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/2019-20/FAC-2   Dated: 25-9-2019

Birla Institute of Technology is one of the premier institutes imparting education and conducting research in the fields of Engineering and Sciences. The Institute invites applications from Indian Nationals, possessing excellent academic background, commitment to quality teaching and outstanding research, for Faculty positions at Mesra, Ranchi and its Off-campuses at Deoghar, Jaipur, and Patna. The Institute intends to fill up the following posts:

S. N.	Name of the Post	Academic Level and Admissible Salary
1.	Assistant Professor	Academic Pay Level: 10, Basic Pay: Rs. 57,700 + DA
2.	Associate Professor	Academic Pay Level: 13A, Basic Pay: Rs. 1,31,400 + DA
3.	Professor	Academic Pay Level: 14, Basic Pay: Rs. 1,44,200 + DA
4.	Senior Professor	Academic Pay Level: 15, Basic Pay: Rs. 1,82,200 + DA
5.	B.M. Birla Distinguished Research Professor	Compensation details are provided elsewhere.

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

Note: *Candidate with higher academic and research credentials may be considered for higher pay. Particularly, candidate with 3 years of experience as Assistant Professor having a minimum of 5 publications in SCI/SCIE/SSCI/AHCI indexed journals, and obtained R&D grant of Rs 20.0 lakhs as Principal investigator (PI) from Government funding agencies, if found suitable, may be considered for a basic pay* **of Rs 70,900/** *in the Academic Level 10.*

Last Date for submission of application: 15-10-2019

Age: Preferably below 35 years for the post of Assistant Professor. **The age will be calculated on the last date for receipt of applications i.e. 15.10.2019.** Relaxation of age would be admissible to SC/ST/PH candidates as per rules.

Qualifications and Experience:

	Essential Qualifications and Experience for Different Faculty Positions are as Under
Assistant Professor	**Eligibility:** i). Ph.D*. in advertised discipline from an institution of high repute. ii). First class UG & PG degree in advertised discipline and a good academic record throughout. iii). At least 4 research publications in SCI/SCIE/SSCI/AHCI indexed journals. iv). *Potential for excellence* in teaching and research.
Associate Professor	**Eligibility:** i). PhD* in advertised discipline from an institution of high repute. ii). First class UG & PG degree in advertised discipline. iii). A minimum of eight years of experience of teaching plus research as Assistant Professor in a reputed academic institution. **After becoming Assistant Professor following minimum performance shall be required:** iv). A minimum of 12 publications in SCI/SCIE/SSCI/AHCI indexed journals. (a) Completed at least two sponsored R&D /industrial consultancy project of value Rs. 30 lakhs or more as PI. (b) For faculty members of Architecture/HMCT/Management, cumulative earning worth Rs. 10 lakhs or more from at least two Training Activities/Consultancy /FDP/EDP etc. may also be admissible. vi). Guided at least one PhD independently. vii). A total research score of eighty (**80**) as per the criteria given in Appendix I, Table 1. viii). Demonstrated excellence in teaching, research and sponsored R&D /industrial consultancy activities. **Note: Exceptionally qualified candidate(s) not fulfilling some criterion above may also apply. However, the decision of BIT shall be final.**
Professor	**Eligibility:** i). PhD* in advertised discipline from an institution of high repute. ii). First class UG & PG degree in advertised discipline. iii). A minimum of 10 years of experience of teaching and research experience in University/National level Institutions of which at least 3 years as an Associate Professor. iv). *Sustained and proven excellence* in teaching, research and sponsored R&D /industrial consultancy activities. **After becoming Associate Professor following minimum performance criteria shall apply:** v). A minimum of **90** Research Score as per Appendix I, Table 1 vi). A minimum of 6 publications in SCI/SCIE/SSCI/AHCI indexed journals with high impact as sole / corresponding author. vii). Guided at least one PhD students independently. viii). Completed at least one sponsored R&D Project/ Industrial Consultancy of value Rs. 20 lakhs or more as PI. ix). For faculty members of Architecture/ HMCT/Management, earning worth Rs. 5 lakhs or more from at least two Training Activities/ Consultancy /FDP /EDP etc. may also be admissible.

	x). Contribution to educational innovation, design of new curricula and courses, and technology mediated teaching learning process. **Note: Exceptionally qualified candidate(s) not fulfilling some criterion above may also apply. However, the decision of Birla Institute of Technology shall be final.** *Those who have superannuated from technology institutes of high repute, fulfil the requirements mentioned above and are below the age of 67 years may also apply for contractual **Visiting Professor** with consolidated honorarium of Rs 1,25,000/ PM.*
Senior Professor	**Eligibility:** i). An eminent scholar with sustained and proven excellence in teaching, research and sponsored R&D activities/ industrial consultancies. ii). Served a minimum of ten years as a Professor. iii). Guided at least 4 PhD independently after becoming professor. iv). A minimum of 20 publications in SCI/SCIE/SSCI/AHCI indexed journals after becoming Professor out of which at least ten research papers shall be published either as solitary author or coauthored only with their own current students (UG/PG/PhD/research associate in their own project). v). Obtained at least two sponsored R&D projects of total worth Rs. 30 lakhs independently after becoming Professor. vi). For faculty members of Architecture/HMCT/Management, earning worth Rs. 15 lakhs or more from at least two Training Activities/Consultancy /FDP/ EDP etc. may also be admissible. **Note: Exceptionally qualified candidate(s) not fulfilling some criterion above may also apply. However, the decision of Birla Institute of Technology shall be final.** *Those who have superannuated from technology institutes of high repute, fulfil the requirements mentioned above and are below the age of 67 years may also apply for contractual **Senior Visiting Professor** with consolidated honorarium of Rs 1,25,000/ PM.*
B.M. Birla Distinguished Research Professor	**Eligibility:** **Over and above the eligibility criteria applicable for Senior Professor as given above, the following additional performance requirements shall be applicable:** i). An eminent scholar with high quality publications in high impact journals, significant research contribution to the discipline and proven record of excellence in research supervision. ii). A minimum of five years of teaching/ research experience as HAG/Senior Professor or an equivalent grade in the IIT/IISc/University/other top 25 NIRF ranked institutes. iii). *Sustained and proven excellence* in teaching, research and demonstrated capability of attracting Sponsored R&D Projects / industrial consultancies as Principal Investigator. iv). Contribution to educational innovation, design of new curricula and courses, and technology mediated teaching learning process. v). Preference shall be given to FNAE, FNA, FNASc, FASc. vi). Selection shall be based on academic achievements, favorable review from three eminent subject experts who are not less than the rank of Senior Professor or a Professor of at least ten years' experience.

	Those who have superannuated from older IITs and are below the age of 67 are encouraged to apply. The appointment shall be initially for a period of one year and subsequently may be renewed till the age of 70. **Compensation of B.M. Birla Distinguished Research Professor:** (i) **For HAG /Senior Professors in Service**: The appointment shall be contractual in nature. Additional honorarium of Rs 1,00,000/ PM in addition to the basic Pay + DA shall be admissible. (ii) **Superannuated HAG /Senior Professors:** Consolidated salary of Rs 1,50,000/ PM. **Note:** A contingency support of Rs 1.0 lakh for academic activities shall also be admissible each year to B.M.Birla Distinguished Research Professor.

[*]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.

(a) to (e) as above are to be certified by the Registrar of the degree awarding institution.

Note : For Engineering Departments First class UG shall be BE/B.Tech, and PG shall be ME/M.Tech.

BIRLA INSTITUTE OF TECHNOLOGY
MESRA, RANCHI 835 215, INDIA

Available Positions and Specializations in various departments at   Mesra Campus

S. N	Name of the Department	Name of the Post	UG & PG Qualifications	Specialization	Number of Vacancy
1.	Department of Architecture	Associate Professor	B. Arch & M. Arch	Urban Design/ Urban Planning/Conservation/ Sustainable Architecture /Ekistics/ Urban Design for Smart Cities/Infrastructure Development/Housing.	1
2.	Department of Bio-Engineering	Associate Professor	BE/ B.Tech & ME/ M.Tech	Bioinformatics/ Biochemical engineering/ Bioprocess Engineering/ Bioimaging	1
3.	Department of Civil & Environmental Engineering	Assistant Professor	BE/B.Tech & ME/ M.Tech	Structural Engineering/ Transportation Engineering/ Water Resources Engineering.	3
4.	Department of Chemical Engineering	Assistant Professor	BE/BTech & ME/ MTech	Computational Fluid Dynamics/ Process control/ Process Modelling/Simulation and Molecular Dynamics/ Reaction Engineering/ Thermodynamics/ Food Agriculture Engineering/ Food Biochemical Engineering	2
		Associate Professor	BE/BTech & ME/ MTech	Advanced materials/ Modern Separation process/Multiphase Flow	1
5.	Department of Computer Science and Engineering	Assistant Professor	BE/ BTech & ME/ MTech	Artificial Intelligence/Machine Learning/Internet of Things (IoT) / Blockchain/ Quantum Computing/Data Sciences/ Cyber Security/Augmented Reality (AR)/ Virtual Reality (VR)	3
		Associate Professor	BE/ BTech & ME/ MTech	Artificial Intelligence /Internet of Things (IoT)/ Blockchain/ Quantum Computing /Data Sciences/Cyber Security/Augmented Reality (AR)/ Virtual Reality (VR)	2
		Professor	BE/ BTech & ME/ MTech	Big Data Analytics / Digital Image Processing and Cyber Forensics / Cloud Computing/ Cloud Storage Systems/ Artificial Intelligence/Machine Learning.	2

		Senior Professor	BE/ BTech & ME/ MTech	Big Data Analytics / Digital Image processing and Cyber Forensics / Cloud computing/ Cloud Storage Systems.	1
		B.M. Birla Distinguished Research Professor	BE/ BTech & ME/ MTech	Artificial Intelligence / Machine Learning/ Data Science/Networking/ Internet of Things/ Wireless Sensor Network, Cloud Computing.	1
6.	Department of Electronics and Communication Engineering	Associate Professor	BE/ BTech & ME/ MTech	Microwave Electronics/ VLSI Design	1
		Professor	BE/ BTech & ME/ MTech	Wireless Communications/ Communication Systems/ Communication Engineering	1
		Senior Professor	BE/ BTech & ME/ MTech	Antenna Design/ Testing and Characterization/ Signal Processing/ Adaptive Signal Processing / Information Theory, Networks/ Communications, Distributed Computation, Cyber-Physical Systems.	1
7.	Department of Electrical and Electronics Engineering	Assistant Professor	BE/ BTech & ME/ MTech	Control system/ Power System/ Power Electronics	1
		Associate Professor	BE/ BTech & ME/ MTech	Control system/ Power System/ Power Electronics	1
		Professor	BE/ BTech & ME/ MTech	Control system/ Power System/ Power Electronics	1
8.	Department of Mechanical Engineering	Assistant Professor	BE/ BTech & ME/ MTech	Heat Power Engineering/ Design of Mechanical Equipment/ Robotics/Mechatronics/ 3D Printing & Design	1
		Professor	BE/ BTech & ME/ MTech	Heat Power Engineering/ Design of Mechanical Equipment/Computer Aided Analysis & Design/Energy Technology	1
9.	Department of Space Engineering and Rocketry	Assistant Professor/ Associate Professor	BE/ BTech & ME/ MTech	Aerodynamics/ Rocket Propulsion	1
10.	Department of Remote Sensing	Assistant Professor	B.Sc/B.E/B/Tech & M.Sc/ M.Tech in Oceanography/ Marine Science/ Earth System Science/ Remote Sensing/ Geoinformatics	Oceanography/Atmospheric Sciences/ Mobile GIS Climate change/ Environment	1
11.	Pharmaceutical Sciences and Engineering	Assistant Professor	B.Pharm & M.Pharm	Pharmaceutics/ Pharmaceutical Chemistry/ Pharmaceutical Analysis/ Pharmacology/ Pharmacognosy	1

12.	Department of Chemistry	Associate Professor	B.Sc & M.Sc or IMSc	Physical/inorganic/ organic	2
13.	Department of Mathematics	Assistant Professor	B.Sc & M.Sc or IMSc	All specializations	3
14.	Department of Physics	Assistant Professor	B.Sc & M.Sc or IMSc	Nulear Physics/Particle Physics/ Theoretical Plasma Physics	1
		Professor	B.Sc & M.Sc or IMSc	Nulear Physics/Particle Physics/ Theoretical Plasma Physics/condensed matter physics	1

BIRLA INSTITUTE OF TECHNOLOGY MESRA, RANCHI
Patna Campus: Near Patna Airport, P.O. Bihar Veterinary College, Patna 800014

S.N	Name of the Department	Name of the Post	Specialization	Number of Vacancy
1.	Department of Civil & Environmental Engineering	Associate Professor	Structural Engineering	1
2.	Department of Electronics and Communication Engineering	Professor	Wireless Communication/ Fiber Optics, Instrumentation	1
3.	Department of Electrical and Electronics Engineering	Professor	Power Electronics & Drives or Power System.	1
4.	Department of Mechanical Engineering	Associate Professor	Design and Mechanics/ Robotics	1
5.	Department of Production Engineering	Associate Professor	Computer Aided Design and Manufacturing /Automation and Robotics/ Flexible Manufacturing Systems.	1
6.	Department of Computer Science and Engineering	Professor	Machine Learning/ Parallel processing/Artificial Intelligence/ cloud computing/data mining & data analytics.	1
7.	Department of Chemistry	Associate Professor	Physical Chemistry	1

BIRLA INSTITUTE OF TECHNOLOGY MESRA, RANCHI
Deoghar Campus: PO: Ratanpur, Jasidih, Dist. Deoghar 815 142, Jharkhand

S.N	Name of the Department	Name of the Post	Specialization	Number of Vacancy
1.	Department of Computer Science and Engineering	Professor	Artificial Intelligence /Machine Learning/IoT/ Cryptography / Coding Theory.	**1**
2.	Department of Electronics and Communication Engineering	Professor	VLSI	**1**
3.	Department of Electrical and Electronics Engineering	Professor	Power Electronics / Control System	**1**
4.	Department of Mechanical Engineering	Associate Professor	Thermal Engineering / Robotics	**1**

BIRLA INSTITUTE OF TECHNOLOGY MESRA, RANCHI
Jaipur Campus: 27, Malviya Industrial Area, Jaipur 302017

S.N	Name of the Department	Name of the Post	Specialization	Number of Vacancy
1.	Department of Electrical and Electronics Engineering	Professor	Control Systems/Power systems	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 October **2019.**

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. Applicants are required to submit **Research Score (RS)** in the prescribed proforma (Table- 1).

8. 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.

9. 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.**

10. Applicants will be interviewed only after scrutiny of relevant documents. Eligibility of an applicant with regard to qualification and experience shall be calculated/ considered with reference to the last date of the receipt for application.

11. 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.

12. 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.

13. 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.

14. 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.

15. The applicant will be responsible for the correctness 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 is liable to be cancelled/ terminated.

16. 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.

17. Canvassing in any form will result in disqualification.

18. Any dispute will be subject to adjudication by Courts/Tribunals having jurisdiction of Ranchi.

19. 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.

20. BIT aspires to universality/regional diversity in all its admissions/recruitments.

How to Apply:

1. Applicants have to fill and submit the 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 October 2019**. Kindly **super scribe** 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.

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 (by hand or by post) 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 / testimonials to substantiate **Research Score (RS)** score claimed.

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. **Separate confidential letters of recommendation by three referees should be submitted by e-mail to dean.fasr@bitmesra.ac.in.**

Registrar, BIT Mesra