BIRLA INSTITUTE OF TECHNOLOGY

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

MESRA, RANCHI 835 215, INDIA

Faculty Recruitment

Advt. No. GO/Rectt/2020-21/Fac-1 **Dated:** 23 December, 2020

BIT 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 satellite campuses at **Deoghar**, **Jaipur**, and **Patna.**

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 Experience*
1.	**Assistant Professor**	**10, 11 or 12**	**57,700/ or 68,900/ or 79,800/**	First class or equivalent in UG and PG degree level and PhD degree. At least 4 research publications in reputed, peer reviewed and indexed journals.
2.	**Associate Professor**	**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. iv) Completed at least two sponsored R&D or industrial consultancy projects. v) For faculty members of Architecture/ HMCT/ Management disciplines, cumulative earning from at least two Training Activities/Consultancy /FDP/ EDP are expected. vi) Supervision of at least one PhD student.

3.	**Professor**	**14**	**1,44,200/**	i) First class or equivalent in UG and PG degree level and PhD in advertised discipline. ii) A minimum of 10 years of post-PhD experience of teaching and research experience in University/ National level Institutions of which at least 3 years shall be as an Associate Professor. **Besides above, it is desirable that the candidate (at any level) must possess very strong records of:** iii) Contributions in terms of publications in referred and indexed journals with high impact. iv) Guided at least three PhD students. v) Completed a few sponsored R&D Project and/or Industrial Consultancy. vi) For faculty members of Architecture/ HMCT/ Management disciplines, substantial earning from at least two Training Activities/ Consultancy /FDP /EDP are desirable.

* Relaxation of norms, experience or allied attributes is possible at the discretion of the selection committee for exceptionally deserving candidates.

Besides Basic Pay & Dearness Allowance, other benefits such as Employees Provident Fund (12% on Basic + DA), Mediclaim Insurance etc. shall be admissible as per Institute rules.

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., **15.02.2021.** 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).

ii) Detailed professional employment records (organization, designation, salary, tenure(from-to), location, job profile).

iii) Publication record (author list, journals/proceedings, reference details, Impact factor (Thompson Reutter), publisher) including patents, design manual and handbook.

iv) Teaching record (institute, subjects taken, year (from-to), number of students, level, performance).

v) Sponsored research funding records (title, funding agency, amount, year, outcome/status).

vi) Technology development, teaching/study aid development.

vii) Prizes, awards, recognition

viii) National and International level professional engagements/contributions

ix) Foreign visits for conference, post-doctoral and research fellowships (country, year, purpose, funding).

x) Name, designation, address (contact details) of 3 referees from India/abroad.

**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 fulfill 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.

Last Date for submission of application complete in all respect 15 February 2021.

(For details kindly see next page)

Birla Institute of Technology
Mesra-835215, Ranchi

Available Positions and Specializations in different departments at Mesra Campus, Ranchi, Jharkhand

S. N	Name of the Department	Designation	Essential Qualification	Specialization	Number of Vacancy
1.	Department of Architecture	Assistant Professor	B.Arch, M.Plan;	Transportation Planning	01
			B.Arch, M.Arch	Sustainable Architecture	01
		Associate Professor	B.Arch, M.Plan. & PhD	Urban Design/Urban Planning/ Sustainable Development Infrastructure Development/ Housing Construction Management/ Building services/ Design	02
		Professor	B.Arch, M.Plan. & PhD	Urban Design/Urban Planning/ Sustainable Development Infrastructure Development/ Housing Construction Management /Building services/ Design.	01
2.	Department of Chemical Engineering	Assistant Professor	BE/B.Tech; ME/M. Tech & Ph. D	Modeling and Optimizations (01) Process Control (01); Catalysis and Reaction Engineering (01); Food and Bio-chemical Engineering (02); Energy and Biomass (01)	06
		Associate Professor	BE/B.Tech; ME/M.Tech & Ph.D	Fluid Mechanics/Multiphase Flow (01); Energy and Biomass (01)	02
		Professor	BE/B.Tech; ME/M.Tech & Ph.D	Open specialization	02
3.	Department of Civil & Environmental Engineering	Assistant Professor	B.E/B.Tech and M.E/M.Tech in Civil Engineering; & PhD	Structural Engineering, Water Resources Engineering.	02
		Associate Professor	B.E/B.Tech and M.E/M.Tech in Civil Engineering; & PhD	Structural Engineering (01), Environmental Engineering (01)	02
4.	Department of Computer Science & Engineering	Assistant Professor	B.E/B.Tech , M.E/M.Tech or equivalent & PhD	IOT, Cloud Computing, Pattern Recognition, Data Science, AI, Parallel Computing, Machine Leaning, computer organization and architecture, system programming.	14
		Associate Professor	B.E/B.Tech; M.E/M.Tech or	Artificial Intelligence / Data Science and Optimization /IOT/ Theoretical Computer Science /	4

			equivalent & PhD	Pattern Recognition/ Data Mining/ Cloud Computing / Parallel Computing	
		Professor	B.E/B.Tech; M.E/ M.Tech or equivalent & PhD	Parallel Computing /Data Science / Database Systems/ Data Communication /Computer Vision/ Deep Learning	4
5.	Department of Electrical & Electronics Engineering	Assistant Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Power Electronics (PE), Power System (PS), Control System (CS)	04
		Associate Professor /Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Power Electronics, Power Systems, Control Systems	01
6.	Department of Electronics & Communication Engineering	Assistant Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Any Specialization related to Electronics and Communication Engineering	05
		Associate Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Communication Engineering, Microwave Engineering, Wireless Communication Engineering, 5G Communication.	01
		Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Microelectronics, Semiconductor devices, Microelectronics devices and circuits, VLSI Design, Nanoelectronics, High Speed devices Technology and Computer Aided Design	01
7.	Department of 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 experience/foreign language	All core areas of hotel and tourism industry	03
8.	Department of Mechanical Engineering	Assistant Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Robotics/Mechatronics (02), Design (02), Thermal/ Automobile (02)	06
		Associate Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Thermal (01), Design (01), ET/CAAD (01)	03
		Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Design (01), Thermal/Robotics Engineering (01)	02
9.	Department of Pharmaceutical Science & Engineering	Assistant Professor	B.Pharm, M.Pharm & PhD	Pharmaceutics (02), Pharmaceutical Chemistry (02), Pharmacology (02), Pharmacognosy (01), Pharmaceutical Quality Assurance (01)	08

		Associate Professor	B.Pharm, M.Pharm & PhD	Pharmaceutics/Pharmacology/ Pharm. Quality Assurance	02
		Professor	B.Pharm, M.Pharm & PhD	Pharmaceutics/ Pharmaceutical Chemistry/ Pharm. Quality Assurance	02
10.	Department of Production Engineering	Assistant Professor	B.E/B.Tech in Production /Manufacturing/ Mechanical/ Industrial Engineering; and M.Tech in Production Engineering/ Metallurgy/ Industrial Engineering/ Manufacturing Tech/ Foundry/ Forging Engg./Automated manufacturing System/CAAD-CAM & PhD	Production Engineering/ Industrial Engineering/ Metallurgy/ Material Science/ Automation/CAAD-CAM/ Manufacturing Tech. (03)	03
		Associate Professor	B.E/B.Tech in Production /Manufacturing/Mechanical/ Industrial Engineering; and M.Tech/Production Engineering/Metallurgy/Industrial Engineering/ Manufacturing Tech/ Foundry/ Forging Engg./Automated manufacturing System/CAAD-CAM & PhD	Production Engineering/ Industrial Engineering/ manufacturing/ Automated manufacturing systems/ robotics/ data analytics/ micro-nano manufacturing.	01
		Professor	B.E/B.Tech in Production /Manufacturing/Mechanical/ Industrial Engineering; and M.Tech/Production Engineering/Metallurgy/Industrial Engineering/ Manufacturing Tech/Foundry /Forging Engg./ Automated manufacturing System/CAAD-CAM & PhD	Production Engineering/ Industrial Engineering/ manufacturing/ Automated manufacturing systems/ robotics/ data analytics/ micro-nano manufacturing.	03

11.	Department of Remote Sensing	Assistant Professor	B.Sc 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 Oceanography/ Marine Science with main thesis work on remote sensing and geoinformatics technology for Marine/ Ocean related applications/ Modelling. **or** Ph.D in Atmospheric science/ satellite meteorology/ with main thesis work on remote sensing and geoinformatics technology for Atmosphere related applications/ Modeling. **or** Ph.D in Computer Science/Remote Sensing/ Geoinformatics with thrust in web and distributed computing /web GIS/online data processing/ mobile GIS/open source Program/ web Services	Oceanography/Marine Science/ geoinformatics technology for Marine/ Ocean related applications/ Atmospheric science/ satellite meteorology/ Modeling / Computer Science/Remote Sensing/ web GIS/online data processing/ mobile GIS/open source Program/Webservices	03
		Associate Professor	B.Sc in Engineering or allied Discipline; M.Sc./ M.Tech in geology/ Oceanography /Marine Science/ Earth System Science/ Remote Sensing/ Geoinformatics/ Physics/Mathematics; and **PhD**.	Earth sciences	01
12.	Department of Space Engineering & Rocketry	Associate Professor	**B.E/ B.Tech** in Aerospace/ Chemical/ Mechanical Engineering; M.E/ M.Tech in Aerospace/Chemical/ Mechanical Engineering & PhD (in aerodynamics/ rocket propulsion)	Aerodynamics (01), Rocket Propulsion (01)	02

		Professor	**B.E/ B.Tech**, in Aerospace/ Chemical/ Mechanical Engineering; M.E/ M.Tech in Aerospace/ Chemical/ Mechanical Engineering & PhD (rocket propulsion)	Rocket Propulsion	01
13.	Department of Management	Assistant Professor	MBA & PhD	Business Analytics/Operation Management/ Business Communication	02
		Professor	MBA & PhD	Operations and supply chain	01
14.	Department of Chemistry	Assistant Professor	M.Sc in chemistry & Ph.D	Organic and allied	01
		Professor	M.Sc in chemistry & Ph.D	Organic and allied	01
15.	Department of Mathematics	Assistant Professor	M.Sc/IMSc & PhD	All Subject of Applied and Pure mathematics	16
		Associate Professor	M.Sc/IMSc & PhD	All Subject of Applied and Pure mathematics	07
		Professor	M.Sc/IMSc & PhD	All Subject of Applied and Pure mathematics	02
16.	Department of Physics	Assistant Professor	M.Sc/ 5 Yr Integrated M.Sc in physics & PhD	Electronics (02), Nuclear Particle Physics (01), Theoretical Physics (02), Condensed Matter Physics (01), optoelectronics/Photonics/ Laser Physics (01)	07
		Associate Professor	M.Sc in physics & PhD	Nuclear Particle Physics/ Theoretical Physics/ Condensed Matter Physics/ optoelectronics/ Photonics/Laser Physics	01
		Professor	M.Sc in physics & PhD	Nuclear Particle Physics/ Theoretical Physics/ Condensed Matter Physics/ optoelectronics/ Photonics/Laser Physics/plasma physics	01

Available Positions and Specializations in various departments at Patna Campus

(Near Patna Airport, P.O. Bihar Veterinary College, Patna 800014)

S.N	Name of the Department	Name of the Post	Essential Qualification	Specialization	Number of Vacancy
1.	Department of Architecture	Assistant Professor	B.Arch, M.Plan. / B.Arch, M.Arch.	Urban and Regional Planning Landscaping, Conservation.	**5**
		Associate Professor	B.Arch, M.Plan. & PhD/ B.Arch, M.Arch. & PhD	Urban and Regional Planning Landscaping, Conservation	**2**
		Professor	B.Arch, M.Plan. & PhD/ B.Arch, M.Arch. & PhD	Urban and Regional Planning Landscaping, Conservation	**1**
2.	Department of Civil & Environmental Engineering	Associate Professor	B.E/B.Tech and M.E/M.Tech in Civil Engineering; & PhD	Any specialization under civil engineering	**01**
3.	Department of Electronics and Communication Engineering	Assistant Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Wireless network, instrumentation	**4**
		Associate Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Wireless network, instrumentation	**4**
		Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Wireless network, instrumentation	**2**
4.	Department of Electrical and Electronics Engineering	Assistant Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Power Systems, Power Electronics, Control & Instrumentation	**3**
		Associate Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Power Systems, Power Electronics, Control & Instrumentation	**3**
		Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Power Systems, Power Electronics, Control & Instrumentation	**1**
	Department of Mechanical Engineering	Assistant Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Thermal Engineering , Design, Renewable Energy.	**1**
		Associate Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Thermal Engineering , Design, Renewable Energy	**3**

5.	Department of Production Engineering	Associate Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Any specialization	1
6.	Department of Computer Science and Engineering	Assistant Professor	B.E/ B.Tech, M.E/ M.Tech or equivalent & PhD	Parallel & Distributed Computing, Computer System Architect, High Performance Computing	7
		Associate Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Parallel & Distributed Computing, Computer System Architect, High Performance Computing	5
		Associate Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Parallel & Distributed Computing, Computer System Architect, High Performance Computing	3
7.	Department of Chemistry	Associate Professor	M.Sc & Ph.D	Physical Chemistry and Inorganic Chemistry	1
8.	Department of Mathematics	Associate Professor	M.Sc & Ph.D	Applied Mathematics/ Statistics	01
		Professor	M.Sc & Ph.D	Applied Mathematics/ Statistics	01
9.	Department of Management	Assistant Professor	MBA & PhD	Finance management	3
		Associate Professor	MBA & PhD	Finance management	1
		Associate Professor	MBA & PhD	Finance management	1

Available Positions and Specializations in various departments at Deoghar Campus

(PO: Ratanpur, Jasidih, Dist. Deoghar 814 142, Jharkhand)

S.N	Name of the Department	Name of the Post	Essential Qualification	Specialization	Number of Vacancy
1.	Department of Computer Science and Engineering	Associate Professor/ Professor	B.E/ B.Tech, M.E/ M.Tech or equivalent & PhD	Artificial Intelligence /Machine Learning/IoT/ Cryptography / Coding Theory.	**2**
2.	Department of Electronics and Communication Engineering	Associate Professor/ Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Any Specialization related to Electronics and Communication Engineering	**2**

3.	Department of Electrical and Electronics Engineering	Associate Professor/ Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Power Electronics / Control System	**2**
4.	Department of Mechanical Engineering	Assistant Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Thermal Engineering / Robotics	**1**
5.	Department of Management	Assistant Professor	MBA, PhD	Finance management	**01**

Available Positions and Specializations in various departments at Jaipur Campus

(27, Malviya Industrial Area, Jaipur 302017)

S.N	Name of the Department	Name of the Post	Essential Qualification	Specialization	Number of Vacancy
1.	Department of Electrical and Electronics Engineering	Professor/Associate Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Control Systems/Power systems	02
		Assistant Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Control System /Power System	1
2.	Department of Electronics and Communication Engineering	Associate Professor/ Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Any Specialization related to Electronics and Communication Engineering	02
		Assistant Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Preferably in Digital Signal Processing/ Digital Communication	1
3.	Department of Computer Science and Engineering	Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Artificial Intelligence /Machine Learning/IoT/ Cryptography / Coding Theory.	01
4.	Mechanical Engineering	Assistant Professor	B.E/ B.Tech, M.E/ M.Tech & PhD	Any specialization	1
5.	Department of Animation and Multimedia	Assistant Professor	B. Sc (Animation & Multimedia) , M. Sc in Animation Design & PhD	Game Design & Development, 3D/2D Digital Animation, Graphics, Visual Effects, etc	1

Information / Instruction:

1. Before applying, an applicant should read the complete advertisement carefully and ensure that he/she fulfills 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., **15 February 2021.**
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. The Application form in prescribed format must be accompanied with passport size photograph of applicant, self-attested copies of certificates, marks sheets, experience, research experience, publication(s) etc.
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 **dean.fasr@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.** 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.

How to Apply:

1. Applicants must fill and submit the prescribed application form available at our website www.bitmesra.ac.in. Applicants should ensure that, the application is duly signed by the applicant, and forwarded through proper channel along with the required DD and other credentials as mentioned in point 07 and 08 of the information /instruction and send in a sealed envelope by registered post/ speed post to the **Registrar, Birla Institute of Technology, Mesra, Ranchi – 835215** so as to reach him on or before **15 February 2021**. Kindly **superscribe** the envelope with the post applied for, the Department and own phone number.

2. The Non-refundable Demand draft, towards application fee, shall be drawn in favour of **"Birla Institute of Technology"** payable at Ranchi. The amount of DD shall be **Rs. 750**/- for candidates belonging to SC/ST/PHs and **Rs. 1500/-** for candidates belonging to other categories. Candidates are advised to write their name, own phone number and post applied for on the backside of the demand draft.(SBI online payment: https://www.onlinesbi.com/sbicollect/icollecthome.htm?corpID=322526)
3. **Separate confidential letters of recommendation by three referees should be submitted by e-mail to dean.fasr@bitmesra.ac.in**
4. Without submission of the documents mentioned above, the application shall not be considered.

Check-list of Documents to be submitted with along with the application.

1. Application duly signed by the applicant and forwarded through proper channel.
2. Self-attested Copies of all certificates, Mark sheets from SSC/HSC/Matriculation onwards.
3. Self-attested copies of any other relevant certificates /all testimonials.
4. Self-attested Copies of Caste Certificates for (SC/ST/OBC), certificates for Persons with Disabilities.
5. A No Objection Certificate from employer (if working in Government, Semi-Government, Autonomous Bodies, Public Undertakings, University and Educational Institutions), if the application is not forwarded through proper channel.
6. Original Demand Draft (separate Demand Draft for each post, if applied for more than one post) to be attached along with the application form.
7. In case payment is made online through SBI, the relevant document shall be attached.

   (SBI Online Payment link: https://www.onlinesbi.com/sbicollect/icollecthome.htm?corpID=322526)
8. **Separate confidential letters of recommendation by three referees should be submitted by e-mail to dean.fasr@bitmesra.ac.in**

Registrar, BIT Mesra