Information Brochure for M.Tech Admissions



INDIAN INSTITUTE OF TECHNOLOGY PATNA BIHTA, PATNA, BIHAR - 801106

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A-GENERAL

Message to Candidate

Indian Institute of Technology Patna is an Institution of National Importance and a new addition to the hallowed IIT System that has proven its worth in last 50+ years. The alumni of IIT are internationally known for their caliber and contribution. Since its inception in 2008, IIT Patna-like its young as well as established peers- has pursued excellence with steadfast determination.

IITP has 6 Engineering Disciplines: Civil and Environmental Engineering, Chemical and Biochemical Engineering, Computer Science and Engineering, Electrical Engineering, Mechanical Engineering and Material Science and Engineering; 2 Science Disciplines: Physics and Chemistry; Humanities and Social Sciences; Mathematics. Its faculty members are experts in their respective fields. The thriving PhD, M.Tech and B.Tech programs of IITP see the students and faculty publish prolifically, win competitions, come up with innovations and build societal awareness.

For impact, technology has to understand its vital links with (i) Humanities and Social Sciences, (ii)

Mathematics and (iii) Natural Sciences. Technology can change life if it can acquire "Perspective" from Humanities and Social Sciences, "Technique" from Mathematics and "Foundations" from

Sciences. In IITP, we will strive to achieve this 4-way harmony of Technology, Humanities and Social Sciences, Basic Sciences and Mathematics. The original charter of new IITs, viz., interdisciplinary research and teaching will thereby be addressed.

IITP is strategically placed, geographically speaking. The stretch from Gujarat to Manipur has 11 IITs (Gandhinagr, Jodhpur, Mandi, Ropar, Roorkee, Delhi, Kanpur, Patna, Kharagpur, Bhubaneshwar and Guahati) and a large number of NITs and renowned universities. This sets up a tremendous powerhouse of knowledge and high quality human resource. Additionally, the state of Bihar is rich with tradition and resources, emphasizes education, is blessed with the fertile Gangetic plain and abundant sunlight. This paves way for immense societal impact through agriculture and energy technology, amongst many other possibilities.

IITP has moved to its brand new campus at Bihta, a place with history, about 35 KM from main city Patna. The sprawling 501 acre campus houses four academic complexes for the departments, a Class Rooms Complex, Student, Faculty and Staff Residential quarters, Hospital and School and an impressive Administrative building. The 2015 autumn session in IITP started from the new campus in Bihta.

At this juncture of history, IIT Patna is poised for great things.

Director, IIT Patna

The Institute

Indian Institute of Technology Patna is one of the new IITs established by an Act of the Indian Parliament on August 06, 2008. Patna which was known as Patliputra has been a center of knowledge since long has been attracting visitors and scholars from many parts of the world such as China, Indonesia, Japan, Korea, Sri Lanka, among others. This has been a land of visionaries. Some of the legends from this region include Lord Gautam Buddha, Lord Mahavir, Guru Gobind Singh, the famous astronomer Aryabhatta and the first President of India, Dr. Rajendra Prasad.

IIT Patna has ten departments: These are Computer Science & Engineering, Electrical Engineering, Mechanical Engineering, Chemical and Biochemical Engineering, Civil & Environmental Engineering, Materials Science & Engineering, Chemistry, Physics, Mathematics and Humanities & Social Science departments.

IIT Patna campus is located at Bihta which is approximately 40 kms from Patna. For driving directions and contact details, please point your browser to the following link: http://www.iitp.ac.in/index.php/contact.html

The Institute has developed modern facilities that are fully equipped with the state-of-the-art facilities (equipment software and machines) that are routinely used to train and educate students in the following programs:

B.Tech in five disciplines: Computer Science and Engineering, Electrical Engineering, Mechanical Engineering, Civil Engineering and Chemical Engineering. M.Tech in multi-disciplinary streams with eight specializations:

Mechatronics jointly offered by Departments of Mechanical and Electrical Engineering, Mathematics & Computing jointly offered by Departments of Mathematics and Computer Science & Engineering, Nano Science & Technology jointly offered by Departments of Physics and Chemistry, Computer Science and Engineering offered by Department of Computer Science & Engineering, Communication System Engineering offered by Department of Electrical Engineering, Mechanical Engineering offered by Department of Mechanical Engineering, Civil and Infrastructure Engineering offered by Department of Civil & Environmental Engineering and Materials Science and Engineering offered by Department of Materials Science and Engineering.

Budding research scholars are admitted in the PhD program of this Institute in all ten (10) departments.

As of April 2016, IIT Patna has six hundred seventy students enrolled in its B Tech programs, one hundred sixty one M.Tech students and two hundred fifty nine Ph.D students. Since inception in 2008 and till April 2016, more than four hundred students have been awarded B.Tech. degree, more than seventy five students have been awarded M.Tech. degree and more than 20 research scholars have been awarded PhD degree. As of April 2016, faculty strength of IIT Patna is one hundred one (which includes one DST Ramanujan Faculty Fellow, one Adjunct Faculty, one DST INSPIRE Faculty and one Visiting Professor). Faculty members are supported by more that seventy efficient staff (non-teaching) members. These numbers are anticipated to increase as the Institute is growing at a steady pace. The faculty members of IIT Patna have a wide range of academic and research experience. They have been trained in the top ranked Institutes within the country and abroad.

Research activity in IIT Patna has been published in high quality and peer-reviewed national and international journals. Please browse individual faculty member web-page for more information. Faculty members of IIT Patna have been also participating in national and international conferences of repute.

Academic Calendar - please follow the given link http://www.iitp.ac.in/acad/academic_calendar.php

4. Student Amenities + Hostel Accommodation

Students' Gymkhana

The students' gymkhana of IIT Patna(established in 2008) is the Students' Governing Council consisting of the elected student representatives working for the over-all well being and holistic development of students in the institute.

The elected representatives of the students from each hostel strive to foster growth and leadership among the students by coordinating various events helping to extract the maximum of ones talent. To promote the co-curricular activities and interests, the gymkhana has many clubs and groups dedicated to the interests of the students.



Sports at IIT Patna bring together relaxation and competition getting the best of every player. It organizes various inter-hostel and inter-department competitions.

The blending of different cultures has lent uniqueness to the cultural activities which are organized throughout the year. The organization of various workshops, seminars and various technical activities at IIT P makes learning an enjoyable experience.

IIT Patna currently has one boys' hostel and one temporary girls' hostel in the campus. It also has necessary arrangements for married research scholars. More boys and girls hostels are in the process of construction. The boys' hostel is at a distance of about 1KM from the academic complex and the girls' hostel is situated near the faculty quarters, about 3 KMs from academic complex. Presently over 1200 students are residing in the hostels. Regular bus services have been provided from the hostels to and the academic buildings. Students have access to Wi-Fi connectivity throughout the buildings. In addition to the adequate health care facilities, all the students are covered under Vidyarthi Mediclaim Insurance Policy. The hostel is equipped with gymnasium, TV room and table tennis facilities. Campus has a basketball court, a volleyball court, and badminton court. A football-cum-cricket ground will also be available very soon. There are two students' mess in boys' hostel and one mess in the girls' hostel, along with various food joints and canteen in the Food court. The students elect a student body once every year in the month of April.

Building

The boys' hostel building is a 8-storey structure divided into 4 blocks viz. A,B,C,D. It's spread onto an area of 28849 Sqm. It has 912 rooms, all with a balcony, window, cupboard, and enough niches. The hostel has two common rooms used for recreational and co-curricular activities and a gymnasium. There are total of 6 lifts in the building. Watercoolers are installed on each floor. Fire extinguishers and other safety measures are taken care of. The building can resist high magnitude earthquakes. There are seven more such boys hostels and 2 girls hostels are proposed in the plan.



Gymnasium

Boys hostel has a gymnasium on the first floor along side the common room. It has all the basic exercise equipments like dumbbells, barbells, bench press, etc. It also has other major equipments like tredmills, exercise bike, squat station, hammer strength machine, cables and pulleys, lat pull down machine, leg extension machine and few more.

Mess

Boys' Hostel has two mess halls on the ground floor and girls' hostel has one. They provide breakfast, lunch, snacks and dinner. Messes follow a specific menu for the week. Every month, the mess menu gets changed. Coffee/tea is provided in the breakfast and snacks time. Students elects a mess secretary from all the years to look after mess related issues. Messes are kept clean and work in hygienic conditions.



5. Eligibility Criterion for Admission + General Guidelines

Regular & Full Time Category

The programme is open to candidates of all categories with Bachelor's Degree in Engineering / Technology / M Sc or equivalent professional degrees (AMIE, etc.) and having a valid GATE score. Note: All regular category candidates (except those having B.Tech. degrees from an IIT with a minimum CPI of 8.0) must possess a valid score of Graduate Aptitude Test in Engineering (GATE). Candidates seeking admission to M.Tech. Programme of the Institute shall have to possess a minimum of 60% marks (or a CGPA of 6.5 in 10 point scale) for General/OBC categories and 55% marks (or a CGPA of 6.0 in 10 point scale) for SC/ST categories in the final qualifying examination. All selected candidates have to produce the certificate with regard to the marks secured in the final qualifying examination by 31-10-2017. Reservation of Seats for SC, ST, OBC (Non-creamy layer) and PD categories: As per Govt. of India rules. OBC (including OBC Minorities) (Non-creamy layer) candidates will have to enclose certificate and self-declaration statement as per prescribed format in annexure I, II and III (as applicable) available with the Application form.

Additional Conditions For Candidates Still To Appear In Qualifying Examinations

Candidates still to appear in their qualifying degree examinations may also apply, provided they appear in all their qualifying degree examinations and complete all requirements for their degrees before date of registration to M.Tech programme at IIT Patna in July 2017. If selected, such candidates shall be admitted provisionally, and they will have to furnish the results of their qualifying degree examinations latest by 31-10-2017. Further, they must fulfill the minimum requirements of marks/CGPA/CPI, and other conditions like valid GATE score etc., as mentioned under eligibility criteria for respective programmes. Failure to fulfill any of these requirements, shall automatically result in cancellation of admission

Sponsored Candidates

An applicant employed in an industry or any other recognized organization/institution with at least two years of experience is eligible for admission to the M.Tech. programmes provided the applicant is sponsored by the employer. The applicant should have scored at least 60% marks (or a CGPA of 6.5 in 10 point scale) for General/OBC categories and 55% marks (or a CGPA of 6.0 in 10 point scale) for SC/ST Categories in the qualifying degree examination. For sponsored applicants GATE score is not mandatory and they are not eligible for assistantship. Candidate applying for Sponsored Full-Time categories must be a regular employee of the sponsoring organization with at least 2(two) years of professional experience in the respective field. Selection of these candidates is based on performance in Written Test and/or Personal Interview of short-listed candidates. Performance in Written test and in Personal interview will be the basis for the selection in M.Tech. programmes.

6. Application Categories and Financial Support

1. CATEGORIES OF M.Tech. STUDENTS

The Institute admits M.Tech. students under the following categories:

- i) REGULAR (FULL –TIME) These are students who work full-time for their M.Tech. degrees and receive assistantships from the Institute or fellowship from any other organization funding agency.
- ii) SPONSORED (FULL-TIME) A candidate in this category is sponsored by a organization R&D organization, academic institution, governmental organization or industry for doing M.Tech. in the Institute on a full-time basis. The applicant must be a regular employee of his/her organization with at least two years of experience at the time of admission and be engaged in professional work in the discipline in which admission is sought. He/She will not receive any financial support from the Institute. Sponsorship letter (Form I, available with the application form) must be attached with the duly filled in application form.

Financial Support

(For regular students who are Indian nationals)

- 1. Assistantships are provided to regular students (Indian nationals) at the rate of Rs.12,400/-per month, with valid and qualifying GATE score above the prescribed cut off level for M.Tech. programme. GATE score requirement is exempted for students with Bachelor's degree from an Indian Institute of Technology (IIT) with minimum CPI of 8.0.
- 2. Assistantships from external funding organizations will be available as per terms and conditions of the concerned funding organizations.
- 3. Students receiving assistantships from the Institute or from any other funding agencies are required to perform academic duties as per prevailing norms.
- 4. The continuation of the assistantship is subject to satisfactory performance of the assigned duties and satisfactory progress of the student in the M.Tech. programme.
- 5. Financial assistantship will be for a maximum period of 2(two) years (till the completion of end semester examination of second year)

7. Payment of Fees and Deposits + Fee Structure + Mess Fee

Detailed First Semester Fee Structure of M.Tech. Students

S. No.	Items	Periodicity	M.Tech. Regular, Amount (in Rs.)	M.Tech. Sponsored, Amount (in Rs.)
1.	Admission Fee	One Time	150	150
2.	Grade Card Fee	One Time	150	150
3.	Thesis Fee	One Time	500	500
4.	Provisional Certificate Fee	One Time	100	100
5.	Medical Examination Fee	One Time	100	100
6.	Student Welfare Fund	One Time	200	200
7.	Identity Card Fee	One Time	50	50
8.	Tuition Fee*	Per Semester	5,000	25,000
9.	Examination Fee	Per Semester	350	350
10.	Registration / Enrolment Fee	Per Semester	200	200

11.	Gymkhana Fee	Per Semester	500	500
12.	Medical Fee	Per Semester	100	100
13.	Institute Caution Money	One Time (Refundable)	2,000	2,000
14.	Library Caution Money	One Time (Refundable)	2,000	2,000
15.	Alumni Subscription	One Time	500	500
16.	Training and Placement Fee	One Time	1,000	00
17.	Festival Fee	Per Semester	250	250
18.	Publication Fee	Per Semester	100	100
19.	Lab and Computational charges	Per Semester	500	500
20.	Establishment charges	Per Semester	500	500
21.	Student Benevolence Fund	Per Semester	100	100
22.	Hostel Admission Fee**	One Time	400	400
23.	Hostel Rent**	Per Semester	500	500
24.	Hostel Development Fund**	Per Semester	500	500
25.	Fan, Electricity / Water Charges**	Per Semester	1,500	1,500
26.	Hall Caution Money**	One Time (Refundable)	1,000	1,000
27.	Student Welfare /Brotherhood	Per Semester	50	50
	Fund			
28.	Transport Charges	Per Semester	600	600
	or General / OBC category (1 to 28)	with hostel related fee	18,900	37,900
/deposi				
Total f	or SC/ST Category (1 to 28) with he	ostel related fee /deposit	13,900	12,900
20				
29.	Mess Deposit	One Time (Refundable)	1,500	1,500
30.	Hall Mess Establishment Charges	One Time (Refundable) One Time	1,000	1,000
30. 31.	Hall Mess Establishment Charges Mess Charges (On Advance basis)	()	1,000 12,000	
30. 31. Total (Hall Mess Establishment Charges Mess Charges (On Advance basis) 29 to 31)	One Time Per Semester	1,000 12,000 14,500	1,000 12,000 14,500
30. 31. Total (Total f	Hall Mess Establishment Charges Mess Charges (On Advance basis) 29 to 31) or General / OBC category (1 to	One Time	1,000 12,000	1,000 12,000
30. 31. Total (Total f fee/dep	Hall Mess Establishment Charges Mess Charges (On Advance basis) 29 to 31) or General / OBC category (1 to	One Time Per Semester 31) with mess related	1,000 12,000 14,500 33,400	1,000 12,000 14,500 52,400
30. 31. Total (Total f fee/dep Total f	Hall Mess Establishment Charges Mess Charges (On Advance basis) 29 to 31) or General / OBC category (1 to oosit or SC/ST category (1 to 31) with me	One Time Per Semester 31) with mess related ess related fee/ deposit	1,000 12,000 14,500	1,000 12,000 14,500
30. 31. Total (Total f fee/dep Total f *SC/S	Hall Mess Establishment Charges Mess Charges (On Advance basis) 29 to 31) or General / OBC category (1 to	One Time Per Semester 31) with mess related ess related fee/ deposit	1,000 12,000 14,500 33,400	1,000 12,000 14,500 52,400

Medical insurance Premium Rs. 603.00 should be deposited in cash once in a year.

8. Registration for the M.Tech Programme

- 1. Every student is required to register for approved courses through the assigned Faculty Advisor at the commencement of each semester on the day fixed for such registration and notified in the Academics Calendar. Students who do not registered on the day announced for the purpose may be permitted late registration up to the notified day in the Academics Calendar on payment of an additional fee . The Dean / Associate Dean (Academics) may cancel the registration of one or more courses if they are found to violate rules or if there are restrictions imposed due to disciplinary reasons.
- 2. Only those students will be permitted to register who have:
- a) cleared all Institute, Hostel and Library dues and fines (if any) of the previous semesters,
- b) paid all required advance payments of Institute and Hostel dues for the current semester, and
- c) not been debarred from registering on any specific ground.
- 3. A student who obtains a CPI lower than 6.00 with grade 'DD' in some subjects or grade 'F' in some subjects may be permitted by the Dean/Associate Dean (Academics) on the recommendations of the

DAPC to repeat one or more DD graded subjects along with the failed subjects, provided, the subject(s) is/are being offered therein.

- 4. When a student re-registers for a subject, in accordance with clause 12.3 and above, his/her new grade will be used for SPI calculation, whereas for CPI calculation, the better of the two grades (the old and the new) of that subject will be considered.
- 5. Students may add and drop subject(s) with the concurrence of the Faculty Advisor, and under intimation to the concerned course instructors and the academics section provided this is done within the date mentioned in the Academics Calendar and as per the conditions given in clause 11.3.

9. Evaluation Of M.Tech Projects/Thesis

The evaluation of project/thesis work is carried out in two stages, each spread over a semester. At the end of the every stages (excluding final stage), the student is required to submit a report of his/her work by a prescribed date to the Secretary, DAPC and present it to an Internal Project/Thesis evaluation Committee. After passing of any stage, the subsequent stage of the work is continued in the following semester.

Those who fail in any stage assessment will be required to re-register for that stage in the following semester.

The procedure for submission of M.Tech last stage Project/Thesis and conduct of oral examination are as follows:

The supervisor(s) shall forward a list of examiners (comprising one faculty member from the department, in addition to the supervisor(s) and one member from outside the department or an external expert) to the secretary, DAPC. Following the approval, unbound copies of the thesis (one each for every examiner) shall be submitted to the Department at least one week before probable date of the examination.

The supervisor(s) will fix the date of oral examination; make an announcement (through notices and e-mail) and forward unbound copies of thesis to the examiners. The date of oral examination shall be communicated to the academic section. The oral examination of an M.Tech Project/Thesis shall be held as per announced schedule and it shall be an open one.

The Supervisor/Secretary, DAPC (if Supervisor is not available at the time of oral examination) shall be the convener of the oral examination committee. The committee shall evaluate the project/thesis of the candidate on the basis of presentation of the report, originality of the contents therein, demonstration of equipment model / hardware/ software developed, the oral presentation and oral examination. In case the committee recommends a major revision and recommends a reexamination of the project/thesis, Grade "I" shall be awarded and the student shall be required to continue the project/thesis and resubmit the thesis within a period of two months. In case the committee rejects the thesis, Grade "F" shall be awarded and the student shall be required to reregister for the last stage project/thesis in the subsequent semester. The grade to be awarded to a student shall be evolved be the committee by consensus. The report of the oral examination committee including the grade shall be submitted to the Secretary, DAPC by the committee.

On successful completion of Oral Examination, each student shall submit bound copies of the thesis making corrections, if any, suggested by the examiners (one each to the supervisor(s) and the department) and an electronic copy to the department. Student shall obtain approval of the supervisor(s) before submitting the corrected version of the bound thesis. Secretary, DAPC shall forward the report of the oral examination committee along with the grade to the Dean/Associate Dean(Academic) only on receipt of the bound thesis and an electronic copy from a student. All M.Tech Project/Thesis reports of a batch of students will be copied on a CD for archival purpose and deposited to the Central Library.

The last stage project/thesis work can be extended upto last date for I and X graders conversion as mentioned in the academic calendar of that semester. Non-evaluation of any stage

project/thesis within stipulated time, "F" grade will be awarded automatically and the student shall be required to re-register for that stage of project/thesis in the subsequent semester.

10. Reservation of Seats

As per GoI Rules

B-SPECIALIZATIONS

1. Mechatronics

Mechatronics is a multi-disciplinary study dealing with the integration of mechanical devices, actuators, sensors, electronics, intelligent controllers and computers. Many new generations of consumer or commercial products can be classified as mechatronic products as they involve mechanical as well as electronic components. The need for mechatronic education has grown due to the increase in the number and importance of such systems and devices. The program is designed to provide in-depth knowledge in the fundamentals, design, analysis and operation of mechatronic systems. The courses will be conducted by faculty from both the Mechanical Engineering and Electrical Engineering Departments. Moreover, specialists from overseas and technical staff from industries will be frequently invited to lecture some of the modules.

2. Mathematics & Computing

This course is intended to fill an existing gap in industry and research institutions of a type of trained professionals who would be well trained in Mathematics and Computing both. It has been observed that professionals involved in work involving engineering and technology applications lack a strong background in Mathematics and those professional whose basic training is in Mathematics lack strong computing background skills. This course aspires to fill this gap and at the same time impart rigorous training in fundamental areas of Computer Sciences and Mathematics. There is high demand and need of professional with these skills and hence after completion of this course the candidate are expected to be placed in industry, r & d organization or they may even pursue higher studies

3. Nano Science & Technology

Nanoscience and technology has emerged recently as a promising area in the knowledge bank with lots of scope for innovation to address the challenging problems faced by science, society and humanity. It is basically the study and manipulation of matter properties at sub-micron scale for technological applications in general and challenging applications in particular. It deals with fundamentals and applications of material systems/structures having at least one dimension in the size ranging from 1 nm - 100 nm (nanoscale). It is an interdisciplinary branch of knowledge representing confluence of conventional disciplines like Physics, Chemistry, Material Science, Biology, Medicine, etc. at the nanoscale. This in turn has tremendously impacted our approach towards science and technology in a fundamental way. Modern synthetic chemistry has mad

e it possible to prepare molecules and molecular assemblies with desired morphologies. At the same time, developments in Physics and allied disciplines have provided tools to engineer, visualize and manipulate matter at nanoscale. New properties emerge at the nanoscale which acts as a drive for innovation and in turn holds a key to global economic vitality. The program is designed to provide indepth knowledge in the fundamental aspects of nanoscience and technology with an emphasis on synthesis, visualization and manipulation at the nanoscale. It is expected to prepare students for careers in nanomaterials, nanobiotech, and nano electronics industries. The courses will be conducted

by faculty from Physics and Chemistry Departments. Moreover, experts from industry and academia (both within India as well as abroad) will be frequently invited as guest lecturers for developing a broader perspective on the subject keeping in mind the latest industry requirements.

4. Computer Science & Engineering

The proposed M.Tech (CSE) program is intended to fill an existing gap within the industries and academic institution of trained professionals. The prospective students will be well trained in both the theoretical and application aspects of computer science and engineering.

5. Communication System Engineering: This program is run by the Department of Electrical Engineering.

6. Mechanical Engineering

The department of Mechanical Engineering proposes to introduce a 'M.Tech programme in Mechanical Engineering'. In line with other established IITs, our M.Tech. programme in Mechanical Engineering will allow the enrolled students

to choose one of the three possible streams within Mechanical Engineering: (i) Thermofluids stream, (ii) Solid Mechanics & Design stream and (iii) Manufacturing

stream. The programme coursework requires four core and six elective courses. Two of these four core courses will be common for all the three streams. However, the other two core courses will be stream-specific.

7. Civil & Infrastructure Engineering

Keeping in mind the infrastructure requirements for improved quality of life in a growing society as well as for industry and economic development, the need of the hour is to focus on Civil and Infrastructure Engineering with interdisciplinary approach. The multi-dimensional approach is perceived to close the socio-techno-economical loop by assessing the infrastructure needs accurately, proper decision-making in allocating resources, relating technological supply to socio-economic needs and most importantly, keeping a balance between economic development and environmental impact.

In order to satisfy the current societal needs and growing industry demands, the M.Tech in Civil and Infrastructure Engineering program under the aegis of Department of Civil and Environmental Engineering at Indian Institute of Technology Patna intends to be the forefront of imparting engineering education by amalgamating traditional Civil Engineering with modern Infrastructure Engineering. The program is designed to provide in-

depth knowledge in the fundamentals, design, analysis and implementation of solutions for modern-days Civil Infrastructure problems. Moreover, the program intends to emphasize application-oriented and thesis/project-based learning.

8. Materials Science & Engineering

Materials Science and Engineering (MSE) is an interdisciplinary field of science and engineering which investigates the relationship between the structure, property and processing of materials useful for various influence its properties. It is a discipline that enables both the creation and application of materials in society. Materials scientists and engineers develop materials for new applications, improve existing materials to enhance performance and evaluate ways in which different materials can be used together.

The M.Tech. degree is designed in a way to provide a holistic view on all the classes of materials including metals, ceramics and polymers. The program is intended to provide in

-depth knowledge in the fundamentals, analysis and structure-property correlation of various materials system. The courses will be conducted by faculties from the Department of Materials Science & Engineering (MSE). There will be options also for taking elective courses from within and outside the department.

Moreover, specialists from overseas and experts from industries will be invited to lecture for a few classes in selected modules.

spe	LSI & Embedded Systems: This program is run by the Department of Electrical Engineering. This cialization was recently introduced .VLSI is fully operational with advanced technologies, dware equipments and software.
C –	CENTRE OF EXCELLENCE
	SAIF
	institute has Sophisticated Analytical Instrument Facility. APPENDICES
1.	Fees and Deposits: Please refer to the fee structure
	Refund of Fee: As per the institute rules. Form I
	No objection Certificate (This should be typed on the letter head of the relieving organization)
	Reference No. Date: To, The Director Indian Institute of Technology Patna
	Sub: NOC to an Employee for M.Tech Program
	Dear Sir,
	We hereby notify that, we have no objection to the candidature of Mr./Ms./Mrs. who is an employee in our organization since
	, for joining the M.Tech program in at your Institute as a full-time student.
	We shall relieve him/her from his/her duties in the organization for two years of the M.Tech

program.

Signature and Seal of the **Sponsoring Authority**

4.	Form II –	
	No-Objection Certificate for IIT Patna Project Employee Indian Institute of Technology Patna	
	Reference No.:	Date:
	The Director Indian Institute of Technology Patna	
	Sub: No-Objection Certificate	
	Dear Sir,	
	We have no objection if Mr./Mrs an employee in our or admitted to the M.Tech Program in at your Institute student.	
	We shall give him/her leave of absence to attend class work at IIT- Patna d Program.	uring M.Tech
5.	Designated Authority Form III – Signated	ture & Seal
	No-Objection Certificate for Part-time category (This should be typed on the the sponsoring organization)	letter head of
	Reference No.	Date:
	The Director	
	Indian Institute of Technology Patna	
	Sub: No-Objection Certificate	
	Dear Sir,	
	We have no objection if Mr./Mrs	
	We shall give him/her leave of absence to attend class work at IIT- Patna dur of the M.Tech Program.	ing two years

Sponsoring Authority

E - HOW TO REACH INSTITUTE

Where is IIT Patna located?

IIT Patna has shifted in his own permanent campus which is spread in 500 Acres. It is situated at N25°32′ 0.18" (Latitude) E 084°51′ 16.08" (Longitude) at Globe i.e. at Bihta (Satellite Town of Patna) which is 35 KM west of Patna. The Nearest Railway station is Bihta distance from the campus is 3KM as well as the Nearest airport is at Patna which is 35 KM from the campus. The Climate of campus is Humid subtropical.

How to reach IIT Patna, Bihta from Patna airport or Patna Junction railway station?

The Govt. of Bihar - BSRTC, bus services has been started round-a-clock to IIT Patna, Bihta campus from Patna Junction. Local train facility is also available from Patna Junction to Bihta railway station. Taxi is available from the Patna airport to reach campus.

F - IMPORTANT CONTACT NUMBER

Director	: 0612302 8001
PS to Directorate	: 0612302 8071
Attendant Directorate	: 0612302 8051
Associate Dean, Academic	: 0612302 8101
Associate Dean, Academic, Assistant	: 0612302 8102
Associate Dean, R&D	: 0612302 8291
Associate Dean, Students	: 0612302 8549
Professor Incharge - UG	: 0612302 8197
Professor Incharge - PG	: 0612302 8033

 Registrar
 : 0612302 8002

 PS to Registrar
 : 0612302 8084

 Deputy Registrar (Academic)
 : 0612302 8067

 Assistant Registrar (Academic)
 : 0612302 8697

 Senior Superintendent; Student Affairs
 : 0612302 8707

 Academic Section
 : 0612302 8685