INFORMATION BROCHURE

for
Admission to

4-Year (8-Semester) Full-Time
Bachelor of Technology (B.Tech.)
Programme 2020-2024
at
Birla Institute of Technology
Deoghar, Jaipur and Patna Off Campuses

BIRLA INSTITUTE OF TECHNOLOGY
(Deemed to be University under section 3 of UGC Act 1956)
Mesra, Ranchi – 835215
Jharkhand, India
Website: www.bitmesra.ac.in

ADDRESSES AND CONTACT DETAILS

Campus	Addresses and contact details
Mesra	Dean Admissions & Academic Coordination Birla Institute of Technology Mesra, Ranchi - 835215 Phone No.: 0651-2275868 Tollfree No.: 0651-2275020, 2275040 Fax: 0651-2275401 E-mail: admissions@bitmesra.ac.in
Deoghar	Director, Birla Institute of Technology Campus P.O. Jasidih Dist. Deoghar – 814142 (Jharkhand) Mobile No. 7463881140, 7463881103, 7463881136 E-mail: bitdeoghar@bitmesra.ac.in, infobitdeoghar@bitmesra.ac.in
Jaipur	Director, Birla Institute of Technology, Off Campus 27, Malviya Industrial Area, Jaipur – 302017 Phone No.: 0141 – 4019819 / 4019798 Mobile No.: 6377439408, 9414278777 E-mail: bitjaipur@bitmesra.ac.in
Patna	Director, Birla Institute of Technology, Off Campus Near Patna Airport, P.O. Bihar Veterinary College, Patna - 800014 Phone No.: 0612- 2223545 Mobile No.: 9835311885, 9504967652 E-mail: bitpatna@bitmesra.ac.in

Please see our website for addresses and contact details of our other Off Campuses

IMPORTANT DATES:

Filling of online form commences from	**23rd July 2020**
Filling of online form closes at 12:00 pm on	**21st August 2020**
Declaration of Campus-wise Merit List	**24th August 2020**
Declaration of Campus-wise *First* list	**25th August 2020**
Last date for paying admission fee (first list)	**2nd September 2020**
Declaration of Campus-wise *Second* list	**3rd September 2020**
Last date for paying admission fee (second list)	**8th September 2020**
Declaration of Campus-wise *Third* list	**9th September 2020**
Last date for paying admission fee (third list)	**15th September 2020**
Declaration of Campus-wise *Fourth* list	**16th September 2020**
Last date for paying admission fee (fourth list)	**21st September 2020**
Date for commencement of regular classes will be announced at later stage	

Note:
1. All the dates mentioned above are tentative, and liable to be changed. Hence, please check our website periodically.
2. Candidates are advised to retain the application with you, as the same will be required to produce at the time of reporting for physical verification of documents / Admission.

ELIGIBILITY CRITERIA AND HOW TO APPLY

This Information Brochure covers admissions to the 4-year [8-semester] B.Tech. program offered by the Birla Institute of Technology at Deoghar, Jaipur and Patna Off Campuses for the session 2020-21.

Eligibility Criteria:

1) Only those candidates whose date of birth falls on or after 1 October 1995 are eligible for admission. However, in the case of Scheduled Caste (SC), Scheduled Tribe (ST) and Persons with Disability (PwD) candidates, upper age limit is relaxed by 5 years, i.e. SC, ST and Persons with Disability (PwD) candidates who were born on or after 1 October 1990 are eligible for admission. **Date of Birth as recorded in the Secondary Education Board (Class X, High School) certificate only will be taken as authentic.**

2) Candidate must have passed in the final examination of 10+2 (Class XII), or its equivalent, referred to as the qualifying examination. Candidates with compartment are not eligible to apply for the program.

3) Subject combinations required in the qualifying examination for admission to B.Tech. programme shall be as under:

Required Criteria based on Class 12th / Equivalent Qualifying Examination
1. Language, **2**-Physics, **3**-Mathematics, **4**- Chemistry, **5**- Any other Subject
[Physics, Chemistry and Mathematics are as compulsory subjects].
With at least 60% marks for General / BC (55% for SC/ST/PwD) candidates in the above subjects taken together.

4) **BC-I / BC-II of Jharkhand State for admission at BIT Deoghar Campus:** The candidates must have passed their qualifying exam from the State of Jharkhand and should be BC-I (EBC)/ BC-II (OBC) of Jharkhand State only. **A certificate should have been issued on or after 1st April 2019.**

5) **BC-I / BC-II of Bihar State for admission at BIT Patna Campus:** The candidates must have passed their qualifying exam from the State of Bihar and should be BC-I (EBC)/BC-II (OBC)/ BC (OBC) Girls of Bihar State only. **A certificate should have been issued on or after 1st April 2019.**

Notes:

➢ Candidates with foreign diplomas should see the EdCIL website for equivalence (http://www.edcil.co.in), and if required should obtain an equivalence certificate from the evaluation division of the AIU (website http://www.aiuweb.org).

➢ In case any Board awards grades instead of marks, the calculation of equivalent percentage of marks would be multiplied GPA/CGPA by 10 or based on the procedure prescribed by the Board.

➢ Candidate must have adequate proficiency in written & spoken English to cope up with the programme as all instructions and examinations will be in English only.

➢ At any level of the studies [Class X or Class XII], a candidate / applicant must have passed all the required subjects at that level from the same Board.

HOW TO APPLY:

1. To fill online application form, click on the link **"APPLY ONLINE"** to register for the programme and create password for the application process. Do not share the password with anybody. **Please see instructions for filling online application form.**

2. Eligible candidates must complete and submit the application form online only [link available on the Institute website www.bitmesra.ac.in]. Pay application fee of Rs.1,000/- (General / OBC candidates) and Rs.750/- (SC/ST candidates) through ICICI payment Gateway (candidates may use Net banking / Debit card / Credit card of any nationalized bank) till the last date of application process. **Fee once remitted shall not be refunded under any circumstances.**

3. **Please use separate application form for each campus with available branches in order of preference (either at BIT Deoghar or BIT Jaipur or BIT Patna) and in case applying for more than one Campus, pay additional application fee, as applicable.**

4. The choices of branch must be filled-in carefully in prudential order since choices, once filled-in, cannot be modified after submission of application form throughout the counselling process.

Notes:

- Candidates should proceed to fill the Online Application Form only after they satisfy themselves that they fulfill all the eligibility criteria.

- For queries about any Campus, please contact Director of respective Campus. [Please refer directory on the Institute website for contact details of Mesra and its other Off Campuses].

LIST OF DOCUMENTS TO CARRY AT THE TIME OF REPORTING FOR PHYSICAL VERIFICATION OF DOCUMENTS / ADMISSION

1. A print-out of electronically generated online application form.

2. One recent colour photograph – [same as uploaded on the form]

3. Original of the following certificates / documents along with one set of photocopies of all these documents.

   a) Pass certificate of Class 10
   b) Marksheet of Class 10
   c) Marksheet of Class 12 / Intermediate or equivalent
   d) School / College Leaving Certificate
   e) Migration Certificate
   f) **Caste certificate (if applicable), which should be in proper format and signed by appropriate authority of rank not less than SDO.**
   g) Candidates belonging to other special category [Person with Disability / Kashmiri Migrant] must provide the certificate in proper format from appropriate authority.
   h) Photo identification: (Driving license, Passport, PAN Card, Aadhaar Card / Voter ID, School / College ID are acceptable)

SELECTION PROCEDURE

Provisional selection will be based on marks obtained by the candidates in Class 10 and Class 12 (10+2) / equivalent examination [30% weightage to Class 10 marks and 70% weightage to Class 12 (10+2) marks]. However, candidates must meet the age criteria and other minimum academic requirements [refer eligibility criteria] and on various reservation criteria of State and Central Government [refer distribution of seats at each Campus].

REFUND RULES

Candidates at any stage can request for permanent withdrawal from the Campus and initiate refund process of admission fee paid by them, a cancellation fee will be charged as per Institute norms. For details please refer refund rules available on the Institute website.

TOTAL NUMBER OF SEATS, RESERVATIONS AND SEAT DISTRIBUTION

The number of seats to be offered in 2020 in B.Tech. programme at various Campuses is as given below:

Branches	BIT Deoghar Campus		BIT Jaipur Campus		BIT Patna Campus	
	Jharkhand	All India	Rajasthan	All India	Bihar	All India
B.Tech.- CIV	-	-	-	-	15	15
B.Tech.- CSE	45	45	30	30	30	30
B.Tech.- ECE	30	30	30	30	30	30
B.Tech.- EEE	30	30	30	30	30	30
B.Tech.- ITY	-	-	-	-	15	15
B.Tech.- MEC	30	30	-	-	20	20
B.Tech.- PRO	15	15	-	-	10	10
Total	**150**	**150**	**90**	**90**	**150**	**150**

Reservations:

1. For all programmes at the Institute which are supported by any of the respective State Governments, the reservation criteria for the state quota are as per the norms of the respective State Government.

2. For all other programmes the reservation criteria for SC & ST are as per the statutory norms of Central Govt. (SC -15% & ST - 7.5%)

3. The Institute observes statutory reservation for Persons with Disability (5%).

4. Upto 1 seat at all above Off Campuses may be allotted to the candidates who are Sons or Daughters of Kashmiri Migrant who otherwise have qualified for admissions.

5. At BIT Deoghar, BIT Jaipur and BIT Patna Campuses, 50% of the total seats are reserved for candidates who have passed their qualifying examination (Class 12) from the state where Campus is located. (The "State of Eligibility" of a candidate for the purpose will be determined on the basis of location of his/her School / College where he/she has passed the Class 12/qualifying examination). **[In case sufficient numbers of suitable candidates from any group are not available, the Institute reserves the right to fill the seats from the other group].**

However, the final reservation proportion will depend on notification, if any, issued by competent authority and as accepted by the Institute.

Note: Please select the state of eligibility from the prompt while filling the online application form. (Examples):

	State of Eligibility
Class XII / Equivalent Qualifying Examination from Jharkhand	**Jharkhand**
Class XII / Equivalent Qualifying Examination from Rajasthan	**Rajasthan**
Class XII / Equivalent Qualifying Examination from West Bengal	**West Bengal**
Class XII / Equivalent Qualifying Examination from Uttar Pradesh	**Uttar Pradesh**
Class XII / Equivalent Qualifying Examination from Delhi	**Delhi**

Note: Eligible SC/ST, OBC, PwD students admitted to above programmes at any of the Campus should submit their scholarship form in the Scholarship Section of the Campus for the academic year by February for processing scholarship to SC/ST, OBC, PwD students each year, as per UGC guidelines.

SEAT MATRIX

(A): Seat Matrix of BIT Deoghar Campus

State	Branch	OP	OP PwD	SC	SC PwD	ST	ST PWD	BC-I	BC-II	BC PwD	Total
All India	CSE	33	2	6	1	2	1	-	-	-	45
	ECE	22	1	4	1	1	1	-	-	-	30
	EEE	23	-	5	-	2	-	-	-	-	30
	MEC	23	-	5	-	2	-	-	-	-	30
	PRO	12	-	2	-	1	-	-	-	-	15
Sub Total		**113**	**3**	**22**	**2**	**8**	**2**	**-**	**-**	**-**	**150**
Home State	CSE	22	1	3	1	11	1	3	2	1	45
	ECE	14	1	2	1	7	1	2	1	1	30
	EEE	15	-	3	-	8	-	3	1	-	30
	MEC	14	-	3	-	8	-	3	2	-	30
	PRO	7	-	2	-	4	-	1	1	-	15
Sub Total		**72**	**2**	**13**	**2**	**38**	**2**	**12**	**7**	**2**	**150**
G. Totals		**185**	**5**	**35**	**4**	**46**	**4**	**12**	**7**	**2**	**300**

(B): Seat Matrix of BIT Jaipur Campus

State	Branch	OP	OP PwD	SC	SC PwD	ST	ST PwD	Total
All India	CSE	22	1	4	1	2	-	30
	ECE	22	1	5	-	2	-	30
	EEE	21	2	5	-	2	-	30
Sub Total		65	4	14	1	6	-	90
Home State	CSE	22	1	4	-	3	-	30
	ECE	22	1	4	-	2	1	30
	EEE	22	1	4	-	3	-	30
Sub Total		66	3	12	-	8	1	90
G. Totals		131	7	26	1	14	1	180

(C): Seat Matrix for B.Tech. programme at BIT Patna Campus

State	Branch	OP	OP PwD	SC	SC PwD	ST	ST PwD	BC-I	BC-I PwD	BC-II	BC Girls	Total
All India	CIV	11	1	2	-	1	-	-	-	-	-	15
	CSE	22	1	4	1	2	-	-	-	-	-	30
	ECE	22	2	3	1	1	1	-	-	-	-	30
	EEE	24	-	4	-	2	-	-	-	-	-	30
	ITY	11	1	1	1	1	-	-	-	-	-	15
	MEC	16	-	3	-	1	-	-	-	-	-	20
	PRO	7	-	2	-	1	-	-	-	-	-	10
Sub Total		113	5	19	3	9	1	-	-	-	-	150
Home State	CIV	7	-	2	-	-	-	3	-	3	-	15
	CSE	14	1	4	1	-	-	5	-	4	1	30
	ECE	14	1	4	1	-	-	5	-	4	1	30
	EEE	15	-	5	-	-	-	5	-	4	1	30
	ITY	8	-	2	-	-	-	2	1	1	1	15
	MEC	10	-	3	-	1	-	4	-	2	-	20
	PRO	5	-	2	-	-	-	2	-	1	-	10
Sub Total		73	2	22	2	1	-	26	1	19	4	150
G. Totals		186	7	41	5	10	1	26	1	19	4	300

FEE STRUCTURE (2020 BATCH)

Fee payable at the time of admission and in each subsequent semester

Particulars	1st Sem	2nd Sem	3rd Sem	4th Sem	5th Sem	6th Sem	7th Sem	8th Sem
Tuition Fee	108500	108500	120000	120000	132000	132000	145000	145000
Development Fee	7500	7500	8500	8500	9500	9500	10000	10000
Institute Exam Fee	5500	5500	6000	6000	6500	6500	7000	7000
Sub-Total (A):	121500	121500	134500	134500	148000	148000	162000	162000
Hostel Seat Rent* and Electricity, Transportation fee etc. for BIT Patna Campus	13500	13500	14500	14500	15500	15500	16500	16500
Sub-Total (B):	13500	13500	14500	14500	15500	15500	16500	16500
Hostel Seat Rent* and Electricity etc. for BIT Deoghar Campus	13000	13000	14000	14000	15000	15000	16000	16000
Sub-Total (C):	13000	13000	14000	14000	15000	15000	16000	16000
Additional amount to be paid at the time of admission								
Admission Fee (One time only)	15000	-	-	-	-	-	-	-
Caution Money (One time only-Refundable)	10000	-	-	-	-	-	-	-
Sub-Total (D):	25000	-	-	-	-	-	-	-
GRAND TOTAL (A+B+D): for BIT Patna Campus*	160000	135000	149000	149000	163500	163500	178500	178500
GRAND TOTAL (A+C+D): for BIT Deoghar Campus*	159500	134500	148500	148500	163000	163000	178000	178000
GRAND TOTAL (A+D): for BIT Jaipur Campus*	146500	121500	134500	134500	148000	148000	162000	162000

* Payable at the time of admission

Other Notes:

1. Hostel facilities are available only at BIT Deoghar and BIT Patna Campus only. Hostel mess charges may range from approximately Rs.2,500/- to Rs.3,000/- per month.

2. **In addition to the above, students at BIT Deoghar & BIT Patna Campuses will also be required to deposit Hostel Caution Money* (One Time only - Refundable) of Rs.5,000/-. They will also be required to pay suitable mess advance at the beginning of each semester, which will be adjusted against their mess charges / expenditure. For the session July 2020, this mess advance will be Rs. 18,000/- (Rs. 13,000/- for Girls at BIT Patna Campus only).**

3. All payments must be made online using ICICI Payment Gateway through debit / credit card and net banking of any nationalized bank.

4. Students will be expected to provide themselves with stationery and textbooks, etc, as prescribed for different subjects.

5. The Institute reserves the right to revise the fees and other charges at any stage.

6. For rules regarding refund of fees on withdrawal, please see separate Notice on Notice Boards.

PROFILES OF THE CAMPUSES

BIT Deoghar Campus

The Off-Campus Deoghar was established in the year 2007, as a joint venture of the Govt. of Jharkhand and BIT Mesra. It is located in the holy city of Deoghar, Jharkhand. It is a premier educational institute offering undergraduate courses in various engineering streams. It is controlled administratively and academically by Birla Institute of Technology, Mesra at Ranchi. Students are offered the same high-quality educational opportunities and student services as offered at the main campus.

Programs Offered	Seats
Four years Bachelor of Technology (B.Tech.) in	
Computer Science and Engineering	90
Electronics and Communication Engineering	60
Electrical & Electronics Engineering	60
Mechanical Engineering	60
Production Engineering	30
Three years degree programme in	
Bachelor of Business Administration (BBA)	40
Bachelor of Computer Application (BCA)	40

System of Education
Choice Based Credit System (CBCS): A learning platform where in the student has the flexibility to choose his/her course.

Infrastructure
The campus is completely residential having three hostels: two for boys and one for girls with sufficient rooms to accommodate the students. The class rooms are spacious and well lit. The Institute has a voluminous library, with large reading room, catering to the academic needs of the students. The departmental laboratories have latest machines and state-of-art equipments. Some of the major labs are: Simulation & CAD Lab, Language Lab, Strength of Materials Lab, Production Lab, Computer Lab, VLSI Lab, Power System Lab, IC Engine Lab, Control Systems Lab. The major softwares in various departments are: MATLAB, Cadence, Pro-E, ANSYS, LabVIEW, ETAP, PSIM, Power World Simulator. Other than laboratories, there is one Board Room for meetings and Seminar Hall for presentations and/or lectures.
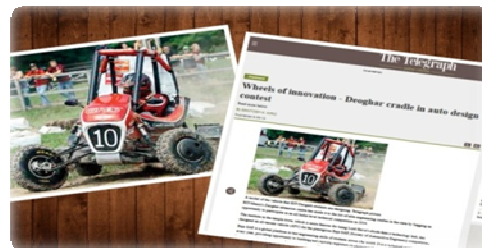

Facilities
The institute provides facilities, within the campus, to meet the daily essentials of students. Some of the in-campus facilities are: ATM, Stationary & Grocery Shop, Canteen, Multi Gym. The institute has a Health Center, having certified doctors and assistants to take care of any health issue of students. There are Badminton, Basketball and Volleyball courts surrounding a large playground.

Clubs & Societies
The institute encourages the complete personality development of its students. There are various clubs and societies to hone their interpersonal and artistic skills. Some of the clubs/societies are: **Music Club, Dance Club, Abhivyakti-The Drama Club, Photographic Society, Robotic Society, Literary Society, Automotive Society, and IEEE Student's Chapter.** The institute organizes its three-day annual techno-cultural fest **"UTTHAAN"** every year in the month of March and one day cultural function **"AGAAZ"** in the month of November. Students participate in various events during these

events, to showcase and improve their skills. The students of Automotive Society participated in the national BAJA-SAE automobile design competition twice and won accolades for the institute. The Photographic Society organizes, each year, a training workshop in association with Nikon. The **IEEE Student's Chapter** is one of the most positive elements of the curriculum, offering programs, activities, and professional networking opportunities that build critical skills outside of the classroom.

The Entrepreneurship Development Cell, BIT Deoghar is one of the most active entrepreneurship cells in Jharkhand. It continuously strives towards motivating the students, giving shape their ideas for initiating startups. *Vamika and Pragya, 2015 batch secured the 1st position in Women Entrepreneur category and Aman Sharma Razdan, 2015 batch and VedantTibrewal 2016 batch, secured 2nd position in the Technical Innovation category of the Start-Up India Jharkhand Yatra 2018. Mr Chandan Kumar Verma, 2014 batch alumnus of BIT Deoghar and founder of Green Factory Pvt. Ltd, received the 1st prize in the District Entrepreneur Award 2019 at the 6th Bihar Entrepreneur Summit 2019.* The EDC BIT Deoghar organizes workshops and invited talks by eminent entrepreneurs for the students to learn from their experiences. *The Dump, a start-up initiated by Vamika& Pragya, is now registered by the State Evaluation Board, of the Department of Information Technology and e-Gov, Govt. of Jharkhand.*

BIT Deoghar has established state-of-the-art Atal Bihari Vajpayee Innovation Lab, one among the prestigious four technical institutes of the state, recognized by the Govt of Jharkhand.

Training & Placement Cell

The BIT Mesra Deoghar Campus has its own T&P Cell that works independently plus in parallel with its main campus BIT Mesra Placement Cell for ensuring successful career pathways of its full bright and diligent pool of students.

The students of BIT Mesra Deoghar campus have the opportunity to participate in recruitment drive of its own campus as well as main & other campuses. These multiple job securing opportunities for our BIT Mesra Deoghar students in turn increases their job earning probability in early part of the placement session.

Placement Record for the final year students (Batch 2016-20):

- Various reputed multinational companies, research institutes; start-ups have visited our campuses and had offered placement opportunities for our BIT Mesra Deoghar Campus students (Batch 2016-20).
- The **highest package** has been **14LPA**and **10 LPA during the sessions 2019-20 and 2018-19**, respectively.
- The **average package** has been **5.02 LPA** and **5.22 LPAduring the sessions 2019-20 and 2018-19**, respectively.
- Till date **80%** Bachelor of Engineering (B.E) eligible students from Batch 2016-20 (CSE, ECE, EEE & ME) have secured their jobs from campus placement drives.
- Furthermore, 23% eligible students have secured double job offers from the campus placement drives.

All eligible students can attend any number of placement processes until or unless he/she secures his/her first job offer. Once placed, students are allowed further for core area companies or dream offers.

Some of our Recruiters:

The T&P Cell strives to give fruitful guidance to all of these differently aspired students in the following ways:

- For the students, those who aspire to travel in foreign countries for higher studies, we have signed MOUs with various foreign universities for starting student exchange programmes for them. This initiative will provide our students with wide exposure for advanced research and development. Our students are also supported with GMAT, GRE, TOEFL & IELTS, etc, crackdown preparations.

- To cater the need of public sector job aspirant students, we have co-partnered with multiple agencies for various competitive exam preparations such as IAS, GATE & CAT, etc,. Furthermore, we have co-ventured with various entities for training and developing the aptitude, technical, presentation and communication skills of our students.

- For Corporate sector job aspired students, we are focussed over strengthening their corporate environment training through a variety of industrial modules. Various online/offline platforms are made available to them for enhancing their communications skills and soft skills. Industrial experts are invited for their fruitful guidance for the same. Many industrial technical persons are invited to give lectures and execute various workshops from their industrial point of view. Special discussions and assistances are also extended towards low scoring section of students.

- We have a team of experts those who prepare questions and answers for scheduling mock interview and tests of our students. After each mock assessment test, students can discuss their difficulties and find particular solutions of it. The provisions for self-assessment tests are also available at our designated labs.

- Furthermore, to engage more and more companies for our campus recruitment processes, we have dedicated team members, who often meet various companies HR officials and technical members for inviting them to our campus placement platform. Hackathons are organised in collaborations with our industrial partners so that they can recognize and hire our intelligent students.

Summer & Winter Training with Internship opportunities:

- The T&P Cell always strives to motivate our students especially pre-final/final year students for availing internships of summer and winter sessions. Internship based training experience add up to their resumes and provides an added advantage for grabbing various industrial job offers. We have signed MoUs with Itenic, Morling Global, BizAugmentor and Smartbrains.

- Our institute has registered with various popular Internship plus Job portals such as Internshala, HireMee, D4EClub, etc, for providing wider scope to our students. Our students had undergone hands on training in various reputed institutes such as CSIR labs, BARC, DRDO, IITs, NITs, & IIMs. Industrial visits are also introduced to boost up exposure levels of our students with current industrial problems and prospective solutions for it in the contemporary world.

BIT Jaipur Campus

Birla Institute of Technology, Jaipur Campus is an integral part of Birla Institute of Technology , Mesra (Ranchi) , it was established in 1995. The focus of the institute is to provide quality education in Engineering, Applied Sciences and Management with technology and professional exposure through innovative programmes & practices. With excellent performance, progressive mind set and good will earned, it is today one of the leading institutes in the field of Engineering, Applied Sciences and Management. The campus is well located in the southern-east part of the city which is an upcoming hub of important installations and development activities in residential, institutional and business areas. The campus is within 5-7 km reach from the airport , railway station and bus stand

Development Vision:

Development is a never ending process, undoubtedly, knowledge spread, innovative concepts, innovative practices and technology breakthroughs are at core of this process. In the professional education domain, it is a two dimensional need for upgrading knowledge and infrastructure - one to understand the fast happening conceptual and technology breakthroughs and second to facilitate new such breakthroughs to take place with more knowledge inputs and basic research. In the present competitive environment, it is now a willing compulsion for a capable and growth-oriented organization to be a part of contemporary development process. With excellent performance, progressive mind set and good will earned, the BIT Jaipur Campus has a long term vision to consolidate its strength and excel in engineering, applied science and management education and research in emerging areas.

Academic Programmes:

Undergraduate:

Bachelor of Technology (B.Tech) in following branches of Engineering :
i) Computer Science & Engineering (CSE)
ii) Electronics and Communication Engineering (ECE)
iii) Electrical & Electronics Engineering (EEE)

BBA, BCA & B.Sc. (Animation & Multimedia)

Postgraduate:

MBA, MCA, & M.Sc. Animation Design

Doctoral: Ph.D. Programme in Computer Science Engineering, Management, Animation and Basic Sciences (Physics, Chemistry & Mathematics)

Main Facilities and Equipment:

Building & Campus: The institute is built up in about 10 Acre land (40000 Sq M) . The built up area is about 6700 Sq M consisting of 14 Class Rooms, 15 Lab Halls, Mechanical Workshop, Seminar Hall (175 Seating Capacity), Common Computer/Internet Access Centre (30 Computers) , Library Hall, Canteen Hall, Indoor Sports & Gymnasium Hall , Music Room , Student Common Hall   and Administrative block. The institute has high speed Wi-Fi facility in whole campus for internet connectivity. Main Student facilities and academic blocks are Air-conditioned.

Lab & Equipment :

The institute has quality lab and software infrastructure. All required advanced lab equipment and software are available in the institute to conduct offered courses along with equipment required for Mechanical Workshop.

Library :

The institute library has good collection of text and reference books along with regular subscription of international & national journals , magazines, newspaper , etc. The digital library is also provided with high end computers. Following resources are available in digital library   :

Online e-Journals & e-books :

Engineering	:	IEEE, Science Direct & ASTM digital Library
Management	:	PROQUEST
Other Training Tools	:	Digital English Language lab

Faculty:

All the faculty members are well qualified and have a good research back ground. Faculty members have been selected as per UGC/AICTE norms and based on high merit standards of BIT, Mesra.   All Selections are made after interview at Main Campus, BIT Mesra and the faculty are placed on regular basis in UGC grade as per 7 th pay commission recommendations.

Student Activities (Technical, Sports & Other Extra Curricular Activities)

The institute has good facilities for various student activities that include sports, technical and cultural events. Three major events are organised every year for development of these aspects. These are Vibrations (Cultural Event), TechVibes (Technical Events) and Cavorts (Sports Event). In addition to these, for technology exposure and professional grooming, the institute has following student forums; IETE student Chapter, CSI Student Chapter, Technical Clubs, Entrepreneur Cell and Industrial Interaction Cell . For physical fitness of the students , the institution has a well equipped Gymnasium & Yoga Centre .

Campus Placement Cell

The campus has a placement cell to guide students about their career plan, to train them and to facilitate their placement in reputed organizations. The Cell also coordinate for the students who opt for higher studies in premier institutions in India and abroad (M.Tech, MS, Doctoral Courses) Excellent relationship with   prospective employers and an intelligent mechanism of analysis of student's interest, strength, weakness , training needs , etc. are the highlighting features of the placement cell. The focus of the placement cell is to train and prepare students in such a way that they are gladly accepted by the best organizations, corporate & industry in India and abroad.

Keeping in view the long term career prospects with scope of learning opportunities, we give high importance to the standing of the employer and offered job profile, undoubtedly a good financial remuneration naturally follows these two basic aspects. Based on high reputation of BIT in academic standards and in grooming students in descent environment , our students are categorized in a special bracket and thus good job profiles with attractive financial package are generally offered to them.

The cell operates in close guidance of the centralized placement division of our main campus at Mesra, Ranchi. Through the coordinated efforts, BIT students are placed in leading corporates and PSUs. The BIT Jaipur Campus has an excellent record of quality placement along with selection of students in premier institutions in the country and abroad for higher studies . Along with the year wise campus placement details , the details of bright career of students has been given on the BIT Jaipur Campus web link with a scrolling title " **Impressive Career Progression of bright BIT Jaipur Campus Students"** .

Alumni Cell

BIT has strong Alumni strength and all students have access to Alumni Knowledge and Placement resources through out the world.

Canteen

BIT Jaipur campus Canteen operate on outsourced contract basis and offers hygienic food services meeting the student satisfaction at very reasonable price. It is Supervised by the committee of BIT students and staff members .   The Canteen hall is air cooled and has pleasant inner and outside ambience .

B.Tech Programme at Birla Institute of Technology, Jaipur Campus

BIT Jaipur Campus has Bachelor of   Technology (B.Tech) Programme in following three disciplines;
1.   Computer Science & Engineering (CSE),
2.   Electronics & Communication Engineering (ECE)
3.   Electrical & Electronics Engineering (EEE)

Information about Computer Science & Engineering (CSE) Department

Overview

Computer science is concerned with the study of the hardware, software, and theoretical aspects of high-speed computing devices and application of these devices to scientific, technological, and business problems. The Department of Computer Science at BIT Jaipur campus is well abreast of latest developments in the area of IT, software development and hardware design and regulary incorporates the same in its academic programmes.

Research Interest & Aim

The thrust research areas for the department at present are the emerging fields of soft-computing and applications, Artificial Intelligence , optimization and control based software, mobile application development, high-level multilingual search, Data mining , Big Data Application, Cognitive Science & social networking etc.

Infrastructural Facilities

The department has eight high-tech computer laboratories having over 400 machines of IBM, Compaq, Dell and HP connected to latest state of the art servers and core i7/i5 desktops. With the objective of giving the students adequate practical exposure, the department has latest versions of all required software. The software available for Computer Science courses are ESET, MS-Office, Windows Server 2012, Rational Rose, Oracle, Auto Cad, MATLAB, C,C++,Java, Python, PHP.

The department has well qualified and experienced faculty , qualified at M.Tech & Ph.D levels. Apart from the regular academics , department regularly organize summer schools and other training courses on the emerging fields of computer science. The eminent academicians and technology experts are invited to deliver lectures on emerging concepts and technologies for updating the vision , knowledge and skill sets of the students and faculty.

Placement Prospects

Based on excellent knowledge base and technical competence the students of the department have an impressive placement record. Many of graduates choose to join some of the best institutions of higher learning around the world, whereas many of them join the reputed IT and leading software industries such as Microsoft, Amazon, Oracle, Samsung, Verizon, SAP Labs, Direct I , FICO, Accolite, AutoDesk etc.

Information about Electronics & Communication Engineering (ECE) Department

Overview

Electronics now days involve in all disciplines of engineering , it provides basic hardware support to Computer Science, basic control and display systems to all kind of instruments and mechanical and electrical machines. Its is backbone of the entertainment and utility devices and gadgets . When it combines with communication , it brings miracle technologies in wire-line and wireless connectivity and networking like ; Satellite Communication, Mobile Communication, Optical Communication, Broad Band SDH & ADSL, Internet and Intranet, Wireless in Local Loop (WLL), Bluetooth, etc. In nut shell, the advancement in the Electronics & Communication Engineering has played the vital role in realization of the concept of `Global Village'

Infrastructural   Facilities

The Department of Electronics & Communication Engineering in the institution conforms to the global scenario with its knowledge base, experience and infrastructure. The department has learned teaching faculty qualified at M.Tech and Ph.D. Levels. It has excellent lab infrastructure in the area of Basic Electronics, Control System & Instrumentation , Integrated Electronics, Analog & Digital Circuits, Semiconductor & Microelectronics, VLSI, DSP, Micro-controller & Microprocessor, Analog & Digital Communication, Optical Communication , Microwaves and Antenna. For research based projects and experimentation, high end test equipment like Network Analyzer and Spectrum Analyzer are available in the Labs . To give students exposure to software based designing, the department has well equipped simulation lab having software simulation tools like CADENCE, MATLAB, MULTISIM, COMSIM, Code Composure Studio for DSP, Lab view with ELVIS Hardware, HFSS Antenna Simulator, Xilinx's ISE Foundation for VLSI design, System Vue, Open IT Guru, etc

Research Interest & Aim

 The department is looking forward to enhance core skill set through research and development in the emerging technologies like; Communication Systems & Networks   Software Defined Radio , Microelectronics & VLSI, Microwave & Milimeter Wave Circuits, Optical Networks & Photonics, Microstrip Antennas, Control & Automation, Signal Processing, Virtual Reality, etc. The faculty and the students of the department has been constantly carrying out research on many cutting edge technologies and regularly publishes in IEEE, Science Direct (Elsevier), Springer, Optical Society (OSA) and other top international journals and conferences. The department also undertakes research projects sponsored by both the government and the industry.

Placement Prospects

Based on excellent knowledge base and technical competence the students of the department have an impressive placement record. Many of graduates choose to join some of the best institutions of higher learning around the world, many of them have been selected in prestigious Indian Engineering Services and many have joined the leading corporates in the area of core electronic design, Automation ,

communication and software development like BSNL, BEL, SanDisk, Xilinx, Intel, IFB, Microsoft, Amazon, Oracle, Samsung, Verizon etc.

Information about Electrical and Electronics Engineering Department

Overview

Electrical Engineering is a core engineering branch and also called as mother branch from which Electronics & computer Science branches derived later on . As such the Electrical Engineering has great legacy of a pioneering engineering branch and all renowned technical institutions and Universities has very rich legacy of research and technological development in this domain. Undoubtedly , it deals with basic need of electrical energy, that is at core of all major technological development in the world, as such it has ever lasting scope of expert engineers and development . Now days all major electrical machines are automated which is a domain of electronics, as such it is important to impart relevant knowledge of Electronics with basic Electrical Engineering Course. When Electrical Engineering combines with Electronics, it opens up large avenues in the area of electrical power generation, distribution and control along with fast spreading domestic applications. This discipline well represents the involvement of technology to fulfil growing need of energy, therefore a vast scope of growth for a technical professional in this domain.

Infrastructural Facilities

The Department of Electrical and Electronics Engineering at BIT Jaipur campus conforms to international standards with its knowledge base, experience and infrastructure. The department has learned teaching faculty qualified at M.Tech and Ph.D. Levels. It has excellent lab infrastructure in the area of Control System & Instrumentation , Power Electronics, Power Systems, Electrical Machines, Transmission & Distribution of Electrical Power, Switch Gear and Protection, Basic Electronics, Integrated Electronics , DSP and Microprocessor . The department has well equipped laboratories and having software simulation tools like MATLAB, MULTISIM, LabView with ELVIS, My Power, ETAP, Ansys Electromagnetic Suite, Infoletica MagNet 2D etc.

Research Interest and Aim

The department is looking forward to enhance core skill sets through research and development in the emerging technologies like; Optimized Power Transmission System, Smart Grid, Solar Energy Systems, Mechatronics, Miniaturization and Automation, Computerized Network ,etc.

Placement Prospects

Based on excellent knowledge base and technical competence the students of the department have an impressive placement record. Many of graduates choose to join some of the best institutions of higher learning around the world and many have joined the leading corporates in the area of core Electrical Design and Operations , Automation and software development like ; NTPC, Reliance Power, BHEL, State Electricity Boards, IFB, Microsoft, Amazon, Oracle, Samsung, Verizon etc.

Some salient features of the B.Tech. Programme at BIT
► A Novel cause of pioneering excellence in engineering education in the country is behind the origin of the institute, different from short sighted causes mushrooming now days in the country.
► International Repute & Recognition of the institute and its courses with accumulated experience of more than 60 years in multiple disciplines covering complete academic hierarchy (UG, PG, Doctoral, Post Doctoral Programmes)
► Consistent high ranking of the institute in the survey conducted by reputed Magazines and rank decided by NIRF (MHRD)
► A pool of expert faculty, selected based on merit and as per UGC norms.
► A large and high profile alumni base, supports institution repute and career of new students
► Complete & Sustainable Infrastructure with regular update
► A supportive Corporate base of the Birla group industries
► Regular course update by experts to consider new technological advancement
► Merit base selection criteria for students, no management or paid seats

► Competent Campus placement Cell with in house facility for skill and personality development, a consistent record of excellent placement and quality work profile offered to students in reputed companies along with selection of students in highly reputed institutions in India and abroad for higher education and research. The placement activities are centrally coordinated by the main campus at Mesra , Ranchi
► Consistent excellent record of student career progression, groomed in sober, disciplined and competent academic environment
► High repute and recognition of BIT degree in India & abroad, the preferred criteria mostly reputed companies follow when scrutinize applications for high profile jobs.

(For details about the B.Tech Programme, department profile and placement profile please visit institute website www.bitmesra.ac.in and then click Jaipur Campus)

BIT Patna Campus

Birla Institute of Technology Patna Campus came into existence in the year 2006 with the initiative of Government of Bihar with a vision to provide quality education for the students of Bihar who wishes to pursue their career in technical education. By far, BIT Patna is one of the best equipped, technically sound professional colleges in the state of Bihar. The campus is well networked. The infrastructure includes 25 Acres of academic space. BIT Patna is committed to provide state-of-the-art facilities to its students.

BIT Patna Campus seeks to attract the best students from diverse background and offer them an excellent educational experience. It offers more flexibility and choice to the students in the academic programmes, option of extra- and co-curricular activities, personality development, life-skills and career planning as the part of holistic development.

The Campus strives to achieve excellence in Teaching, Research and Consultancy by creating an environment in which the faculty and students share a passion for creating, sharing and applying knowledge to continuously improve the quality of education. To keep abreast with latest pedagogy the Institute organizes various International and National Seminar/conferences/ workshops/ FDP/ Short term courses/ Guest lecture etc from time to time.

Programmes Offered at BIT Patna Campus:

BIT Patna provides Four Years **Bachelor of Technology (B.Tech.)** in 07 disciplines, namely EEE, ECE, CSE, IT, MECHANICAL, CIVIL & PRODUCTION Engineering. The total intake capacity of B.Tech. programme is 300, in which 50% seats are reserved for the HOME STATE (Bihar).

BIT Patna also provides Three Years **Bachelor of Business Administration (BBA)**, **Bachelor of Computer Applications (BCA)**, **Master of Technology (M.Tech.)** in CSE & ECE (Wireless Communications) and **Ph.D.** Programme in Science, Engineering and Management.

Facilities at BIT Patna Campus:

Laboratories of different departments are well equipped with latest software and good quality equipments required to provide quality education, research and training.

Central Library of the Institute takes pride in its state-of-the- art library infrastructure and resources, well furnished and spacious reading room forms part of it. The library is equipped with LIBSYS software and enriched with IEEE, ASCE, ASME, EBSCO, J-GATE, SCIENCE DIRECT etc online resources. It offers a wide range of books, national & international journals, periodicals on the subject areas & other research materials.

T & P Cell is well equipped and designed to smoothly handle and support the placement process at every stage. It organizes round the year consultancy & Career Development Programs for the students with the help of professionals & reputed training Institutes.

Various Committees and Cells like **Women Cell**, **Schedule Cast/Schedule Tribes, Anti ragging Committee and Squads** have been constituted as per the norms of regulatory bodies.

Various **In- campus facilities** like State-of-the-art Auditorium, Seminar Hall, Dispensary, Modern Laboratories, Central Library, Play Ground, Well equipped Workshops, Cafeteria, Gymnasium, Fully Networked Campus, Staff- Canteen, Language Lab, Guest-House, Staff Quarters, ATM Service, Transport facility etc are provided to the students of BIT Patna Campus.

Student Activities at BIT Patna Campus:

For the up-liftment and empowerment of the underprivileged children groups, **National Social Services (NSS)** group of the institute organizes various activities like Tree Plantation Ceremony, Blood Donation Camp, Yoga Day and Clean India etc.

BIT Patna harbours students who are recognized for their athletic skills at national and state level. Not only does **Physical Education & Sports** Department of BIT Patna provide the best training facilities for sports activities, but also induces the spirit of sportsmanship in the students. Sports here become one of the most cherished parts for the students. It provides the students with many opportunities to demonstrate their talent on a platform much wider than their immediate peer circle in the form of events like the INTER COLLEGE SPORTS MEET, ANNUAL ATHLETIC MEET and various inter/intra state sports meet. Institute regularly organize Cricket, Football, Soccer, Lawn- Tennis and Basketball Tournaments.

Various **Student's Chapters/ Clubs** like IEEE, ASME, ROBOTICS etc are running for overall development of the students.

Research & Development at BIT Patna Campus:

BIT Patna is committed to make concerted efforts to basic long-term research in frontier areas. Faculty members conduct research projects in thrust areas of Science, Engineering and Management. The Institute has ongoing academic and research activities with the aid of UGC, AICTE, Govt. of Bihar etc. in order to keep pace with expanding frontiers of knowledge and global developments.

To keep abreast with latest pedagogy BIT Patna consistently organizes various **International and National Seminar, conferences** for its students and faculty members. It also organizes workshops, Faculty development programs and short-term courses for its faculty members. Guest lectures by various eminent personalities are also being organized from time to time.

DISCIPLINE, RULES & REGULATIONS, HOSTEL AND MEDICAL EXAMINATION

Institute Rules & Regulations: For details of Institute rules and regulations, please see booklet provided at the time of admission.

Discipline

The Institute places a very high emphasis on discipline of students both inside and outside the campus. Students must abide by the Institute and Hostel rules and agree to confirm to the rules and regulations enforced from time to time. They must not do anything either inside or outside the Institute that will interfere with its orderly governance, discipline and image. Students must attend lectures, tutorials and practical classes regularly. A minimum attendance of 75% in lectures, tutorials and sessionals for each subject is essential for appearing in the Semester Examinations. Thus, students should attend all theory and laboratory classes from the first day of the academic year. In case of absence due to unavoidable circumstances, students are advised to take prior permission from the Dean / Head. In case of absence due to illness, students will have to produce a Medical Certificate with an application from their parents or guardians. In such a case, parents/guardians or Hostel Warden should inform the authorities immediately. Students should strike a proper balance between extracurricular activities and academic requirements. A student's participation in extra-curricular activities should not be allowed to interfere in his/her academic schedule.

During teaching hours, the main lobby, the library, the corridors of the Institute and the area surrounding the Institute are to be observed as silence zones. Students must not cause any disturbance in these zones. Students must not indulge in any kind of misconduct or indiscipline or anti-social activities within or outside the campus. Students must not form a group causing any hindrance to the academic and administrative activities of the College. Those found doing so will be punished and strict disciplinary action will be taken by the authorities. Students shall not damage the property of the Institute. Cost of such damage will be recovered from students, parents/guardians of the students.

Students must always carry their Identity Card and produce it on request. In case of loss or damage of Identity Card, the concerned authorities should be informed immediately.

Students are not permitted to enter and use the laboratory / workshop / sports ground if they do not wear appropriate dress. For example, they should enter the laboratory only with apron, cap or mask as instructed. Students should park their cycles in an orderly manner at the cycle stands. Students should follow the rules of the Hostel Mess / Canteen. Students are advised to read the Notice Boards regularly.

Students are strictly prohibited from possessing or consuming spirits, tobacco products and narcotic drugs either within or outside the campus, and if found violating this will be rusticated immediately, without warning.

Ragging in any form inside or outside the campus is strictly prohibited by law. Any students found ragging other students will be summarily expelled from the Institute and dealt with as per the directive of Hon. Supreme Court/Hon. High Court.

Each student must read the "UGC Regulations on Curbing the Menace of Ragging in Higher Educational Institutions, 2009" on the UGC website. Each student admitted to any of the Institute's programmes must submit the two completed affidavits [one from candidate and one from parents] at the time of admission. [for details please refer last page of this Brochure].

Hostel

Hostel facilities are provided only at BIT Deoghar and BIT Patna Campuses. All students admitted at these Campuses are required to reside in one of the Institute hostels, to which they are allotted and must take food along with other inmates of the hostel in the common mess. There are separate hostels for girls students.

Medical

All selected students will be required to undergo medical examination by a Medical Officer of the Institute and their admission is subject to being found medically fit for the Programme. Therefore, candidates, for their own satisfaction, are advised to get themselves examined by a registered medical practitioner.

Applicability of Regulations for the time being in force, Disclaimer and Legal Jurisdiction:

In Force

Notwithstanding the nature of a programme spread over more than one academic year, the regulations in force at the time a student joins a programme shall hold good only for the examinations held during or at the end of the semester. Nothing in these regulations shall be deemed to debar the Institute from amending the regulations subsequently and the amended regulations, if any, shall apply to all students old or new, as specified therein.

Disclaimer

The statements made in this Information Brochure and all other information, contained herein are believed to be correct at the time of publication. However, the Institute reserves the right to make at any or without notice, changes in and additions to the regulations, conditions governing the conduct of students, requirements for degree, fees and any other information, or statements contained in this Information Brochure. No responsibility will be accepted by the Institute for hardship or expense encountered by its students or any other person for such changes, additions, omissions or errors, no matter how they are caused.

Legal Jurisdiction

All disputes will be subject to jurisdiction of the Civil Courts at Ranchi city only.

ANTI-RAGGING AFFIDAVIT

How can fill Online affidavits and Why?

1. It is mandatory for every student and his/her parents to submit an anti-ragging affidavit at the time of admission. These are UGC's regulations.

2. It is the order of the Hon. Supreme Court that contact details of students must be collected from these affidavits and stored electronically at a central location.

It is a simple procedure comprising 3 steps

Step 1: Log on to

www.ANTIRAGGING.in
or
www.AMANMOVEMENT.org

Click on the button called 'On line affidavits'

Step 2: Fill in the information as desired and submit the form.

Step 3: On successful completion, you will receive affidavits, both for Students and Parents, through E-mail.

Note:
- **If you do not have an E-mail address, please create one before you fill an affidavit forms.**
- If your mother or father or guardian does not have a phone or a mobile phone or email then please give the numbers / email of their friends or relations or neighbors.
- If you do not have a mobile number, then please give the mobile number of your friend in the Institute.

After filling this form successfully, you will receive the Student's Anti Ragging Affidavit and the Parents Anti Ragging Affidavit in your Email. Please print both the Affidavits, sign them yourself, request your parents to read the details and request them to sign their affidavit and then submit both during admission.