

# BIRLA INSTITUTE OF TECHNOLOGY

(Deemed to be University u/s 3 of UGC Act 1956)

MESRA, RANCHI 835 215, INDIA

## Recruitment of Faculty Members

Advt. No. ....GO/RECTT/2022-2023/Fac-1..

Dated: ...01<sup>st</sup> May, 2022

Birla Institute of Technology (BIT) Mesra invites applications from Indian Nationals, possessing excellent academic background, commitment to quality teaching and zeal for innovative research for the following faculty positions at Mesra and Lalpur in Ranchi and other external campuses at Deoghar, Jaipur, and Patna, and Noida.

**Important Note for all Applicants: The Number of Vacancies & Specializations indicated in the Table in the detailed advertisement is only applicable for External Candidates, who are not already employed in BIT Mesra. For any queries or clarifications kindly email us at [recruitment@bitmesra.ac.in](mailto:recruitment@bitmesra.ac.in)**

### Minimum Qualifications, Experience and Pay Scales

Serial Number	Name of the Post	Academic Level (AL) of UGC	Minimum Basic Pay in Rs	Qualification (degree and performance) and Professional Experience*
1.	Assistant Professor	AL 10, 11 or 12	57,700/- or 68,900/- or 79,800/-	First class or equivalent in undergraduate (UG) and postgraduate (PG) degree level and doctoral (Ph.D) degree ** in relevant subject/ domain.  At least 4 research publications in reputed, peer reviewed and indexed journals or proceedings (or Patent) Post-doctoral or teaching experience and research for 1-2 years is desirable.
2.	Associate Professor	AL 13A	1,31,400/-	i) First class or equivalent in UG and PG degree level and PhD degree. ii) A minimum of 8 years of post-PhD experience of teaching plus research at Assistant Professor or equivalent level in a reputed academic institution, R&D organization or industry. iii) A minimum of 8-12 research publications in reputed peer reviewed and indexed journals or proceedings and /or Patents. iv) Completion of at least two sponsored R&D or industrial consultancy projects and /or completion of a few technology development initiatives. v) For faculty members of Architecture, HMCT or Management disciplines, cumulative earning from at least two Training Activities/Consultancy /FDP/ EDP are expected. vi) Supervision of at least one PhD thesis in the last 5 – 8 years.

3.	Professor	AL 14	1,44,200/-	<p>i) First class or equivalent in UG and PG degree level and PhD in advertised discipline.</p> <p>ii) A minimum of 10 years of post-PhD experience of teaching, supervision and research in University/ National level Institutions of which at least 3 years shall be at the Associate Professor level.</p> <p><b>Besides above, it is desirable that the candidate (at any level) must possess very strong records of:</b></p> <p>iii) Contributions in terms of publications in referred and indexed journals with high impact and/or Patent (filed or sealed).</p> <p>iv) Guided at least three PhD students in the last 10-15 years.</p> <p>v) Completed a few sponsored R&amp;D Project and/or Industrial Consultancy and/or participated in a few major technology development initiatives.</p> <p>vi) For faculty members of Architecture, HMCT or Management disciplines, substantial earning from at least two Training Activities/ Consultancy /FDP /EDP are desirable.</p>
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\*Relaxation of norms, experience or allied attributes is possible at the discretion of the selection committee for exceptionally deserving candidates with proven track records.

\*\*Ph. D. Degree shall be in accordance with the University Grants Commission (Minimum Standards and Procedure for Award of M.Phil./Ph.D. Degree) Regulations, 2009 or 2016 and their amendments from time to time. For candidates registered in the Ph.D. program prior to July 11, 2009, the award of the Ph.D. degree shall fulfil the following conditions.

- a) Ph.D. degree of the candidate awarded in regular mode only.
- b) Evaluation of the Ph.D. thesis by at least two external examiners.
- c) An open Ph.D. viva voce of the candidate should have been conducted.
- d) Candidate should have published at least two research papers from his/her Ph.D. work out of which at least one must be in a refereed journal.
- e) Candidate should have made at least two presentations in conference/seminars, based on his/her Ph.D. work.

#### Additional Benefits:

Besides Basic Pay & Dearness Allowance (DA), other benefits such as Employees Provident Fund (12% on Basic + DA), Mediclaim Insurance, Research Grant and Travel Support to attend conference, shall be admissible as per Institute rules.

#### Selection Process:

Selection is designed in 3 stages.

Stage 1: Screening as per minimum eligibility criteria and norms

Stage II: Seminar presentation (On teaching and research) and peer review.

Stage III: Final Selection by Expert Committee ( the list recommended by the selection committee will have to be approved by the Board of Governors – BoG)

**Age:** Below 35 years for the post of Assistant Professor. The age will be calculated on the last date for receipt of applications i.e., **31.05.2022**. Relaxation of age would be admissible to SC/ST/PH candidates as per rules.

The application should be accompanied with a curriculum vitae containing:

- i) Detailed academic record since high school level (degree, institution, year, subject domain, grade/record, degree granting board/university).
- ii) Detailed professional employment records (organization, designation, salary (scale or consolidated), tenure (from-to), location, job profile and experience).
- iii) Publication record (author list, journals/proceedings, reference details, impact factor (as per Thompson Reutter), publisher (and list of filed or sealed patents , books, monographs design manual and handbook, if any).
- iv) Teaching record (institute, department, subjects taken, year (from-to), number of students, level, performance).
- v) Sponsored research funding record (title, funding agency, amount, year, outcome/status).
- vi) Technology development, teaching/study aid development, laboratory and research facility creation record.
- vii) Prizes, awards, recognition won at local, national and international levels.
- viii) National and International level professional engagements and contributions
- ix) Foreign visits for conference, post-doctoral and research fellowships (from-to), (country, year, designation, purpose, funding source or sponsored).
- x) Name, designation, address (contact details including phone number and email) of at least 3 referees from India or abroad, who will be willing to provide a detailed academic and professional appraisal on the candidate within 1-2 weeks.

**Last Date for submission of application complete in all respect : 10th June 2022.**

Candidates must clearly mention the Post, Level, Department, and Location (Mesra, Lalpur, Noida, Deogar, Patna, Jaipur) they are interested in (Note: Candidates Applying to multiple centres are required to pay separate application fee for each such application. However, one need not pay multiple application fees to apply for more than one post or department in the same centre of BIT) . The Institute Authority reserves the right to select a candidate for a different post, level, department or location other than that desired by the candidate if vacancy and other considerations demand so. Similarly, transfer from one campus to another at the time of recruitment or during the service at BIT Mesra is also a possibility and authority reserved by the Institute Administration as a part of service condition for faculty

members of BIT Mesra. Available vacancy positions, designation, essential qualifications and related specializations for various centres of BIT Mesra are listed in the following table.

Available Positions and Specializations in the **Mesra Campus** of BIT Mesra. Number of vacant posts is only indicative which will be filled only if suitable candidates with requisite qualification, experience and competence could be recommended by the selection committee to the Board of Governors (BoG) of BIT Mesra.

**Important Note for all Applicants: The number of Vacancies & Specializations indicated in the Table in the detailed advertisement is only applicable for External Candidates, who are not already employed in BIT Mesra. For any queries or clarifications kindly email us at [recruitment@bitmesra.ac.in](mailto:recruitment@bitmesra.ac.in)**

Sl. No.	Name of the Department	Designation	Essential Qualification	Specialization	Total Number of Vacancy
1.	Bioengineering & Biotechnology	Assistant Professor	BE/B.Tech; ME/M. Tech & Ph. D	Biochemical & Bioprocess Engg.	01
2.	Chemistry	Assistant Professor	M.Sc & Ph.D in chemistry	Organic Chemistry	02
3.	Civil & Environmental Engineering	Assistant Professor	B.E/B.Tech and M.E/M.Tech & PhD in Civil Engineering	Structural Engg. (02) Geotechnical Engg. (01)	03
4.	Computer Science & Engineering	Assistant Professor	B.E/B.Tech , M.E/M.Tech or equivalent & PhD	IOT, Cloud Computing AL & ML Computer Security Computer Systems	10
		Associate Professor	B.E/B.Tech , M.E/M.Tech & PhD		01
		Professor	B.E/B.Tech , M.E/M.Tech & PhD		01
5.	Chemical Engineering	Assistant Professor	BE/B.Tech; ME/M. Tech & Ph. D	Modelling (01) Bioprocess (01) Reaction Engineering (01)	03
6.	Electronics & Communication Engineering	Assistant Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Wireless communication (01) Signal Processing & Instrumentation (02)	03
7.	Electrical & Electronics Engineering	Assistant Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Power electronics & Electric Vehicles Technology	01
8.	Hotel Management and Catering Technology	Associate Professor	BHMCT, MSc in hospitality & Tourism Management/ MA in hospitality Industry & PhD. Desirable qualification: Minimum 10 years of industry	Hotel Mngt./Tourism Mngt.	01
		Professor		Hospitality Mngt.	01

			experience/foreign language experience		
9.	Management	Assistant Professor	MBA & PhD	Finance (01) Business Analytics (01)	02
10.	Mechanical Engineering	Assistant Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Robotics (01) Mechatronics/design (01) Mechanics (01)	03
		Associate Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Mechatronics (01)	01
		Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Design/ Robotics	01
11.	Mathematics	Assistant Professor	M.Sc/IMSc & PhD	Applied Statistics,Data Sci.,Computer Graphics, Object oriented programming,CFD, Financial Maths,Wavelet Theory & design, Numbers theory,Graph Theory,AI& ML, Software Engg., Cryptography	03
12.	Production & Industrial Engineering	Assistant Professor	B.E/B.Tech in Production/ M.Tech in Production Engineering and Ph.D	Robotics/Automation Mechatronics/Design/AM	01
13.	Physics	Assistant Professor	M.Sc/ 5 Yr Integrated M.Sc in physics & PhD	Particle Physics/Photonics	01
14.	Pharmaceutical Science & Technology	Assistant Professor	B.Pharm, M.Pharm & PhD	Pharmaceutical Chemistry Pharmaceutics Pharmacology Pharmacognosy Pharmaceutical Quality Assurance	04
15.	Remote Sensing	Assistant Professor	B.Sc/B.Tech in Engineering or allied Discipline; M.Sc./ M.Tech in Oceanography /Marine Science/ Earth System Science/Remote Sensing/ Geoinformatics/ Physics/Mathematics and Ph.D in web GIS	Web GIS	01
16.	Centre of Quantitative Economics and Data Science (CQEDS)	Assistant Professor	B.Sc, M.Sc, Ph.D	Maths (01) Economics (01) Statistics (01)	03
		Professor or Associate Professor		Data Sci./Quantitative Economics/Statistics	01
17.		Associate Professor	B.E/ B.Tech in Aerospace/	Rocket Propulsion/Aerodynamics	01

	Space Engineering & Rocketry	Professor	Chemical/ Mechanical Engineering; M.E/ M.Tech in Aerospace/Chemical/ Mechanical Engineering & PhD ( in aerodynamics/ rocket propulsion)	Rocket Propulsion	01
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Available Positions and Specializations at the **Patna** Extension Centre of BIT Mesra (Near Patna Airport, P.O. Bihar Veterinary College, Patna 800014)

Number of vacant posts is only indicative which will be filled only if suitable candidates with requisite qualification, experience and competence could be recommended by the selection committee to the Board of Governors (BoG) of BIT Mesra.

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Sl. No.	Name of the Department	Designation	Essential Qualification	Specialization	Total Number of Vacancy
1.	Civil & Environmental Engineering	Assistant Professor	B.E/B.Tech and M.E/M.Tech in Civil Engineering; & PhD	Geotechnical Engg (01) Transportation Engg (01)	02
		Associate Professor		Structural Engg	01
2.	Electronics & Communication Engineering	Assistant Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	VLSI (01) Microelectronics (01) Signal processing (01)	03
		Associate Professor / Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Wireless Communication/VLSI	01
3.	Electrical & Electronics Engineering	Assistant Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Power electronics/Control system/Power system	02
		Associate Professor/ Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Power electronics/Control system/Power system	01
4.	Mathematics	Assistant Professor	M.Sc/IMSc & PhD	Applied Mathematics	02
		Associate Professor	M.Sc/IMSc & PhD	Statistics/OR& BS	02
5.	Management	Assistant Professor	MBA & PhD	Operation Research Data/Business Analytics Quantitative Techniques	02
		Professor	MBA & PhD	Finance	01
6.	Computer Science & Engineering	Assistant Professor	B.E/B.Tech , M.E/M.Tech & PhD	Image Processing (01) Rest 7 from any background)	07

		Associate Professor	B.E/B.Tech , M.E/M.Tech & PhD	Artificial Intelligence & Machine learning, Cyber Security	01
7.	Architecture	Associate Professor	B.Arch, M.Arch/Planning & Ph.D	Energy efficiency/Building Science/Urban Design and allied areas	01

Available Positions and Specializations at the **Deoghar** Extension Centre of BIT Mesra (PO: Ratanpur, Jasidih, Dist. Deoghar 814 142, Jharkhand)

Number of vacant posts is only indicative which will be filled only if suitable candidates with requisite qualification, experience and competence could be recommended by the selection committee to the Board of Governors (BoG) of BIT Mesra.

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Sl. No.	Name of the Department	Designation	Essential Qualification	Specialization	Total Number of Vacancy
1.	Computer Science & Engineering	Associate Professor	B.E/B.Tech , M.E/M.Tech & PhD	Computer Science	01
2.	Mechanical Engineering	Assistant Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Thermal Design (01) Robotics or Mechatronics (01)	02
3.	Chemistry	Assistant Professor	M.Sc in chemistry & Ph.D	Physical Chemistry	01
4.	Management	Assistant Professor	MBA & PhD	HR (01) Finance (01)	02

Available Positions and Specializations at the **Jaipur** Extension Centre of BIT Mesra (27, Malviya Industrial Area, Jaipur 302017)

Number of vacant posts is only indicative which will be filled only if suitable candidates with requisite qualification, experience and competence could be recommended by the selection committee to the Board of Governors (BoG) of BIT Mesra.

Sl. No.	Name of the Department	Designation	Essential Qualification	Specialization	Total Number of Vacancy
1.	Electrical & Electronics Engineering	Assistant Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Power Electronics Drives/Power System	02

2.	Animation and Multimedia	Assistant Professor	B. Sc (Animation & Multimedia ) , M. Sc in Animation Design & PhD	Game design & development Animation 2D and 3D	01
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**Available Positions and Specializations at the Noida Extension Centre of BIT Mesra (A-7 Sector 1, Noida- 201301)**

Number of vacant posts is only indicative which will be filled only if suitable candidates with requisite qualification, experience and competence could be recommended by the selection committee to the Board of Governors (BoG) of BIT Mesra.

**Important Note for all Applicants: The number of Vacancies & Specializations indicated in the Table in the detailed advertisement is only applicable for External Candidates, who are not already employed in BIT Mesra. For any queries or clarifications kindly email us at [recruitment@bitmesra.ac.in](mailto:recruitment@bitmesra.ac.in)**

Sl. No.	Name of the Department	Designation	Essential Qualification	Specialization	Total Number of Vacancy
1.	Management	Assistant Professor	MBA & PhD	Accounting Mngt. & Finance (01) Production Mngt. Operation (01)	02

**Available Positions and Specializations at the Lalpur Extension Centre of BIT Lalpur (Lalpur (Ranchi City) Jharkhand 834001)**

Number of vacant posts is only indicative which will be filled only if suitable candidates with requisite qualification, experience and competence could be recommended by the selection committee to the Board of Governors (BoG) of BIT Mesra.

**Important Note for all Applicants: The number of Vacancies & Specializations indicated in the Table in the detailed advertisement is only applicable for External Candidates, who are not already employed in BIT Mesra. For any queries or clarifications kindly email us at [recruitment@bitmesra.ac.in](mailto:recruitment@bitmesra.ac.in)**

Sl. No.	Name of the Department	Designation	Essential Qualification	Specialization	Total Number of Vacancy
1.	Management	Assistant Professor	MBA & PhD	Human Resource Management, Business Analytics, Finance , Marketing, Business, Communication (English).	03



2.	Computer Science	Assistant Professor	MCA & Ph.D	Block Chain Technology, Cloud Computing, Artificial Intelligence & Machine Learning, Computer Graphics	05
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### Additional Information and Instruction:

1. Before applying, an applicant should read the complete advertisement carefully and ensure that he/she fulfils the minimum eligibility criteria of the post stated in the advertisement in all respects as on the last date for receipt of applications i.e., 31 May 2022.
2. Applicants who are in employment with Government, Semi-Government, Autonomous Bodies, Public Undertakings, University and Educational Institutions shall route their applications through proper channel.
3. The First Class at Bachelor's and Master's Degree (or an equivalent grade) shall be determined as per UGC seven-point scale wherever grading system is followed.
4. If Class or Division is not declared at the Bachelor's or Master's Degree levels, an aggregate of minimum 60% or equivalent Cumulative Grade Point Average (CGPA) is to be considered as equivalent to First Class.
5. In respect of CGPA awarded to the applicants on a Ten-Point Scale, the applicant should provide the Table of equivalence by the university concerned for determining the Class obtained as per (3) cited above.
6. The applicants who have been awarded a Ph. D. Degree must ensure that the awarded degree is in accordance with the University Grants Commission (Minimum Standards and Procedure for Award of Ph.D. Degree) Regulations, 2009 or 2016 and their amendment from time to time
7. Please upload current version of your Curriculum Vitae along with the online application form.
8. Separate confidential letters of recommendation are required to be sent by three referees, who are aware of academic and research credentials of the applicant. Applicant should request the referees to send the reference letters directly to the Dean (Faculty Affairs) by email to [hr@bitmesra.ac.in](mailto:hr@bitmesra.ac.in).
9. Applicants will be interviewed only after scrutiny of relevant documents. Eligibility of an applicant about qualification and experience shall be calculated/considered with reference to the last date of the receipt for application.
10. The Institute reserves the right to screen and call only such applicants as are found prima-facie suitable for being considered by the Screening Committee. Thus, merely fulfilling the prescribed conditions will not automatically entitle one to be called for interview.
11. The Institute reserves the right to rectify any discrepancy of this advertisement, if found later on. In case of any inadvertent mistake in the process of selection which may be detected at any stage even after the issue of letter of appointment, the Institute reserves the right to modify/withdraw/cancel any communication made to the candidate in this regard.
12. Any corrigendum/ addendum/errata in respect of the above advertisement shall be made available only at our Institute web site [www.bitmesra.ac.in](http://www.bitmesra.ac.in). No further press advertisement will be given. Hence prospective applicants are advised to visit B.I.T. Mesra web site regularly for above purpose.

13. The decision of BIT in all matters relating to eligibility, acceptance, rejection of the application, interview, verification of testimonials and selection will be final and binding on the applicants.
14. The applicant will be responsible for the correctness of the information provided in the application. If it is found later that any information given in the application is incorrect / false, the candidature/appointment is liable to be cancelled/terminated.
15. Interim correspondence will not be entertained or replied to. No correspondence whatsoever will be entertained from applicants regarding reason for not being called for interview/outcome of interview.
16. Canvassing in any form will result in disqualification.
17. Any dispute will be subject to adjudication by Courts/Tribunals having jurisdiction of Ranchi.
18. The Institute will not be responsible for non-receipt of application(s) within the stipulated date due to any postal delay / loss of application / document sent in transit.
19. BIT aspires to universality/regional diversity in all its admissions/recruitments.
20. The selection process involves three stages as explained earlier (screening, shortlisting through teaching & research seminars and final selection interview)

### **How to Apply:**

1. Applicants must fill and submit the prescribed application form available at our website [www.bitmesra.ac.in](http://www.bitmesra.ac.in). on or before 31 May 2022.
2. Application Fee shall be Rs. 1000/- for candidates belonging to SC/ST/PHs and Rs. 2000/- for candidates belonging to other categories.(SBI online payment portal : <https://www.onlinesbi.com/sbicollect/icollethome.htm?corpID=322526>)
3. Separate confidential letters of recommendation by three referees should be submitted by e-mail to [hr@bitmesra.ac.in](mailto:hr@bitmesra.ac.in)
4. Without submission of the documents mentioned above, the application shall not be considered.
5. Candidates Applying to multiple centres are required to pay separate application fee for each such application. However, one need not pay multiple application fees to apply for more than one post or department in the same centre of BIT

**Registrar, BIT Mesra**