

**Advertisement No. VNIT/Faculty-Recruitment/2017/02**  
**Recruitment for Faculty Positions**

- 1) Applications are invited from individuals for the positions at Professor, Associate Professor and Assistant Professor Levels in various departments of the Institute in the following preferred specialization :

| Sr. No. | Department Name                         | Preferred Specialization at PG / PhD Level   |
|---------|---|--|
| 1       | Civil Engineering                       | Transportation Engineering / Construction Technology / Infrastructure Engineering / Hydraulics / Water Resource Engineering / Surveying / Geo-technical Engineering / Environmental Engineering  |
| 2       | Mechanical Engineering                  | Design Engineering / Thermal Engineering / Production Engineering and other related areas.   |
| 3       | Mining Engineering                      | Mining Engineering / Numerical Modeling in Rock Mechanics / Mine Surveying / Mine Environment / Blasting / Engineering Geology / Rock Blasting / Drilling Technology and Slope Stability   |
| 4       | Applied Mechanics                       | All the specialized areas related to Structural Engineering  |
| 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       | Mathematics                             | Mathematics / Applied Mathematics / Probability and statistics / Optimization Techniques   |
| 7       | Humanities                              | English (Communication Skills) / Sociology (Industrial Sociology) / Psychology / Economics (Econometrics/ Industrial Economics) / Logic / Philosophy /Political Science  |
| 8       | Electronics & Communication Engineering | Communication Engineering / Wireless communication and networks etc. / Digital Image /video, signal processing / Embedded systems/ application design  |
| 9       | Electrical Engineering                  | Power Systems / Power Electronics & Drives / Renewable Energy Systems / Control Systems / Electrical machines  |
| 10      | Computer Science and Engineering        | Artificial Intelligence and Intelligent Systems / Machine Learning and Data Analytics / Computer Networks / Parallel and Distributed Systems / Real Time Systems / Systems Biology and Bioinformatics / Programming Language design and software engineering / Computer Vision and Image Processing  |
| 11      | Metallurgical & Materials Engineering   | Simulation & Modeling / Alloy Developments / Materials Development & Characterization / Physical / Adoptive / Extractive Metallurgy, Polymers / Composites / Ceramic Materials, Corrosion / Tribology / Foundry & related areas.   |
| 12      | Architecture & Planning                 | Relevant specialization in Architecture & Planning   |
| 13      | Physics                                 | Theoretical physics, computational physics / material science  |
| 14      | Chemistry                               | Organic / inorganic / analytical / physical chemistry / computational chemistry and other elite specialization.  |
| 15      | Centre for VLSI and Nanotechnology      | Nano Electronics / MEMS and NEMS / Electronic Design, system Design / CAD for Nanoelectronic Design  |

Note : Faculty applicants with exceptionally brilliant research career having ongoing and approved external research project(s) in other specialization(s) not mentioned above, may also apply and may be considered by Scrutiny Committee with approval from Director.

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 24<sup>th</sup> July, 2017 (Schedule-E) are as under :

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

### 3) Credit Points System

The following shall be the credit point system:-

| 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 the 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 <sup>st</sup> Supervisor) gets 5 credit points per student and the rest to be divided equally among other supervisor         |
| 4       | Journal papers in Science Citation Index or Scopus (Paid Journals not allowed)  | 4 point per paper since the last promotion. First author or Main supervisor will get 2 point and rest will be divided among others.   |
| 5       | Conference paper indexed in Science Citation Index of Scopus or Web of science Conference or any internationally renowned conference  | 1 credit points 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), <b>Advisor (Estate)</b> , Chief Vigilance Officer, <b>PI (Exam)</b> , TEQIP (Coordinator)  | 2 points per semester up to a max of 16 credits points since the last promotion.  |
| 7       | Warden, Assistant wardens, Associate Dean, Chairman or Convener 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 credits points since the last promotion.   |
| 8       | Chairman and Convener of different standing committee and special committee (Ex officio status will not be considered). Faculty incharges (Each for one year duration) of different Units or equivalent   | 0.5 credit point per Semesters up to a maximum of 3 credits 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 point per Semesters up to a maximum of 3 credits points since the last promotion.  |

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|----|--|---|
| 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<br>Program of two weeks duration<br>Program of one week duration | 2 credit points per course up to a maximum of 4 credit points since the last promotion.<br><br>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 point per project to a maximum of 10 points since the last promotion.  |
| 17 | Under Graduate Projects  | 0.25 credit point per project up to a maximum of 4 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 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 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 points since the last promotion.  |
|    | 75% - 84%<br>(% to be based on total number of students passing out and single job offer)  | 2 credit points per year upto a maximum of 10 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. 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) Applicants who are currently working abroad can submit a scanned copy of filled in application to e-mail: [deanadm@vnit.ac.in](mailto: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) The date for determining eligibility of candidates in every respect shall be the closing date for receipt of application forms i.e. 1<sup>st</sup> January, 2018.
- 6) Institute reserves the right to limit the candidates to call for interview on case to case basis.
- 7) 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.
- 8) **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](http://www.vnit.ac.in) regularly.

- 9) Any applications which are not in prescribed form / without relevant supporting enclosures may be outrightly rejected. No correspondence shall be entertained in this regard.
- 10) Institute will not be responsible under any circumstances for any sort of postal delay/loss.
- 11) 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.
- 12) 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.
- 13) No TA/DA will be paid for attending the interview process.
- 14) 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 1<sup>st</sup> April 2017) 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.
- 15) 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 shall only be eligible for the benefit of reservation, if any, and other relaxations as permissible under the rules.
- 16) 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.
- 17) Experience more than six months in relevant regular position in any organization will only be considered in total experience.
- 18) Original documents and ID proof will have to be produced at the time of interview, else interview will not be conducted.
- 19) Application in the prescribed format completed in all respects along with self attested copies of relevant testimonials, certificates should reach to *“The Registrar, Visvesvaraya National Institute of Technology, South Ambazari Road, Nagpur-440010, Maharashtra, India”*, on or before 1<sup>st</sup> January, 2018 (5:00 pm). The envelope containing the application be superscribed as *“APPLICATION FOR THE POST OF .....IN 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) The candidates, who have applied earlier, in response to the previous Recruitment Notice No. VNIT/Faculty-Recruitment/2017/01 in the month of July 2017 need to apply a fresh as per new format. The old applications will not be considered.

- 23) 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.
- 24) The Institute shall retain complete applications for non-shortlisted candidates only for three months.
- 25) No correspondence whatsoever will be entertained from candidates regarding reason for not being called for interview/outcome of interview.
- 26) 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.
- 27) 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.
- 28) The decision of the institute related to all matters pertaining to the recruitment shall be final and binding on the applicants.
- 29) 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.

**REGISTRAR**

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