEMBERS :

In addition to normal pay and allowances as applicable to the Central Government Employees stationed at VNIT Nagpur, following additional incentives are also available for faculty members.

- a) Cumulative Professional Development Allowances (CPDA) of Rs. 3 lakhs for every block period of 3 years is made available to every faculty member on reimbursable basis to meet the expenses of participation in National / International Conference, payment of membership fee of Professional Societies and contingent expenses.
- b) Reimbursement of Children Education Allowances as per Central Government Rules.
- c) Reimbursement of Medical expenses including referral to outside specialized and reputed hospitals for OP/IP for self and dependent family members.
- d) Suitable residential accommodation in the campus, subject to availability.
- e) Leave Travel Concession as per Central Government Rules.
- f) The recruited faculty will be covered under New Pension Scheme (NPS).

REGISTRAR
