BIRLA INSTITUTE OF TECHNOLOGY

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

Mesra, Ranchi- 835215

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http://www.bitmesra.ac.in

Admission Notification for Full-Time / Part-Time Ph.D. Programmes (Session Spring 2016)

Applications are invited from eligible candidates for admission to full-time / part- time Ph.D. programme in the following Departments: [Please see Department profiles on Institute website for research areas in each Department, and also instructions for filling the application form, fee structure, grouping of candidates etc].

Departments: Animation & Multimedia, Architecture, Bio-Engineering, Chemical Engineering & Technology, Chemistry, Civil & Environmental Engineering, Computer Science & Engineering, Electrical & Electronics Engineering, Electronics & Communication Engineering, Management, Mathematics, Mechanical Engineering, Pharmaceutical Science & Technology, Physics, Production Engineering, Remote Sensing and Space Engineering & Rocketry

All candidates are advised to read this notification before filling the application form.

A) Minimum Eligibility Criteria:

1. An applicant for admission to the Ph.D. programme of this Institute shall possess, normally, (a) an M.Phil./Master's degree in Technology/ Engineering/ Pharmacy/ Management/ Architecture/ or equivalent, with a minimum of 60% marks at Master's level for General candidates (55% in case of (i) Full-Time Sponsored candidates with a minimum of three years professional experience, and (ii) SC/ST candidates) or (b) an M.Phil./Master's Degree in Science/Humanities with a minimum of 55% marks at Master's level for General candidates (50% in case of Full-Time Sponsored candidates with a minimum of three years professional experience, and SC/ST candidates) or (c) any other discipline approved by the Technical Council of the Institute from time to time.

    Candidates must hold the required degree or equivalent qualification in appropriate discipline of any of the Universities incorporated by an act of the central or state legislatures in India or other educational institutions established by an act of Parliament or declared to be deemed as an University under section 3 of UGC Act, 1956, or possess an equivalent qualification recognized by the ministry of HRD, Government of India / Association of India Universities.

2. Applicants with B.Tech /B.E./B.Sc. Engg./B.Arch./B.Pharm./M.B.B.S. having a minimum of 70% marks at Graduation level for General candidates (55% in case of Full-Time Sponsored candidates with a minimum of three years professional experience, and 55% for SC/ST candidates) may also apply. This degree must entail a minimum of 4 years of education after higher secondary schooling (10+2) or equivalent.

3. However, an applicant having professional qualifications such as Associate Member of Institution of Engineers (India) / Aeronautical Society of India or equivalent may be considered for admission to the Ph.D. programme only after he/she completes the M.E. / M.Tech programme of any recognized university with a minimum of 60% marks at Master's level (55% in case of Full-Time Sponsored candidates with a minimum of three years professional experience, and SC/ST candidates).

4. Candidates must have adequate proficiency in written and spoken English. Foreign nationals, excluding ex-students and faculty/staff members of B.I.T. International Campuses, possessing any of the qualification listed 1, 2, 3 above shall be required to clear TOEFL or any other equivalent examination prescribed by the Technical Council of the Institute from time to time to become eligible for admission to the Ph.D. programme.

NB: Candidates must hold the required degree or equivalent qualification in appropriate discipline. All candidates are directed to see the web pages of Departments of the Institute for detailed eligibility criteria additionally for each department.
Notes:
(1) Candidates with foreign diplomas should see the EdCIL website for equivalence (http://www.edcil.co.in), and if required should obtain an equivalence certificate well in advance from the evaluation division of the AIU (website http://www.aiuweb.org).
(2) In case any Board / University awards grades instead of marks, the calculation of equivalent marks would be based on the procedure prescribed by the Board / University. In case a University does not have any scheme for converting CGPA into equivalent marks, the equivalence would be established by dividing obtained CGPA with the maximum possible CGPA and multiplying the resultant with 100.

B) How to Apply: (Please see Instructions also for details)

To apply for the Ph.D. programme (Session Spring 2016) of the Institute, **eligible candidates must download and print the application form available on our website,** and

> ➤ Send the completed form along with two recent colour photographs and photocopies of all marksheets and certificates (see List of enclosures)
> ➤ **Crossed Demand Draft for Rs. 2,500/- (Rs.1,500/- for SC/ST) non-refundable in favour of "Birla Institute of Technology",** payable at **Ranchi**
> ➤ Send in a A4 size envelope by Speedpost / reliable courier (means by which sender may track its movement on internet) to the office of **Dean, Admissions & Academic Coordination, Birla Institute of Technology, Mesra, Ranchi – 835215.**
> ➤ Write "Application for Ph.D. SP 2016" on the envelope. **Applications reaching us after the due date are liable to be rejected / may not be processed.**
> ➤ Incomplete applications or applications received without all required enclosures are liable to be rejected / may not be processed.

Notes:
- **You may use one application form to apply for Ph.D. in ONLY one Department.**
- **Please use separate application forms to apply for two or more Departments. Each application form must be complete in all respects and sent in a separate envelope along with all required enclosures as above.**
- **Candidates may apply for the Ph.D. programme in a maximum of three Departments.**

Important Dates:

Availability of Application Form (Online / downloadable) on the Institute website	**30 October 2015**
Last date for receipt of completed forms at Mesra	**23 November 2015**
Tentative date for notification of list of eligible candidates for Written Test & Interviews (only on the Institute website)	**01 December 2015**
Date for Written Test and Interviews	**14 December 2015**
Declaration of Result by	**15 December 2015**
Admission by	**18 December 2015**
Date for commencement of classes will be announced at the time of admission	

Date, Time and Venue for Ph.D. Entrance Test:

The Ph.D. Entrance Test will be held on 14th December 2015 from 9:00 am to 1:00 pm at the Institute Main Building in the Institute's Campus at Mesra, Ranchi- 835215.

The Ph.D. Entrance Test on **14th December 2015** would consist of 2 parts
a) General Aptitude Test common to all applicants, from 9:00 am to 9:45 am **on 14th December 2015** and
b) Subject Specific Tests to examine basic fundamental knowledge in the subject, from
- 10:00 am to 10:45 am for candidates applying to only one Department
- 10:00 am to 10:45 am & 11:00 am to 11:45 am for candidates applying to two Departments
- 10:00 am to 10:45 am, 11:00 am to 11:45 am & 12:00 noon to 12:45 pm for candidates applying to three Departments

The syllabi of the General Aptitude Test and the Subject Specific Tests for each Department can be seen on the Department web pages on the Institute website.

Date and Venue for Interviews: 14th December 2015, from 2:00 pm onwards, at the concerned Department

Provisional selection lists, along with procedures for admissions, will be notified by 5:00 pm on or before 15th December 2015, on the Institute website and Notice Boards of the Institute only. **No separate intimations will be sent to candidates.** Provisionally selected candidates will be required to take admission by the date given, failing which vacant seats may be allotted to waitlisted candidates. The list of waitlisted candidates will also be announced on our website and Institute Notice Boards only. **No separate intimations will be sent to candidates.**

Candidates provisionally admitted to the Ph.D. programme will be required to fill an "Enrollment Form" with details of their proposed field of research, research topic, and name of their guide, within 5 to 10 days after their admission, and submit the same to the Dean (Academic Programmes), through the Head of the concerned Department. [The Enrollment Form will be available on the Institute website and at office of the Dean, Admissions & Academic Coordination].

C) Selection Procedures:
Selection to the Ph.D. programmes would be based on performance in a Written Test, Previous academic record and an Interview. Only such candidates, who obtain the minimum required marks in Aptitude Test, Subject Specific Test and the indicated total percentage of marks, will be considered for final preparation of result as given below:

Category of applicant	Aptitude Test (100)	Subject Test (100)	Academic Record (60)	Interview (40)	Total (300)
General	40%	40%	-	-	50%
SC / ST	35%	35%	-	-	45%

D) Fellowships:
1. A limited number of Institute fellowships are available in some Departments for full-time scholars.
2. Candidates who have qualified in CSIR – NET / BRNS / NBHM / other selections would avail the fellowships directly from the respective organizations.

E) Documents required at the time of interviews:
Candidates must carry the originals documents at the time of Test and interviews, as well as an extra set of photocopies (as given in Item No. G)

F) Documents required at the time of admission:
If provisionally selected, candidates will be required to submit all the documents as given below in original (except the Photo ID) at the time of admission, along with the requisite fees.

G) List of enclosures required with the Application Form:
Candidates must enclose photocopies of the following documents with the duly completed Application Form:
1. Pass certificate and marksheet of Class 10
2. Marksheet of Class 12 / Intermediate or equivalent
3. Certificate and marksheets of Graduation
4. Certificate and marksheets of Post Graduation
5. College Leaving Certificate
6. Migration Certificate
7. **Candidates with qualifications acquired through correspondence or distance-learning programmes are eligible only if (a) they acquired such qualifications as working professionals / while in employment, (b) the programmes are recognized by the DEC-UGC-AICTE or MHRD, (c) they have passed the qualifying examination at the time of applying, with minimum requisite marks as given in eligibility criteria. They must enclose photocopies of (i) work experience certificate (ii) pass certificate and marksheets of qualifying examination with their application.**
8. CSIR-NET / BRNS/ NBHM / other test admit card and Score card (if applicable)
9. Caste certificate / special category certificate (if applicable) in proper format (see below)
10. Payment receipt towards application fee of Rs.2,500/- (General) and Rs.1,500/- (SC/ST) candidates (non-refundable)
11. Sponsorship letter, NOC, Experience Certificate and Facilities available to carry out the research work at their place of working (if applicable) for Sponsored / Part-Time candidates

12. One recent colour photograph – [same as uploaded on the form] and attached by clip
13. Photo identification: (Driving license, Passport, PAN Card, Voter ID, Employee Identification Card are acceptable)

Write your Name, your telephone number and **"Ph.D. Spring 2016"** on the back of each of these documents and certificates. All such papers must be stapled or stitched to the form.

➢ **All candidates belonging to the SC and ST categories must note and obtain caste certificates which should be in proper format, and should be signed by appropriate authority of rank not less than SDO.** (**Note:** Final reservation proportion will depend on notification, if any, issued by competent authority and as accepted by the Institute).
➢ Candidates belonging to Persons with Disability [PwD] category must send photocopy of relevant certificate(s) in proper format **signed by appropriate authority.**
➢ **Do not enclose any original certificates with your application at this stage.**

The Admissions Office / concerned Departments may not undertake detailed scrutiny of applications before Test / Interviews, and all shortlisted applicants called for Test / Interviews, except those whose applications are summarily rejected, are allowed to appear at the Test / Interviews on purely provisional basis, subject to their eligibility being verified at the time of Test / interviews. Merely being allowed to appear at the Test / Interviews will not be considered as a ground for being eligible for admission to the Ph.D. programme. Further, mere submission of application form does not entitle a candidate to appear for the Test / Interviews.

Please note:
1. All candidates in their own interest should keep photocopies of their completed forms for their own reference.
2. **The Department-wise list of eligible candidates with registration number will be displayed on the Institute website.**
3. Candidates whose names appear in the lists may note their Registration Numbers and should come to attend the Test and Interview. They are advised to carry a photocopy of their completed application form at the time of Test and Interviews. **No individual intimation will be sent to candidates.**
4. **No Admit Card will be issued.**
5. Candidates whose names do not appear in the lists of eligible candidates, may contact the Admissions Office at Mesra by telephone or fax.
6. **Candidates must carry valid Photo identification at the time of Written Test.** (Driving license, Passport, PAN Card, Voter ID, Employee Identification Card are acceptable)

H) Who will be sponsored candidate?
Candidates who are employed in recognized Educational Institutes / Universities / Colleges OR in Government / Defence / Research Laboratories OR in reputed Industry, etc. and have at least three years of experience.
Note:
1. Such candidates must submit their applications in prescribed form, along with
    a) Letter of Sponsorship and
    b) No Objection Certificate from their Organization
    c) Experience certificate.
    d) Facilities available to carryout his / her research work at their place of working
2. They must also appear for the Test and Interviews.

I) Residence Requirement for External Scholar at the Institute at Mesra / Off Campuses:
The residential requirement of the external Ph.D. candidate shall be a minimum period of one semester at the Institute at Mesra / Off Campuses.

For any queries, candidates may see Ph.D. Regulations available on the Institute website (downloadable as pdf document). For any further queries, candidates may contact the Dean, Academic Programmes by e-mail (deanpgr@bitmesra.ac.in or deanap@bitmesra.ac.in).

For any queries about the research areas and syllabi of the Tests, candidates may please contact the concerned Head of the Department by telephone or e-mail. (Please see Directory on the Institute website for contact details).

Candidates must visit our website http://www.bitmesra.ac.in regularly for updates and/or for any other matters related to the admission procedures.

By order of the Vice Chancellor

(Dr. G. Sahoo)
Dean Admissions & Academic Coordination

Contact details:
Dean, Admissions & Academic Coordination
Birla Institute of Technology
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