



PLACEMENT BROCHURE 2018-2019

**भारतीय प्रौद्योगिकी संस्थान पटना
INDIAN INSTITUTE OF TECHNOLOGY PATNA**



*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.

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



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*

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ABOUT IIT PATNA

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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.

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STUDENTS AT IIT PATNA

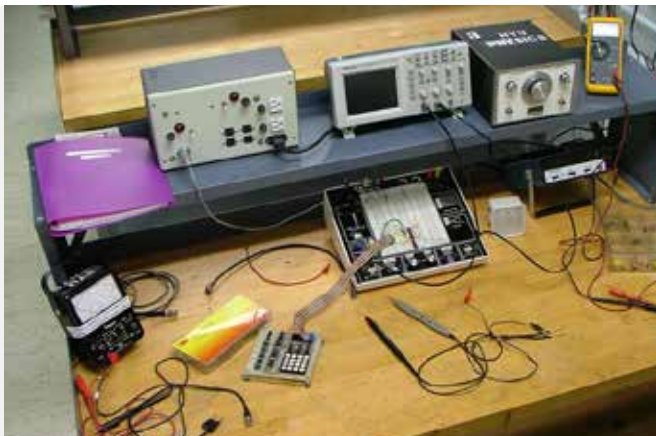
- IIT Patna has a diverse group of students selected through one of the world's most rigorous examinations.
- This is reflected by the fact that only top 1.5% of the students who take entrance exam make it through to IIT Patna.
- Students at IIT Patna bring themselves a culture of excellence and a winning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



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.

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



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.



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.



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



Anwesha 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.

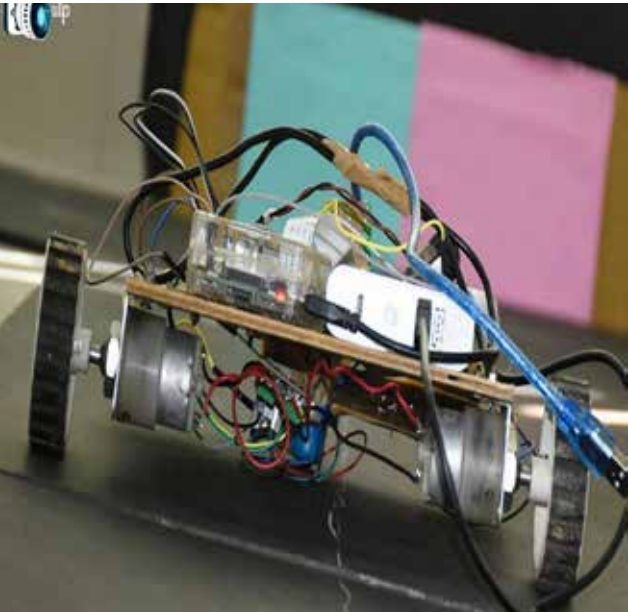


IITs have always been the cradle that groomed many a multifaceted personalities, thanks to those who still cherish the spark despite the academic work load they confront day after day. The founding of House of Literature and Fine Arts produced a platform conducive for nurturing such talents in the students.

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.





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

“ 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.



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.



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



Companies' officials conduct pre-placement talks.



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.



Company fills up job announcement forms (JAF).



Students register for various companies.



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



PAST RECRUITERS

PAST RECRUITERS

A dobe 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	Browser Stack BSNL C AIR Capgemini Caterpillar Inc. CDAC Chloride Batteries, Singapore Cisco CMERI COMSOL Multiphysics Pvt. Ltd. Connect IO COREEL Tech Coupon Dunia D assault Systèmes Deloitte Dev Factory Doodle Blue Dover India DRDO E rnst and Young Pvt. Ltd EdGate Technologies	EDU Vision Epic ezDi Data Intelligence Finisa Flytxt G ames Inc. General Electric Google H eadstrong Hero Motor Corp. HP India Software HPCL HSC Hughes Systique Hyundai Motors I BM GBS I-CEEEIDBRT ISRO Indian Navy IndusValley Partners Infosys
B ajaj Auto Ltd Bank of India Belzabar Software BHEL Bonfiglioli Transmission Pvt. Lt BOSCH Ltd. BPCL Brigade i2i		

PAST RECRUITERS

Inerrea Systems IOCL IYC World Soft. Infra. Pvt. Ltd.	NTPC O desa Tech ONGC P ayTM Polaris Practo Prizmatics Analytics R apidBiz Apps Reliance Communication Resonance Eduventure Roposo S amsung Sapient Nitro Sicon Tech Siemens Sigmoid Sokrati Technologies Sonus Networks Sun Route Associates Synopsys	T CS TATA Motors TATA Projects TATA Technologies Tektronix India Ltd Texas Instruments TIFR Transweb Educational Tricon Infotech Trident U nited Health Group Y odlee Infotech W ipro Z eus Infotech ZS Associates
J CB India L arsen & Toubro LG Loginext Lucid India M ahindra Masamb Electronics Megatherm Group Mentor Graphics Metalsa MIC Electronics Ltd Microsoft Morgan Stanley Morphin Machines N ational Instruments Nextag Software Service NPCIL		

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

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

Indian Institute of Technology Patna

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TPC BRIGADE

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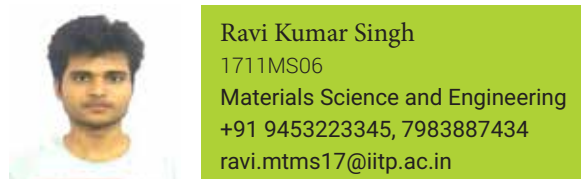
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