

# ADMISSION APPLICATION MATERIAL

For Admission of Students of NRI / PIO / SFPS Categories

To Undergraduate And Postgraduate Programmes 2009  
At Mesra And Extension Centres



**BIRLA INSTITUTE OF TECHNOLOGY**

Deemed University under section 3 of UGC Act 1956

Mesra, Ranchi – 835215, Jharkhand, India

Website: <http://www.bitmesra.ac.in>

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## **Enclosures with the NRI / SFFS Application Material 2009**

1. Printed Application form
2. Format for Letter of Recommendation
3. Information Brochure 2009

To apply for any programme, eligible candidates may either complete the printed application form provided with the NRI / SFFS Application Material 2009, or download and print the application form on our website, and fill the same. They must submit the completed form with all enclosures and the requisite application fee (please see section 2) by the due date.

**Candidates applying to programmes at Mesra should send their completed applications and all enclosures to reach the office of Dean Admissions, Birla Institute of Technology, Mesra, Ranchi – 835215, by 15 June 2009. Applications reaching us beyond this deadline may not be processed.**

Candidates applying to programmes offered at Extension Centers should send their **original** completed application with all enclosures and the application fee to the office of Dean Admissions at Mesra by the above date, and also send a photocopy of their application and enclosures to the Director of the concerned Extension Centre.

For information about an academic programme please contact the Head of the Department, (please see website for telephone numbers of Heads of Departments).

For information about an Extension Centre please contact the Director.

For admission related procedures, please contact the Admissions Office, at Mesra.

## **Doctoral programmes:**

The Institute also offers Ph. D. in various disciplines at Mesra and other Centres. Interested candidates may download the application form from our website and send completed application with enclosures by registered post to the office of Dean Doctoral Research, Birla institute of Technology, Mesra, Ranchi 835215.

# 1. INTRODUCTION: ACADEMIC PROGRAMMES OF THE INSTITUTE

The **NRI / SFFS Application Material 2009** covers admissions of students from the Non-Resident Indian (NRI) / Person of Indian Origin (PIO) / 'Self Financing Foreign Student' (SFFS) categories to the following academic programmes of the Institute, at Mesra, and Extension Centres at Allahabad, Deoghar, Jaipur, Kolkata, Lalpur, Noida and Patna.

## A) Undergraduate Programmes:

### Undergraduate Programmes at Mesra

1. Bachelor of Engineering (B.E.) in the following disciplines:
  - a) Biotechnology
  - b) Civil Engineering
  - c) Computer Science
  - d) Electrical & Electronics Engineering
  - e) Electronics & Communication Engineering
  - f) Information Technology
  - g) Mechanical Engineering
  - h) Polymer Engineering
  - i) Production Engineering
2. Bachelor of Architecture (B. Arch)
3. Bachelor of Pharmacy (B. Pharmacy)
4. Bachelor of Hotel Management and Catering Technology (BHMCT)
5. B.Sc. Food processing Technology (B.Sc. FPT)

### Undergraduate Programmes at Allahabad

1. Bachelor of Business Administration (BBA)
2. Bachelor of Computer Applications (BCA)

### Undergraduate Programmes at Deoghar

Bachelor of Engineering (B.E.) in the following disciplines:

- a) Computer Science
- b) Electrical & Electronics Engineering
- c) Electronics & Communication Engineering
- d) Mechanical Engineering
- e) Production Engineering

### Undergraduate Programmes at Jaipur

1. Bachelor of Engineering (B.E.) in the following disciplines:
  - a) Computer Science
  - b) Electronics & Communication Engineering
2. Bachelor of Business Administration (BBA)
3. Bachelor of Computer Applications (BCA)
4. B.Sc. Animation & Multimedia (B.Sc. A & M)

### Undergraduate Programmes at Kolkata

1. Bachelor of Business Administration (BBA)
2. Bachelor of Computer Applications (BCA)

### Undergraduate Programmes at Lalpur

1. Bachelor of Business Administration (BBA)
2. Bachelor of Computer Applications (BCA)

## Undergraduate Programmes at Noida

1. Bachelor of Business Administration (BBA)
2. Bachelor of Computer Applications (BCA)
3. B.Sc. Animation & Multimedia (B.Sc. A & M)

## Undergraduate Programmes at Patna

Bachelor of Engineering (B.E.) in the following disciplines:

- |  |   |
|--|---|
| a) Computer Science                        | b) Electrical & Electronics Engineering |
| c) Electronics & Communication Engineering | d) Mechanical Engineering               |
| e) Production Engineering                  |   |

## B) Postgraduate programmes:

### M. E. programme at Mesra in various specializations in the following disciplines:

- |  |   |
|--|---|
| a) Automated Manufacturing Systems         | b) Computer Aided Analysis and Design -CAAD |
| c) Civil Engineering                       | d) Electrical Engineering                   |
| e) Electronics & Communication Engineering | f) Mechanical Engineering                   |
| g) Quality Engineering & Management        | h) Polymer Engineering                      |
| i) Software Engineering                    | j) Space Engineering & Rocketry             |

### M. Pharm programme at Mesra in the following five specializations

- |                             |                  |
|-----------------------------|------------------|
| a) Pharmaceutical Chemistry | b) Pharmaceutics |
| c) Pharmacology             | d) Pharmacognosy |
| e) Clinical Research        |                  |

### M. Tech programme at Mesra in the following disciplines

- |                                 |  |
|---------------------------------|--|
| a) Computer Science             | b) Environmental Science & Engineering   |
| c) Fuels and Combustion         | d) New Materials & Processing Technology |
| e) Polymer Science & Technology | f) Remote Sensing                        |
| g) Scientific Computing         |  |

**MBA – Master of Business Administration – programme at Mesra, Jaipur, Lalpur and Noida**

**MCA – Master of Computer Applications – programme at Mesra, Allahabad, Jaipur, Kolkata, Lalpur, and Noida**

**Master of Urban Planning (Town Planning) MUP - programme at Mesra**

**M.Sc. programme at Mesra in the following disciplines**

- |                                |                        |
|--------------------------------|------------------------|
| a) Applied Chemistry           | b) Applied Mathematics |
| c) Applied Physics             | d) Bio-Informatics     |
| e) Bio-Medical Instrumentation | f) Geo-Informatics     |
| g) Information Science         |                        |

**M.Sc. programme in Geo-Informatics at Jaipur**

**M.Sc. programme at Kolkata in the following disciplines**

- |                    |                    |
|--------------------|--------------------|
| a) Bio-Informatics | b) Geo-Informatics |
|--------------------|--------------------|

**M.Sc. programme in Information Technology at Lalpur, for Girls only**

## 2. HOW TO APPLY AND SELECTION PROCEDURES

Interested and eligible candidates of the NRI / PIO / SFFS categories who wish to apply for admission to an academic programme listed in Section 1, may note that the NRI / SFFS Application Material 2009 along with the Information Brochure 2009 can be obtained, in person or by post, from the office of Dean Admissions, Birla Institute of Technology, Mesra, Ranchi - 835215, or Extension Centres in India.

The cost of the NRI / SFFS Application Material 2009 and the Information Brochure 2009 is 20 USD / INR 1000 if requested by post, and 10 USD / INR 500 if collected by hand, by crossed Demand Draft in favour of Birla Institute of Technology, payable at Ranchi.

Postal requests should include: Name of candidate and complete postal address with telephone, fax number, and e-mail id, his/her qualifications, Name of School / College where studying/last studied, and name of programme in which admission is sought. The application material will be sent by airmail in response to all such requests.

The NRI / SFFS Application Form may also be downloaded and printed from our website, along with the Information Brochure 2009 and the NRI / SFFS Application Material 2009.

To apply for any programme, eligible candidates may either complete the printed application form provided with the NRI / SFFS Application Material 2009, or download and print the application form on our website, and fill the same. They must submit the completed form with 2 recent clear colour photographs (one pasted on the form at the position indicated and one attached by clip to the form), along with photocopies of all relevant certificates (see later in this section), completed letters of recommendation and the requisite application fee by the due date at the address given below. Candidates should attach at least two letters of recommendation (mandatory for applicants to Postgraduate Programmes and desirable for applicants to Undergraduate Programmes).

**The Application Fee to be attached with the completed form is 110 USD with the form downloaded from our website or 100 USD with the printed application form provided with the NRI / SFFS Application Material 2009, by crossed Demand Draft in favour of Birla Institute of Technology, payable at Ranchi. (All charges and fees are to be paid by crossed Demand Draft in favour of Birla Institute of Technology, payable at Ranchi. For procedures of electronic payment of fees after admission, please contact the Chief Accountant, on +91-651-2275808).**

**Candidates applying to programmes at Mesra should send their completed applications and all enclosures to reach the office of Dean Admissions, Birla Institute of Technology, Mesra, Ranchi – 835215, by 15 June 2009. Applications reaching us beyond this deadline may not be processed.**

Candidates applying to programmes offered at Extension Centers should send their original completed applications with all enclosures and the application fee to the office of Dean Admissions at Mesra by the same date. They should also send a copy of completed application and all enclosures to the Director of the concerned Extension Centre.

**Candidates should go through the eligibility criteria, rules and regulations, details of fees, maintenance costs and other conditions given below and on our website <http://www.bitmesra.ac.in> before submitting their applications.**

**For all programmes, dispatch of offer letters would commence from 23 June 2009.**

**All programmes will commence on 24 July 2009.**

## List of enclosures required with duly completed application form

### Enclosures required for undergraduate programmes:

Applicants for all undergraduate programmes should attach with their applications

- (a) Bank Draft for USD 100 / USD 110 in favour of "Birla Institute of Technology" payable at Ranchi, towards Application Fee
- (b) Two recent clear passport size photographs (one pasted on the form and one attached by clip)
- (c) Photocopies of the following documents:
  1. Pass certificate of Class 10 / High School Certificate or other document as proof of age.
  2. Mark Sheet of Class 10 and Mark sheet of Class 12 / Qualifying Examination, indicating clearly that you have obtained requisite minimum marks in aggregate
  3. School Leaving Certificate / College Leaving Certificate
  4. Certificate(s) from competent authority that you or your parent is an NRI / PIO / SFFS.
  5. Undertaking from parent that he / she will pay all the fees of the Institute in USD for the entire duration of the course, at the beginning of each semester.
  6. Copy of passport
  7. Copy of parent's passport

### Enclosures required for postgraduate programmes:

Applicants for all postgraduate programmes should attach

- a) Bank Draft USD 100 / USD 110 in favour of "Birla Institute of Technology" payable at Ranchi, towards Application Fee
- b) Two recent clear passport size photographs (one pasted on the form and one attached by clip)
- c) Photocopies of the following documents with their applications:
  1. Pass certificate of Class 10 / High School Certificate or other document as proof of age.
  2. Mark Sheet of Class 10 and Mark sheet of Class 12 / Qualifying Examination, indicating clearly that you have obtained requisite minimum marks in aggregate
  3. School Leaving Certificate / College Leaving Certificate
  4. Certificate from competent authority that you or your parent is an NRI / PIO / SFFS.
  5. Undertaking from parent that he / she will pay all the fees of the Institute in USD for the entire duration of the course, at the beginning of each semester
  6. Copy of passport
  7. Copy of parent's passport
  8. Marksheets of graduation for postgraduates
  9. Certificates and marksheets of qualifying examination
  10. Marksheets upto pre-final year for candidates who would be completing qualifying examination in 2009. They must also enclose a certificate from the Principal of their Institute stating:
    - a) Date by which the applicant will have appeared for examination in all subjects required for obtaining his/her qualifying degree
    - b) Certifying that applicant has obtained requisite marks, based on latest available grades / marks
  11. Candidates appearing for their qualifying examinations in 2009 may send their applications in advance, but a copy of their final result must be faxed immediately on publication or latest by 15 June 2009. If a candidate is unable to submit marksheet of qualifying examination by above date, provisional offer of admission may still be granted, provided he/she is otherwise found suitable for a programme. **However, in such a case, proof of passing the qualifying examination with requisite marks must then be provided at the time of admission, failing which the provisional admission will be withdrawn / cancelled.**

**Note:** Please do not send any original certificates / documents at this stage. Bring all above original certificates / documents at the time of admission.

### 3. CONDITIONS OF ELIGIBILITY FOR NRI / SFFS STUDENTS, OTHER CRITERIA

In addition to the minimum educational qualifications or equivalents as prescribed for each programme (see below), a candidate seeking admission under direct channel of admission must fulfill the following conditions in order of preference.

- a) The candidate must be Son or Daughter of an NRI / a PIO / or a foreign national, and / or must have obtained prescribed qualification from a School / College located abroad, or
- b) The candidate must have stayed abroad for at least five years during the preceding eight years from the year of admission, or,
- c) The candidate must be citizen of a foreign land holding a valid passport issued by that country. These candidates shall pay prescribed fee in USD or equivalent
- d) The candidate must have a duly valid Certificate indicating NRI / PIO status issued by a competent authority

#### Admissions of Foreign Students (who are Nominees of the Ministry of External Affairs, Government of India) against I.C.C.R. Scholarship:

A limited number of seats may be filled by direct admission from foreign nationals, who fulfill the prescribed eligibility norms. Such students must process their applications through the Indian Missions in their respective countries and the Ministry of External Affairs, Government of India, New Delhi, so as to reach us positively by 15 June 2009. The mode of payment of fees for such foreign students is same as payable by Indian students. These students are directly nominated by ICCR (Indian Council for Cultural Relations, Government of India).

#### Minimum educational qualifications:

Each candidate should be satisfied that he/she fulfils the minimum educational qualifications before submitting an application for a programme. The minimum educational qualifications for various courses are given below and also on our website <http://www.bitmesra.ac.in>

#### Aptitude Test for B. Arch:

Candidates who wish to join the B. Arch course must qualify in an Aptitude Test in Architecture before their applications are further processed for admission. They should contact the Head, Department of Architecture for the syllabus, date and other details of the Aptitude Test on [architecture@bitmesra.ac.in](mailto:architecture@bitmesra.ac.in)

#### Age limit for undergraduate programmes

**The maximum age limit for admission to all undergraduate programmes is 21 years as on 01 October 2009.**

#### Proficiency in English

Candidate must have adequate proficiency in written & spoken English to cope with the programmes as all instruction and examinations will be in English only.

#### 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>)

#### For applications to undergraduate programmes

2. In case any Board awards grades instead of marks at the Class 12 level, the calculation of equivalent marks would be based on the procedure prescribed by the Board

#### For applications to postgraduate programmes

3. In case any University awards grades instead of marks at the graduate/postgraduate level, 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

## 4. ELIGIBILITY CRITERIA FOR UNDERGRADUATE PROGRAMMES

### Common Minimum Eligibility Criteria for all Undergraduate Programmes (CMEC-UG)

- The **maximum age limit** for admission to undergraduate programmes is 21 years as on 1<sup>st</sup> October 2009.
- Candidates must have **passed in all subjects** in which they have appeared in **Class 10** (excluding optional subjects) with minimum 60% marks in average. Marks in Class 10 to be computed as average of marks obtained in all subjects in which candidate has appeared (excluding optional subjects).
- Candidates for some programmes must have studied and passed certain required subjects / combinations of subjects in **Class 12** as given below. Candidates must have passed in all subjects in which they have appeared in **Class 12** (excluding optional subjects) with certain minimum marks in average for each programme as given below. Marks in Class 12 will be computed **as average of best 5 subjects** including English and other required subjects / combinations of subjects for a given programme.

S.No	Programme	Centre(s)	Other Eligibility Criteria in addition to the Common Minimum Eligibility Criteria for Undergraduate Programmes (CMEC-UG) given above
1	B.E.	Mesra, Deoghar, Jaipur, and Patna	<ol style="list-style-type: none"> <li>Candidates must have passed in English, Physics, Mathematics and other 2 subjects as per AIEEE norms in Class 12 / I. Sc. or equivalent examination, with minimum 60% marks.</li> <li>Marks in Class 12 to be computed as average of best 5 subjects including English, Physics, Mathematics and other 2 subjects as per AIEEE norms.</li> </ol>
2	B.PHARM	Mesra	<ol style="list-style-type: none"> <li>Candidates must have passed in English, Physics, Chemistry and Mathematics / Biology / Biotechnology in Class 12 / I. Sc. or equivalent examination with minimum 60% marks. Marks in Class 12 to be computed as average of best 5 subjects including English, Physics, Chemistry, and Mathematics / Biology / Biotechnology.</li> <li>Candidates of PCMB group will be preferred</li> </ol>
3	B. ARCH	Mesra	<ol style="list-style-type: none"> <li>Candidates must have passed in English and Mathematics, and other 3 subjects as per AIEEE norms in Class 12 / I. Sc. or equivalent examination with minimum 60% marks</li> <li>Marks in Class 12 to be computed as average of best 5 subjects including English, Mathematics and other 3 subjects as per AIEEE norms.</li> <li>Candidates must also qualify in an Aptitude Test (please contact Head, Department of Architecture for details)</li> </ol>
4	BHMCT	Mesra	<ol style="list-style-type: none"> <li>Candidates must have passed in all subjects in which they have appeared in Class 12 / Intermediate or equivalent examination (excluding optional subjects) with minimum 60% marks</li> <li>Candidates must have English in Class 12 / Intermediate or equivalent examination</li> <li>Marks in Class 12 to be computed as average of best 5 subjects including English</li> </ol>
5	BBA	Allahabad, Jaipur, Kolkata, Lalpur and Noida	<ol style="list-style-type: none"> <li>Candidates must have passed in all subjects in which they have appeared in Class 12 / Intermediate or equivalent examination (excluding optional subjects) with minimum 60% marks</li> <li>Candidates must have English in Class 12 / Intermediate or equivalent examination</li> <li>Marks in Class 12 to be computed as average of best 5 subjects including English</li> </ol>
6	BCA	Allahabad, Jaipur, Kolkata, Lalpur and Noida	<ol style="list-style-type: none"> <li>Candidates must have passed in all subjects in which they have appeared in Class 12 / Intermediate or equivalent examination (excluding optional subjects) with minimum 60% marks</li> <li>Candidates must have English and Mathematics / Computer Science / Information Practices as compulsory subjects in Class 12 / Intermediate or equivalent examination</li> <li>Marks in Class 12 to be computed as average of best 5 subjects including English and Mathematics / Computer Science / Information Practices.</li> </ol>
7	B.Sc. (A&M)	Jaipur and Noida	<ol style="list-style-type: none"> <li>Candidates must have passed in all subjects in which they have appeared in Class 12 / Intermediate or equivalent examination (excluding optional subjects) with minimum 60% marks</li> <li>Candidates must have English in Class 12 / Intermediate or equivalent examination</li> <li>Marks in Class 12 to be computed as average of best 5 subjects including English</li> </ol>

## 5. ELIGIBILITY CRITERIA FOR POSTGRADUATE PROGRAMMES

### 5A) Common minimum eligibility criteria for MBA, MCA, and M. Sc. programmes

- Candidates must have passed in all subjects in which they have appeared in Class 10 (excluding optional subjects) with minimum 60% marks in average. Marks in Class 10 to be computed as average of marks obtained in all subjects in which candidate has appeared (excluding optional subjects).
- Candidates must have passed in all subjects in which they have appeared in Class 12 (excluding optional subjects) with minimum 60% marks in average. Marks in Class 12 to be computed as average of best 5 subjects in which candidate has appeared, (excluding optional subjects)
- Candidates must hold a Bachelor's Degree or equivalent qualification 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 a University under section 3 of UGC Act, 1956, or possess an equivalent qualification recognized by the Ministry of HRD, Government of India/AIU. This degree must entail a minimum of three years of education (10+2+3 system) after completing higher secondary schooling (Class 12 or equivalent).
- Candidates of B.Sc. / B.A. / B. Com. Honours must have minimum 60% marks in average in their Honours subject. Candidates of other graduate courses must have minimum 60% marks in average in graduation, marks to be computed as average of marks obtained in all subjects in which candidate has appeared (excluding optional subjects).

### Other Criteria for MBA, MCA, and M. Sc. programmes in addition to the Common Criteria above:

S.No.	Programme	Centre(s)	Other Criteria in addition to the Common Minimum Eligibility Criteria above
1	MBA	Mesra, Jaipur, Lalpur and Noida	Graduates in any discipline
2	MCA	Mesra, Allahabad, Jaipur, Kolkata, Lalpur, and Noida	a) BCA or B.Sc. in Computer Science / Information Technology / Electronics OR b) B.Sc. / B.A. with Mathematics or Statistics at graduate level.
3	M.Sc. in Applied Chemistry	Mesra	B.Sc. with Chemistry, Physics, Mathematics / Biology or equivalent
4	M.Sc. in Applied Mathematics	Mesra	B.Sc. with Mathematics, Physics, Chemistry or equivalent
5	M.Sc. in Applied Physics	Mesra	B.Sc. with Physics, Chemistry, Mathematics or Physics, Chemistry, Statistics, or equivalent
6	M.Sc. in Bio-informatics	Mesra and Kolkata	Graduate in any branch of Applied Science / Biological Science / Chemical Science / Pharmacy / Engineering
7	M.Sc. in Bio-Medical Instrumentation	Mesra	B. Sc. with Mathematics / Life Sciences and Physics / Chemistry / Electronics / Instrumentation
8	M.Sc. in Geo-informatics	Mesra, Jaipur and Kolkata	a) Graduate in Agriculture / Atmospheric Sciences / Botany / Chemistry / Computer Applications / Computer Science / Disaster Management / Ecology & Environmental Sciences / Fisheries / Forestry / Geography / Geology / GIS / Information Science / Mathematics / Oceanography / Physics / Soil Science / Statistics / Town Planning / Zoology / allied disciplines b) Candidates must have stereoscopic vision and normal colour vision
9	M.Sc. in Information Science	Mesra	Graduate with Mathematics / Statistics / Business Mathematics / Computer Science either at graduation or Class 12 / Intermediate level
10	M.Sc. in Information Technology	Lalpur	BCA / B.Sc. Electronics / B.Sc. Computer Science ( <b>For girls only</b> )

## 5B) Common minimum eligibility criteria for M.E. programmes (offered only at Mesra)

- Candidates must have passed in all subjects in which they have appeared in Class 10 (excluding optional subjects) with minimum 60% marks in average. Marks in Class 10 to be computed as average of marks obtained in all subjects in which candidate has appeared (excluding optional subjects).
- Candidates must have passed in all subjects in which they have appeared in Class 12 (excluding optional subjects) with minimum 60% marks in average. Marks in Class 12 will be computed as average of best 5 subjects in which candidate has appeared (excluding optional subjects).
- Candidates must hold a B.E. / B.Tech / AMIE or equivalent degree in the appropriate disciplines / branches mentioned below for the respective courses. Candidates must have a first class or minimum 60% marks in average in graduation. In case the examining Board does not award a class, the percentage marks in graduation will be computed as average of marks obtained in all subjects in which candidate has appeared (excluding optional subjects).

### Other Criteria for M.E. programmes in addition to the Common Criteria above:

M.E. Programme (with Department Offering the course)	Specializations	Eligible Branches
<b>Automated Manufacturing Systems</b> (Production Engineering)	-	Production / Manufacturing / Electrical / Mechanical / Electronics & Communication / Computer Science / Mechatronics
<b>Civil</b> (Civil Engineering)	a) Soil Mechanics & Foundation Engineering	Civil
	b) Structural Engineering	Civil
<b>Computer Aided Analysis &amp; Design - CAAD</b> (Applied Mechanics)	-	Any branch of Engineering.
<b>Electrical</b> (Electrical & Electronics Engineering)	a) Power Systems	Electrical / Electrical & Electronics
	b) Control Systems	Electrical / Electronics & Communication / Electrical & Electronics / Electrical Instrumentation & Control or equivalent
<b>Electronics &amp; Communication</b> (Electronics & Communication Engineering)	a) Instrumentation & Control	Electronics & Communication / Instrumentation or equivalent
	b) Microwave	Electronics & Communication or equivalent
	c) Wireless Communication	Electronics & Communication or equivalent
	d) Software Defined Radio	Electronics & Communication or equivalent
<b>Mechanical</b> (Mechanical Engineering)	a) Heat Power	Mechanical / Chemical / Marine
	b) Design of Mechanical Equipment	Mechanical / Production
<b>Polymer</b> (Polymer Engineering)	-	Polymer / Chemical / Plastics / Rubber / Mechanical / Production or equivalent
<b>Quality Engineering &amp; Management</b> (Management)	-	Any branch of Engineering.
<b>Software Engineering</b> (Computer Science & Engineering)	-	Computer Science / Information Technology or equivalent
<b>Space Engineering &amp; Rocketry</b> (Space Engineering & Rocketry)	a) Aerodynamics	Mechanical/Aeronautical/ A.M.Ae.S.I. / AMIE or equivalent
	b) Rocket Propulsion	Mechanical / Aeronautical / Chemical / A.M.I.Ch.E. / A.M.Ae.S.I. / AMIE or equivalent

## 5C) Common minimum eligibility criteria for M.Tech programmes (offered only at Mesra)

- a) Candidates must have passed in all subjects in which they have appeared in Class 10 (excluding optional subjects) with minimum 60% marks in average. Marks in Class 10 to be computed as average of marks obtained in all subjects in which candidate has appeared (excluding optional subjects).
- b) Candidates must have passed in all subjects in which they have appeared in Class 12 (excluding optional subjects) with minimum 60% marks in average. Marks in Class 12 will be computed as average of best 5 subjects in which candidate has appeared, (excluding optional subjects).
- c) Candidates must hold either a
  - i. B.E. / B.Tech / AMIE/ equivalent degree in the appropriate disciplines / branches mentioned below for the respective courses, with a first class or minimum 60% marks in average in graduation. In case the examining Board does not award a class, the percentage marks in graduation will be computed as average of marks obtained in all subjects in which candidate has appeared (excluding optional subjects), OR an
  - ii. MCA or M.Sc. / M.A. degree in the appropriate disciplines / branches mentioned below for the respective courses with first class or 60%, after graduating with a Bachelor's Degree or equivalent qualification in 10+2+3 system from a recognized University, with minimum 60% marks in average [as per clauses (c) and (d) of Common minimum eligibility criteria for MBA, MCA, M. Sc. programmes above - please see 5A]

### Other Criteria for M.Tech programmes in addition to the Common Criteria above:

M. Tech Programme (with Department Offering the course)	Qualifying Examinations / Disciplines Eligible
<b>Computer Science</b> (Computer Science & Engineering)	B.E. / B.Tech in Computer Science / Information Technology / Electronics / Electrical or equivalent, or MCA or M. Sc in Computer Science or equivalent
<b>Environmental Science &amp; Engineering</b> (Environmental Science & Engineering Group)	B.E./ B.Tech or equivalent in any branch of Engineering, or M.Sc. in any subject
<b>Fuels &amp; Combustion</b> (Space Engineering & Rocketry)	B.E. Chemical / B.E. Mechanical / AMIE or equivalent, or M.Sc. Chemistry
<b>New Materials &amp; Processing Technology</b> (Applied Physics)	B.E. / B. Tech in any branch, or M.Sc. in any discipline with Physics and Mathematics at the graduate level
<b>Polymer Science &amp; Technology</b> (Polymer Engineering)	B.E. / B. Tech in Polymer / Plastic / Metallurgy and Material / Chemical or equivalent, or M.Sc. in Chemistry / Physics / Material Science or equivalent
<b>Remote Sensing</b> (Remote Sensing)	<ol style="list-style-type: none"> <li>a) B. Arch or B.E. / B.Tech in any branch of Engineering, or</li> <li>b) Masters degree in Agriculture / Atmospheric Sciences / Botany / Climatology / Chemistry / Computer Applications / Computer Science / Disaster Management / Electronics / Environmental Science / Fisheries / Forestry / Geography / Geology / Geophysics / Geo-Informatics / GIS / Information Science / Mathematics / Meteorology / Oceanography / Physics / Remote Sensing / Soil Science / Statistics / Town Planning / Zoology / allied disciplines</li> <li>c) Candidates must have stereoscopic vision and normal colour vision</li> </ol>
<b>Scientific Computing</b> (Applied Mathematics)	B.E. / B.Tech in any branch of Engineering (except Computer Science & Engineering / Information Technology) or M.Sc. Mathematics / Physics / Statistics / Operations Research

### 5D) Common minimum eligibility criteria for M. Pharm programme (offered only at Mesra)

- a) Candidates must have passed in all subjects in which they have appeared in Class 10 (excluding optional subjects) with minimum 60% marks in average. Marks in Class 10 to be computed as average of marks obtained in all subjects in which candidate has appeared (excluding optional subjects).
- b) Candidates must have passed in all subjects in which they have appeared in Class 12 (excluding optional subjects) with minimum 60% marks in average. Marks in Class 12 will be computed as average of best 5 subjects in which candidate has appeared (excluding optional subjects).
- c) Candidates must hold a B. Pharm degree from any recognized Institute. Candidates must have a first class or minimum 60% marks in average in graduation. In case the examining Board does not award a class, the percentage marks in graduation will be computed as average of marks obtained in all subjects in which candidate has appeared (excluding optional subjects).

#### Other Criteria for M. Pharm programme in addition to the Common Criteria above:

Programme (with Department Offering the course)	Specializations	Eligible Branches
<b>M. Pharm</b> (Pharmaceutical Sciences)	a) Pharmaceutics	B. Pharm from any recognized Institute
	b) Pharmaceutical Chemistry	
	c) Pharmacognosy	
	d) Pharmacology	
	e) Clinical Research	



## 5E) Common minimum eligibility criteria for Master of Urban Planning (Town Planning) MUP programme (offered only at Mesra)

- a) Candidates must have passed in all subjects in which they have appeared in Class 10 (excluding optional subjects) with minimum 60% marks in average. Marks in Class 10 to be computed as average of marks obtained in all subjects in which candidate has appeared (excluding optional subjects).
- b) Candidates must have passed in all subjects in which they have appeared in Class 12 (excluding optional subjects) with minimum 60% marks in average. Marks in Class 12 will be computed as average of best 5 subjects in which candidate has appeared, (excluding optional subjects).
- c) Candidates must hold either a
  - i. B.Arch / B.Planning or equivalent or B.E. in Civil Engineering with a first class or minimum 60% marks in average in graduation [as per clause c (i) above] OR an
  - ii. M.A. / M.Sc. Geography, Economics, Sociology, Environmental Science, Statistics or Anthropology with 60% marks after graduating with a Bachelor's Degree or equivalent qualification in 10+2+3 system from a recognized University, with minimum 60% marks in average [as per clauses (c) and (d) of Common minimum eligibility criteria for MBA, MCA, M. Sc. programmes above - please see 5A]

### Other Criteria for MUP programme in addition to the Common Criteria above:

Programme (with Department Offering the course)	Qualifying Examinations / Disciplines Eligible
<b>Master in Urban Planning</b> (Town Planning) (Architecture)	B. Arch / B. Planning or equivalent / B.E. Civil with 60% marks or M.A. / M.Sc. Geography, Economics, Sociology, Environmental Science, Statistics or Anthropology with 60% marks



## 6. FEES PAYABLE AND OTHER FINANCIAL INFORMATION

### Fee structure for students of NRI / SFFS categories at Mesra and Extension Centres in India

Programmes All (Full-Time)	Centre		All Tuition and Institute fees per semester	Duration
				Years / Semesters
B.E.	Mesra,	Patna,	3,000 USD	4 years / 8 semesters
	Deoghar			
B.E.	Jaipur		2,500 USD	4 years / 8 semesters
B. Pharm	Mesra		3,000 USD	4 years / 8 semesters
B. Arch	Mesra		3,000 USD	5 years / 10 semesters
BHMCT	Mesra		3,000 USD	4 years / 8 semesters
B.Sc. (FPT)	Mesra		1,750 USD	3 years / 6 semesters
BBA	Extension Centres		1,750 USD	3 years / 6 semesters
BCA	Extension Centres		1,750 USD	3 years / 6 semesters
B.Sc. ( A&M)	Extension Centres		1,750 USD	3 years / 6 semesters
M.E. all	Mesra		2,500 USD	2 years / 4 semesters
M. Tech all	Mesra		2,500 USD	2 years / 4 semesters
MUP	Mesra		2,500 USD	2 years / 4 semesters
M. Pharm	Mesra		2,500 USD	2 years / 4 semesters
MBA*	Mesra		2,500 USD	2 years / 4 semesters
MBA*	Extension Centres		2,000 USD	2 years / 4 semesters
MCA	Mesra		2,500 USD	3 years / 6 semesters
MCA	Extension Centres		2,000 USD	3 years / 6 semesters
M. Sc. BMI	Mesra		2,500 USD	2 ½ years / 5 semesters, including 6 months internship
M. Sc. Others	Mesra		2,500 USD	2 years / 4 semesters
M. Sc.	Extension Centres		2,000 USD	2 years / 4 semesters
Ph.D.	Mesra & Extension Centres		Please contact Dean Doctoral Studies for details	

\* w.e.f. July 2009 (MO 2009)

## Notes:

- a) Hostel facilities are available only at Mesra, Patna and Deoghar and the fees indicated for Mesra, Patna and Deoghar are inclusive of Hostel Room Rent, Maintenance & Electricity. Food charges are not included. Students must deposit an advance amount of INR 10,000 at the time of admission
- b) Fees indicated for other Extension Centres are exclusive of Hostel Room Rent. Hostel accommodation is not provided at Extension Centres, and students admitted at Extension Centres must take their own arrangements for boarding and lodging.
- c) There would be a remission of 15% in fees, rounded off to nearest 100 USD, for students who are citizens of member states of SAARC- Bangladesh, Bhutan, Maldives, Nepal, Pakistan and Sri Lanka – on appropriate proof of citizenship.
- d) For programmes at Mesra all charges and fees are to be paid by crossed Demand Draft in favour of Birla Institute of Technology, payable at Ranchi. For programmes at Extension Centres, the tuition and Institute fees should be paid by crossed Demand Draft in favour of Birla Institute of Technology payable at the city where Centre is located. For procedures of online payments after admission, please contact Comptroller, Birla Institute of Technology, Mesra, Ranchi, on 91-651-2275808. Bank Charges should be factored into the online payments.



The NRI / SFFS Application Material 2009 covers admission of students from the Non Resident Indian (NRI), Person of Indian Origin (PIO) and Self Financing Foreign Student (SFFS) categories to all full-time undergraduate and postgraduate programmes offered by the Institute and its Extension Centres, as listed in Section 1. All programmes will commence in July 2009.

Please see the Information Brochure 2009 for details about the Institute, Departments, Extension Centres, International Centres, Programmes, etc. Further information about the Departments, course structures and syllabi, etc, can be found on our website <http://www.bitmesra.ac.in>

The NRI / SFFS Application Material 2009 along with the Information Brochure 2009 can be obtained from Mesra or any of our Extension Centres at the addresses given below.

Centre	Addresses and contact details
<b>Mesra</b>	<b>Dean Admissions, Birla Institute of Technology, Mesra, Ranchi 835215</b> Phone: PBX: 0651-2275444 / 896, 2276249 / 267 / 432 - Extn 469, & 2275868 (D) Fax: 0651- 2275401, 2276007, e-mail: admissions@bitmesra.ac.in
<b>Allahabad</b>	<b>Director, Birla Institute of Technology Extension Centre</b> B-7, Industrial Area, P.O. TSL Naini, Allahabad 211010, Phone: 0532- 2686668 / 2687363, Fax: 2687554 City Office: 14 Tagore Town, Allahabad 211002, Phone: 2465518 <a href="http://www.bitallahabad.ac.in">http://www.bitallahabad.ac.in</a> , e-mail: bitecald@dataone.in / bitecald@bitallahabad.ac.in
<b>Deoghar</b>	<b>Director, Birla Institute of Technology Extension Centre</b> P.O. – Ratanpur, Jasidih, Dist. Deoghar, 814142, Jharkhand, Phone: 9334654856 / 9308139037, Telefax: 06432-292565, e-mail: bitdeoghar@bitmesra.ac.in
<b>Jaipur</b>	<b>Director, Birla Institute of Technology Extension Centre</b> 27, Malviya Industrial Area, Jaipur 302017 Phone: 0141- 4019798 / 4019812, Fax: 2751601, e-mail: bitjaipur@bitmesra.ac.in
<b>Kolkata</b>	<b>Director, Birla Institute of Technology Extension Centre</b> Southend Conclave, 1582, Rajdanga Main Road, 4th Floor (On Gariahat - E M bypass Connector, opposite Siemens Building) Kolkata 700107, Phone: 033 - 24414542 / 24414456, Fax: 24414299 e-mail: bitkolkata@bitmesra.ac.in
<b>Lalpur</b>	<b>Director, Birla Institute of Technology Extension Centre</b> Lalpur, Ranchi 834001, Phone: 0651-2531817 / 2531676, Fax: 2531658 / 2531676 <a href="http://www.biteclalpur.ac.in">http://www.biteclalpur.ac.in</a> , e-mail: bitlalpur@bitmesra.ac.in
<b>Noida</b>	<b>Director, Birla Institute of Technology Extension Centre</b> A-7 Sector-1, Noida 201301, Phone: 0120 - 2543484 / 2553661 / 3662, Fax: 2554146 <a href="http://www.bitnoida.in">http://www.bitnoida.in</a> , e-mail: webmaster@bitnoida.in
<b>Patna</b>	<b>Director, Birla Institute of Technology Extension Centre</b> Near Patna Airport, P.O. Bihar Veterinary College, Patna 800014 Phone: 0612- 2223545, 3200853, Fax: 2223545, e-mail: bitpatna@bitmesra.ac.in

**For admission to academic programmes at our International Centres, please contact the concerned Centre directly at the Addresses and Contact Details given below**

<b>BITIC Bahrain</b> <a href="http://www.bitic.edu.bh">http://www.bitic.edu.bh</a>	<b>Director, BITIC, P.O. Box 31320, Budaiya, Kingdom of Bahrain</b> Phone: +973- 17690025, Fax: +973- 17692879, e-mail biticadm@batelco.com.bh
<b>BITEC Muscat</b> <a href="http://waljatcolleges.edu.om">http://waljatcolleges.edu.om</a>	<b>Director, BITEC, P.O. Box 197: Rusayl, Muscat, Postal Code: 124, Sultanate of Oman</b> Phone: +968- 24446660, 24449194, 24449155, 24446899 Hotline: +968 - 24446337 Fax: +968- 24449196/97, e-mail waljatcm@omantel.net.om info@waljatcolleges.edu.om, dean@waljatcolleges.edu.om
<b>BITIC RAK UAE</b> <a href="http://www.biticrak.ae">http://www.biticrak.ae</a> <a href="http://rcast.org/bitcentre.htm">http://rcast.org/bitcentre.htm</a>	<b>Director, BITIC, Knowledge Centre, RAK Free Trade Zone,</b> P.O. Box 10141, Ras Al Khaimah, United Arab Emirates Phone: +971-7- 2274406, 2272203, 2274403; Fax: +971-7- 2284003, e-mail director@royalbit.ae