



PLACEMENT BROCHURE 2017-2018
भारतीय प्रौद्योगिकी संस्थान पटना
INDIAN INSTITUTE OF TECHNOLOGY PATNA



“IIT Patna is developing fast and would like to come up as an institute of excellence promoting intelligent, hard working and technically curious minds.”

*Prof. Pushpak Bhattacharyya,
Director, IIT Patna*



We plan to train our students in various industries so that knowledge gained in the academic institute is fruitfully utilized.



FROM THE DIRECTOR'S DESK

Indian Institute of Technology Patna is one of the new IITs established by an Act of Parliament in 2008. The city of Patna, the capital of the State of Bihar, has historical significance. It was a knowledge centre in the past which attracted visitors and scholars from many places all around the world. Some of the historical legends from this region include Lord Gautam Buddha, Lord Mahavir, Guru Govind Singh, the famous astronomer Aryabhata and the first President of India, Dr. Rajendra Prasad.

IIT Patna is developing fast and would like to come up as an institute of excellence promoting intelligent, hard working and technically curious minds. We have already developed state-of-the-art infrastructure including classrooms and laboratories in imparting world class education. We have a wide range of research programmes, and many curricular and extra curricular events to ignite the minds of B.Tech students. In order to raise the quality of our education and research, we have already signed MoUs with leading international universities and some more MoUs are in the process of finalization. We are promoting exchange programmes with the best schools in the world, and also a large number of scientists and technologists have visited IIT

Patna campus during the last four years. I envision developing this institute as one of the top institutes of overall education.

We plan to train our students in various industries so that knowledge gained in the academic institute is fruitfully utilized. In this regard, I would welcome the industries in India and abroad to come forward and train our students so that they can be the future of India and the world at large and IIT Patna can produce competent engineers and scientists with good human values. I would also like to invite all prospective trainers and employers to visit IIT Patna and interact with our students and professors and assess the training and development programmes in IIT Patna. If interested in making an early e-placement/training talks, please let us know the preferred dates. Students have also prepared a booklet to help you understand our academic programmes. I look forward to your whole hearted support and cooperation.

*Prof. Pushpak Bhattacharyya,
Director, IIT Patna*

CONTENTS

About IIT Patna

5

Academics

6

Student Life

10

Address from TPC PIC

15

Placement procedure

16

Past Recruiters

17

Student Exposure

20

Reaching IITP

22

TPC Brigade

24

ABOUT IIT PATNA

We at the Indian Institute of Technology Patna epitomize and the limitless power of creativity and excellence. IIT Patna strives to provide world class education and an intellectually stimulating environment to its students. Nestled in a region that had once been the knowledge capital of the world, IIT Patna is leading Patna and the state of Bihar on the path of rapid development and economic growth in the modern era.

STUDENTS AT IIT PATNA

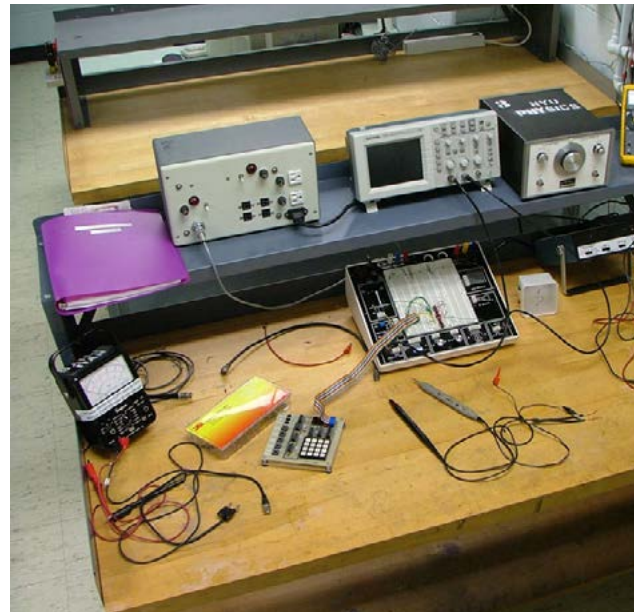
- IIT Patna has a diverse group of students selected through one of the world's most rigorous examinations.
- This is reflected by the fact that only top 1.5% of the students who take entrance exam make it through to IIT Patna.
- Students at IIT Patna bring themselves a culture of excellence and a winning mentality, which is further polished by a highly productive and competitive environment of IIT Patna.

ACADEMICS

B.Tech Programmes

Computer Science and Engineering

Software labs well equipped with licensed software
Hardware lab
Digital design
Computer architecture
Microprocessor interfacing
SAN Storage
Interfacing devices
FPGA boards
Logic design trainer kits



Electrical Engineering

Embedded System Laboratory
VLSI Laboratory
Broad Communication and Networking Laboratory
Communication Laboratory
RF and Microwave Laboratory
DSP Laboratory
Advanced Electrical Engineering Laboratory
Electric Machines Laboratory
Instrumentation and Control Laboratory

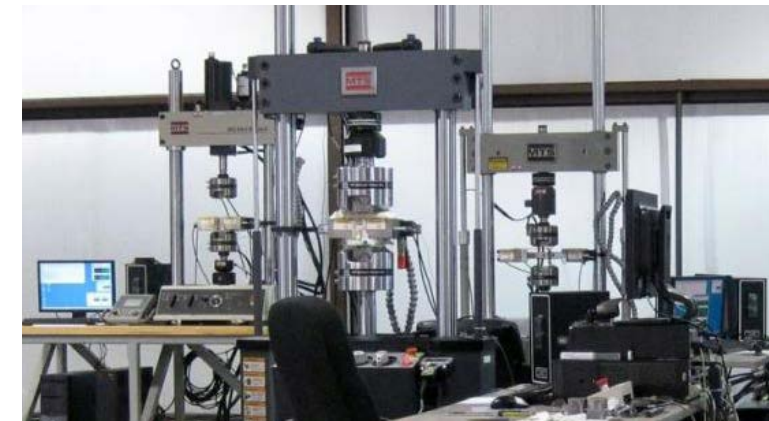
Civil Engineering

Structural engineering and Concrete technology laboratory
Geotechnical Engineering Laboratory
Transportation Engineering Laboratory
Geomatics engineering laboratory
Environmental Engineering Laboratory
CAD laboratory



Mechanical Engineering

Heat and mass transfer lab
Robotics and automation lab
Materials testing lab
Dynamics and vibrations lab
Instrumentation and control lab
Advanced manufacturing lab
Metrology lab
Fluid mechanics/machinery lab
Computational fluid dynamics lab
I.C. engine lab



Chemical Science and Engineering

Unit Operations and Fluid Flow Lab
Heat and Mass Transfer Lab
Chemical Reaction Engineering Lab
Biochemical Lab



ACADEMICS

M.Tech Programmes

Mechatronics

Multi-disciplinary program dealing with the integration of mechanical devices, actuators, sensors, electronics, intelligent controllers and computers.

Computer Science and Engineering

Program is intended to fill an existing gap within the industries and academic institution of trained professionals.

Mathematics & Computing

Program imparts rigorous training in fundamental areas of Computer Sciences and Mathematics.

VLSI Design

Very-large-scale integration (VLSI) is the process of creating an integrated circuit (IC) by combining thousands of transistors into a single chip.

Nanoscience and Technology

Study and manipulation of matter properties at sub-micron scale for technological applications in general and challenging applications in particular.

Communication System Engineering

Program exposes the students in the field of advanced digital communication, wireless communication, etc.

Mechanical Engineering

Program offers core study in Thermofluids stream, Solid Mechanics & Design stream.

Civil and Infrastructure Engineering

Program is designed to provide in-depth knowledge in design, analysis and implementation of solutions for modern day Civil Infrastructure problems

Materials Science & Engineering

Program deals in the relationship between the structure, property and processing of materials.

ACADEMICS

M.Sc Programmes

Mathematics

Mathematics is at the heart of advances in science, engineering and technology, as well as being an indispensable problem-solving and decision-making tool in many other areas of life

Physics

Physics is a natural science that involves the study of the matter and its motion through space time, along the related concepts of the energy and the creation of energies.

Chemistry

The branch of science concerned with the substances of which matter is composed, the investigation of their properties and reactions, and the use of such reactions to form new substances.

PhD Programmes

Ph.D. is offered in all the major disciplines in Engineering, Science and Humanities.

The streams of research in engineering include

Computer Science and Engineering

Electrical Engineering

Mechanical Engineering

Civil Engineering

Chemical and Bio-chemical Engineering

STUDENT LIFE

NJACK

Njack is the Computer Science club of IIT Patna. It is aimed at improving computer technology and coding culture among the student fraternity of IIT Patna by conducting several workshops, events and competitions.

Sparkonics

The club works to introduce students to advanced technical platforms and provide them with a plethora of practical projects. Students gain an early hands-on approach with different technical fields like electronics, embedded systems, communications to name a few. The club also organises workshops and technical events regularly.

Entrepreneurship Club

The club was established with a vision to ignite and inculcate the spirit of entrepreneurship among the students, to encourage them to explore the business side of the products they develop. Regular workshops, lectures are organised that aim to facilitate exchange of knowledge. Guests from the startup world are invited to share their experiences with the community. Very recently, the opening of an Incubation Centre at IIT Patna has immensely increased entrepreneurial activities in and around the campus.



Association of Civil Engineers(ACE)

The club works to expose the students to advancements in civil engineering and provides an environment to achieve milestones in civil engineering research. The club organises programs, workshops, lectures to facilitate exchange of information and informal interaction within the civil engineering community.

Student Council of Mechanical Engineers(SCME)

SCME was founded with the motive of engaging and encouraging Mechanical Engineering discipline related activities in IIT Patna. Since its inception, SCME has been conducting events, lectures and workshops round the year for the benefit of mechanical engineering students. SCME is proud to have developed many projects on Mechanical engineering, Robotics, Automobiles and many more.

Threshold Club(ThC)

Threshold is the chemical engineering club of IIT Patna. The club strives for the advancement of chemical science and engineering. The club's motto is to do everything possible that would help students, be it in academics or any other career related aspect. Apart from chemistry, the club also conducts quizzes of several competitive exams for the benefit of students.

Tinkerer's lab

This club primarily aims to allow free thinking and practical experience without barriers or having the need to take serious permissions. It caters for enthusiasts and idea holders by converting their creative ideas into engineering products. At tinkerer's lab, one can have limitless hands-on experience and spend hours tinkering without any worries.

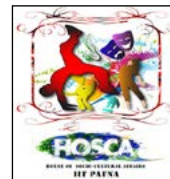
STUDENT LIFE



Anwasha is a Techno-Cultural extravaganza held every year in spring. It involves student volunteers who work by interest and promote creativity through their organization and maintain the brand value of IIT.

Celesta is the annual Techno-Management Fest of IIT Patna. Every year Celesta is a host to a plethora of events and competitions with active participation from the students of IIT Patna.

House of Socio-Cultural Affairs, prevalently known as HoSCA promotes a vibrant and eclectic campus experience through organizing multifarious activities pertaining to the cultural events, bringing students from all walks, interests, and ethnicity together in ways that stimulate lifelong learning and community interaction.

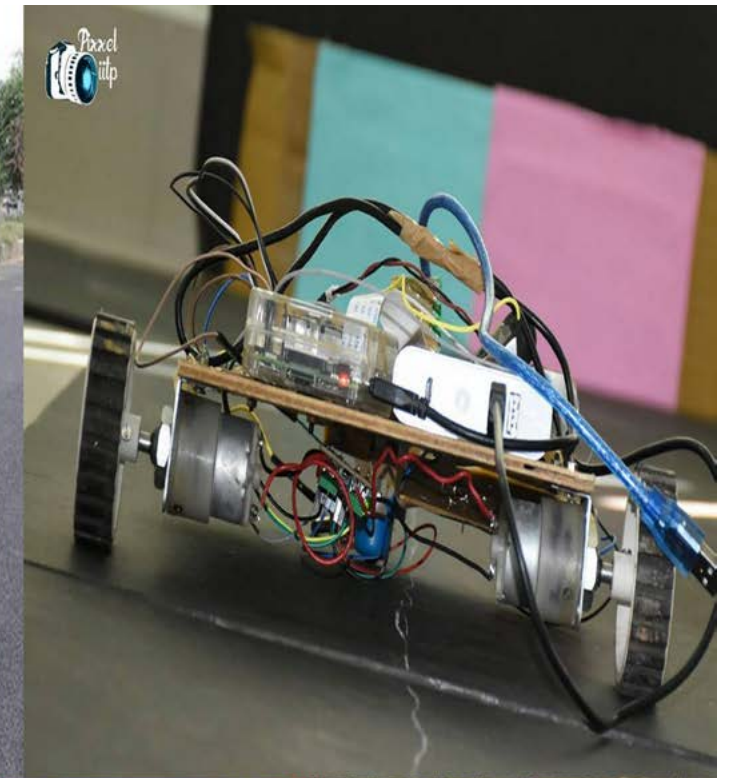


IITs have always been the cradle that groomed many a multifaceted personalities, thanks to those who still cherish the spark despite the academic work load they confront day after day. The founding of House of Literature and Fine Arts produced a platform conducive for nurturing such talents in the students.

Here at IITP, sports are just as important as academic aspirations. Students represent the institute every year in the Inter IIT Sports meet, and other competitions. Experienced coaches help the students reach levels of athleticism, agility, skill and endurance.



Rural Technology Development Club aims to identify the problems prevailing in the rural areas and to develop technologies and devices to address them. The Club strives to fill the technological void existing in the rural areas. Keeping this in mind, the team regularly surveys different villages to understand the problems faced by the rural populace.





"I would request you to kindly visit our campus for selecting candidates of your choice on any date convenient to both of us."

*Dr Amarnath Hegde,
PIC, Training and Placement Cell,
IIT Patna*



The institute looks forward to a long term happy partnership with you.



ADDRESS FROM TPC PIC

On behalf of Indian Institute of Technology Patna, it is my pleasure to invite you to our academic campus to give training to the global leaders and conducting campus selection for our dynamic students. The Indian Institute of Technology Patna (IITP) is one of the premier institutions established by the Government of India in 2008 and has grown enormously during the last nine years. It aims to produce high level scientists and technocrats for the necessity of the modern society.

The Institute has 6 Engineering departments, namely, Computer Science & Engineering, Electrical Engineering, Mechanical Engineering, Civil & Environmental Engineering, Chemical & Biochemical Engineering and Materials Science & Engineering along with basic departments for Physics, Chemistry, Mathematics and Humanities and Social Sciences. The Engineering departments offer B.Tech., M.Tech. and Ph.D degrees. The rigorous entrance procedure ensures that IITs have the best of the country's

brains. The flexible, wide and dynamic curriculum has led to the development of various branches of technology as per interest of students. Apart from regular courses, students are also engaged in various cultural, technical, sports and literary activities throughout the year. We have already developed a number of good modern high level laboratories for practical training of our students.

The Institute has earned for its excellent academic and extracurricular activities in India and abroad. I would request you to kindly visit our campus for selecting candidates of your choice on any date convenient to both of us. The institute looks forward to a long term happy partnership with you.

*Dr Amarnath Hegde,
Professor In Charge, Training and Placement Cell,
IIT Patna*

PLACEMENT PROCEDURE



The TPC sends invitations to the companies.

Company fills up job announcement forms (JAF).



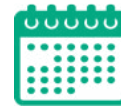
Date for pre-placement talks is finalized by TPC in consultation with the companies.

Students register for various companies.



Companies' officials conduct pre-placement talks.

A Placement Schedule is finalized by the TPC in consultation with the companies.



Placement session begins and company evaluates the students.

List of selected students along with the offer letter is sent to the TPC, Placement session ends.



PAST RECRUITERS

PAST RECRUITERS

Aadobe
Aakash Institutes
Airvana
Analyst Quotient
AG Measurements
Atair India
Alumunus Software
Amazon
Appulse Technologies Pvt. Ltd
Areva Industries
Arista Networks
Aspiring Minds
Avanti Learning
Atomic Energy Regulation Board

Bajaj Auto Ltd
Bank of India
Belzabar Software
BHEL
Bonfiglioli Transmission Pvt. Lt
BOSCH Ltd.
BPCL
Brigade i2i

Browser Stack
BSNL
CAIR
Capgemini
Caterpillar Inc.
CDAC
Chloride Batteries, Singapore
Cisco
CMERI
COMSOL Multiphysics Pvt. Ltd.
Connect IO
COREEL Tech
Coupon Dunia

Dassault Systèmes
Deloitte
Dev Factory
Doodle Blue
Dover India
DRDO

Ernst and Young Pvt. Ltd
EdGate Technologies

EDU Vision
Epic
ezDi Data Intelligence
Finisa
Flytxt

Games Inc.
General Electric
Google

Headstrong
Hero Motor Corp.
HP India Software
HPCL
HSC
Hughes Systique
Hyundai Motors

IBM GBS
I-CEEEIDBRT
ISRO
Indian Navy
IndusValley Partners
Infosys

Inerrea Systems
IOCL
IYC World Soft. Infra. Pvt. Ltd.

JCB India

Larsen & Toubro
LG
Loginext
Lucid India

Mahindra
Masamb Electronics
Megatherm Group
Mentor Graphics
Metalsa
MIC Electronics Ltd
Microsoft
Morgan Stanley
Morphin Machines

National Instruments
Nextag Software Service
NPCIL

PAST RECRUITERS

NTPC

Odessa Tech
ONGC

PayTM
Polaris
Practo
Prizmatic Analytics

RapidBiz Apps
Reliance Communication
Resonance Eduventure
Roposo

Samsung
Sapient Nitro
Sicon Tech
Siemens
Sigmoid
Sokrati Technologies

Sonus Networks
Sun Route Associates
Synopsys

TCS

TATA Motors
TATA Projects
TATA Technologies
Tektronix India Ltd
Texas Instruments
TIFR
Transweb Educational
Tricon Infotech
Trident

United Health Group

Yodlee Infotech

Wipro

Zeus Infotech
ZS Associates

INTERNSHIPS

ACADEMIC INTERNSHIPS

- » Stanford University, USA
- » University of New South Wales, Australia
- » LIMSI, Orsay, France
- » University of Tokyo, Japan
- » TU Darmstadt, Germany
- » NTU, Singapore
- » NUS, Singapore
- » IHPC, Singapore
- » University of Denver
- » Indiana University Maurer School of Law-Centre, USA
- » National Tsing Hua University, Taiwan
- » Singapore University of Technology
- » IISc Bangalore
- » IIT Bombay

INDUSTRIAL INTERNSHIPS

- » Maruti Suzuki
- » Tata Iron and Steel
- » Larsen & Toubro
- » Microsoft
- » Adobe
- » DRDO
- » NTPC
- » BHEL
- » IRCON
- » Qualcomm
- » HPCL
- » IOCL
- » Bosch
- » BSNL
- » CISCO
- » Amazon
- » Google
- » NextOrbit
- » Cadence

STUDENT EXPOSURE

MOUs

 THE UNIVERSITY OF AUCKLAND NEW ZEALAND <small>Te Whare Wānanga o Tāmaki Makaurau</small>	 WRIGHT STATE UNIVERSITY	NATIONAL INFORMATICS CENTRE 
 UNIVERSITY OF HARTFORD	 AALBORG UNIVERSITET	 TÉCNICO LISBOA
 LSU <small>LOUISIANA STATE UNIVERSITY</small>	 NUS <small>National University of Singapore</small>	 Tektronix
 Università Ca' Foscari Venezia	 UNIVERSITY OF SASKATCHEWAN	 unicef

REACHING IIT PATNA

JPNI Airport, Patna, Bihar to Indian Institute of Technology Patna



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JPNI Airport

Shaheed Pir Ali Khan Marg, Near sheikhpura, Patna, Bihar 800014

Take Anisabad-Jagdeo Path Rd/Jagdeo Path-Anisabad Rd to NH139/NH922 in Phulwari Sharif

1. Head north-west towards Shaheed Pir Ali Khan Marg
2. Turn left onto Patna Airport - Ashiana More Rd (Pass by Bihar State Milk Co-operative Federation Ltd. (on the left))
3. Turn left
4. Turn right onto Icar Parisar Rd
5. Turn left onto Anisabad - Jagdeo Path Rd/Jagdeo Path -Anisabad Rd

Follow NH922 to Bihta Rd/Bihta-Sakaddi Rd in Bihta

6. Turn right onto NH139/NH922
7. At Phulwari Sharif Cir, take the 3rd exit onto NH922 (Go past the petrol station (on the right in 1.2 km))
8. At the roundabout, take the 1st exit and stay on NH922

Continue on Bihta Rd/Bihta-Sakaddi Rd to your destination in Dealpur Daulat

9. Turn left at Bihta Chowk onto Bihta Rd/Bihta-Sakaddi Rd
10. Bihta Rd/Bihta-Sakaddi Rd turns slightly right and becomes Bikram - Bihta Rd
11. Continue straight onto Bihta Kanpa Rd
12. Turn right
13. At the roundabout, take the 2nd exit
14. At the roundabout, take the 1st exit
15. Turn right

Indian Institute of Technology Patna

Bihta, Patna, Bihar 801103

REACHING IIT PATNA

Patna Junction to Indian Institute of Technology Patna



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Patna Junction

Fraser Road Area, Patna, Bihar 800001

Take Bailey Rd/Jawahar Lal Nehru Marg and Danapur - Patliputra Jct Rd to Danapur - Khagaul Rd/Khagaul Rd/Painal - Danapur Rd in Danapur Nizamat, Danapur

1. Head north-east on Patna Jct towards Fraser Rd
2. Turn left onto Patna Airport - Ashiana More Rd (Pass by the park (on the left))
3. Turn left at Lok Nayak Jai Prakash Bhavan onto Bailey Rd /Jawahar Lal Nehru Marg/New Dak Bungalow Rd (Pass by IDBI Bank ATM (on the left))
4. At the roundabout, take the 3rd exit onto Bailey Rd/ Jawahar Lal Nehru Marg (Go past the petrol station (on the right in 1.2 km))
5. Slight right after Patna Golf Club (on the left)
6. Slight right onto Bailey Rd/Danapur - Patliputra Jct Rd (Pass by Khyati TVS (on the left in 2.5 km))

Follow NH922 to Bihta Rd/Bihta-Sakaddi Rd in Bihta

7. At the roundabout, take the 1st exit onto

Danapur - Khagaul Rd/Khagaul Rd/Painal - Danapur Rd (Pass by HI TECH EMERGENCY HOSPITAL (on the right))

8. At the roundabout, take the 2nd exit onto NH922

Continue on Bihta Rd/Bihta-Sakaddi Rd to your destination in Dealpur Daulat

9. Turn left at Bihta Chowk onto Bihta Rd/Bihta-Sakaddi Rd
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Indian Institute of Technology Patna

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TPC BRIGADE

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भारतीय प्रौद्योगिकी संस्थान पटना

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