



PLACEMENT BROCHURE

2020-2021



भारतीय प्रौद्योगिकी संस्थान पटना
INDIAN INSTITUTE OF
TECHNOLOGY PATNA



Equipping for Success in Career and Life

One who aspires wisdom, attains it
विद्यार्थी लभते विद्याम्





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ABOUT 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. Completing its ever-blossoming 12-year-old existence in the country this August, Indian Institute of Technology (IIT) Patna is an institution of national importance nurturing innovation and excellence amongst the student community to develop researchers and leaders and empower the country with their contributions in various disciplines in the future.

Currently, the Institute has developed modern facilities that are fully equipped with 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 Six disciplines: Computer Science and Engineering, Electrical Engineering, Mechanical Engineering, Civil Engineering, Chemical Engineering, Metallurgical & Materials Engineering.

M.Tech. in multi-disciplinary streams with Nine specializations: Mechatronics, Mathematics & Computing, Computer Science and Engineering, Communication System Engineering, Mechanical Engineering, Civil and Infrastructure Engineering, Materials Science and Engineering, VLSI & Embedded System & Chemical Engineering.

M.Sc. in three disciplines: Chemistry, Physics, and Mathematics.

Budding research scholars are admitted in the Ph.D. program of this Institute in all ten (10) departments. As of August, a cohort of approximately 2,000 people constitutes the IITP fraternity, of which around 1,600 are students. Every year, an average of 350 students pass out of the institute which moves to serve and lead in renowned research and corporate organizations. IIT Patna is strategically placed with Bihta railway station, 2 km away from the main gates. The JPN International Airport, Patna is about 30 km by road. On 15th July 2015, IIT Patna moved to its brand-new campus at Bihta, a place about 35 km from Patna. The sprawling 501-acre campus houses four academic complexes for the departments, a classroom complex, tutorial block, students, faculties and staff's residential quarters, hospital, school and an impressive administrative building.



*“I am not handsome but I can give my hand to someone who needs help...
Because beauty is required in the heart, not in face...”*

- APJ Abdul Kalam

“ Our Students Excel Both in Knowledge & Leadership Skills. ”

FROM THE DIRECTOR'S DESK



Prof. Pramod Kumar Jain

Director,
Indian Institute of Technology Patna

The Indian Institute of Technology Patna is one of the new IITs established by an Act of the Indian Parliament on August 6, 2008 and is recognized as an Institute of National Importance by the Government of India. **Currently, IIT Patna has ten departments which offer B.Tech., M.Tech., M.Sc., and Ph.D. programs. Since its inception, IIT Patna has pursued excellence with steadfast determination.** The Institute has developed modern facilities that are fully equipped with state-of-the-art facilities that are routinely used to train and educate students. Also, we keep our curriculum updated and provide ample extra-curricular opportunities for the students. As a result, our students excel both in knowledge and leadership skills.

Patna has been a center of knowledge and a land of visionaries since long and has been attracting visitors and scholars from many parts of the world. 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 strives to carry the baton passed through these visionaries to become a beacon of knowledge and wisdom.

IIT Patna invites the recruiters to the Campus Recruitment Program for 2020-21 Batch, to give this batch of graduating students an opportunity to prove themselves and to add value to the organizations they join. We assure you that this will be a positive experience for the recruiters and a step forward in improving upon past relations and building new ones.

*I welcome you to become a part of our story and to form a **long-lasting** association with the **Institute**.*

Training and Placement Cell



Dr. Jose V Parambil

Professor In-Charge
Training and Placement Cell

We have 6 Engineering departments, namely, Computer Science & Engineering, Electrical Engineering, Mechanical Engineering, Civil & Environmental Engineering, Chemical & Biochemical Engineering, and Materials Science & Engineering along with departments for Physics, Chemistry, Mathematics and Humanities and Social Sciences. The institute offers B.Tech, M.Tech, M.Sc., and Ph.D. programs in these disciplines. All UG and PG programs have up-to-date contents and opportunities for industrial training and research. Our students have taken part and proven their mettle in several national and international events, both technical and cultural.

They are active throughout the year in running about a dozen clubs on campus, each focusing on a different issue, ranging from social upliftment of rural areas to robotics and artificial intelligence. The students also organize two annual events on the campus, Anwesha – an intercollegiate cultural competition and Celesta – a techno-management event. IIT Patna has committed its resources to the upbringing of well-trained students capable of serving the community. Towards this, we have established excellent

ADDRESS FROM TPC PIC

The Indian Institute of Technology Patna has made rapid progress in academic and research realms since its inception in 2008. It is my pleasure to invite you to our campus for recruiting the final year students in the 2020-21 session.

teaching and research laboratories, attracted faculty members with international exposure, provided continuous support to technical, cultural, sports, and literary events, and signed MoUs with industrial and academic collaborators. As an institute, we yearn to trigger the creativity and intellect of students, along with imparting soft skills such as teamwork and communication.

We expect that our students will work in reputed companies under stimulating and challenging environments. Hence, the Training and Placement Cell of IIT Patna would like to welcome you to visit our campus for selecting candidates for placement. We will provide all possible logistical assistance for the smooth conduct of the recruitment processes, including pre-placement talks, screening tests, interviews, and any other relevant selection processes. We have a dedicated team and facilities for supporting you in this. I humbly request you to consider our students as potential employees of your organization. Kindly feel free to get in touch with us for any clarification and support.

ACADEMIC PROGRAMMES

The standard of an educational institute depends on the quality and integrity of its academic work. Academic integrity is a commitment to five fundamental values: Honesty, Trust, Fairness, Respect and Responsibility as defined in a document of ICAI (Int. Center for Academic Integrity 1999). IIT Patna will maintain high standard of academic integrity, while striving for excellence in teaching and research.

Under Graduate Programme **B.Tech.**



The B.Tech programme consists of eight semesters spread over the duration of **4 academic years**. For students with a financially weak background, merit-cum-means scholarship is provided by the institute on merit.

DURATION : 4 YEARS INTERNSHIP : 2 MONTHS

- Computer Science and Engineering
- Electrical Engineering
- Civil Engineering
- Mechanical Engineering
- Chemical Engineering

Post Graduate Programme **M.Tech.**



The M.Tech programme consists of four semesters spread over the duration of **2 academic years** where it has the following disciplines:

DURATION : 2 YEARS INTERNSHIP : 6-12 MONTHS

- Mechatronics
- Mathematics & Computing
- Computer Science & Engineering
- Chemical Engineering
- Civil & Infrastructure Engineering
- Materials Science & Engineering
- VLSI & Embedded System
- Mechanical Engineering
- Communication System Engineering



Post Graduate Programme **M.Sc.**

The M.Sc programme consists of four semesters spread over the duration of 2 academic years where it has the following disciplines ; mathematics, physics and chemistry. Students are admitted to the M.Sc. programme through JAM.

DURATION : 2 YEARS THESIS DURATION : 1 Year

- **Physics**
- **Chemistry**
- **Mathematics**



Ph.D Programme **Doctorate**

The Ph.D. Program in IIT Patna has started in engineering, science and humanities & social sciences departments since July 2009. Students enrolled in Ph.D program in IIT Patna are guided to do high quality research. Relevant departments are equipped with state-of-art research equipment and have access to peer reviewed journals.

Ph.D. Supervisors in IIT Patna are committed to mentor research scholars and groom them for successful careers.

IIT Patna publishes Ph.D program advertisement twice a year (in the months of March-April and September-October) on the internet as well as newspaper. Admission in Ph.D program of IIT Patna to all categories of students is granted on the basis of interview/admission test held tentatively in the month of December and May - July every year.

IIT Patna also promotes and encourages interdisciplinary research, in which case two or more departments and centres contribute to innovative and cross-boundary research. Faculty members from various departments, centres and schools across the campus are exploring research areas that must involve extensive interaction of different traditional disciplines.



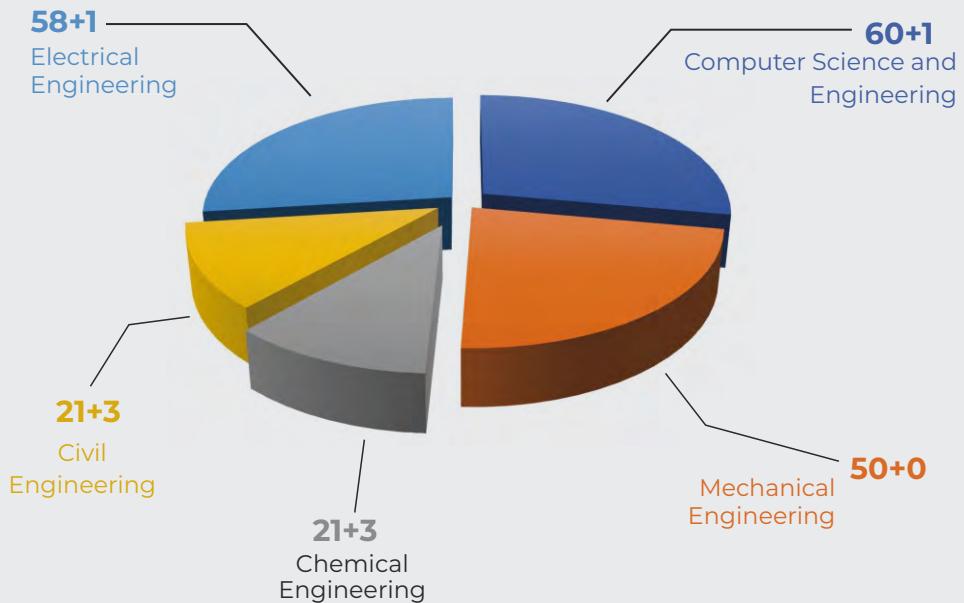
*"Success...seems to be connected with action.
Successful people keep moving.
They make mistakes, but they don't quit"*

- Conrad Hilton

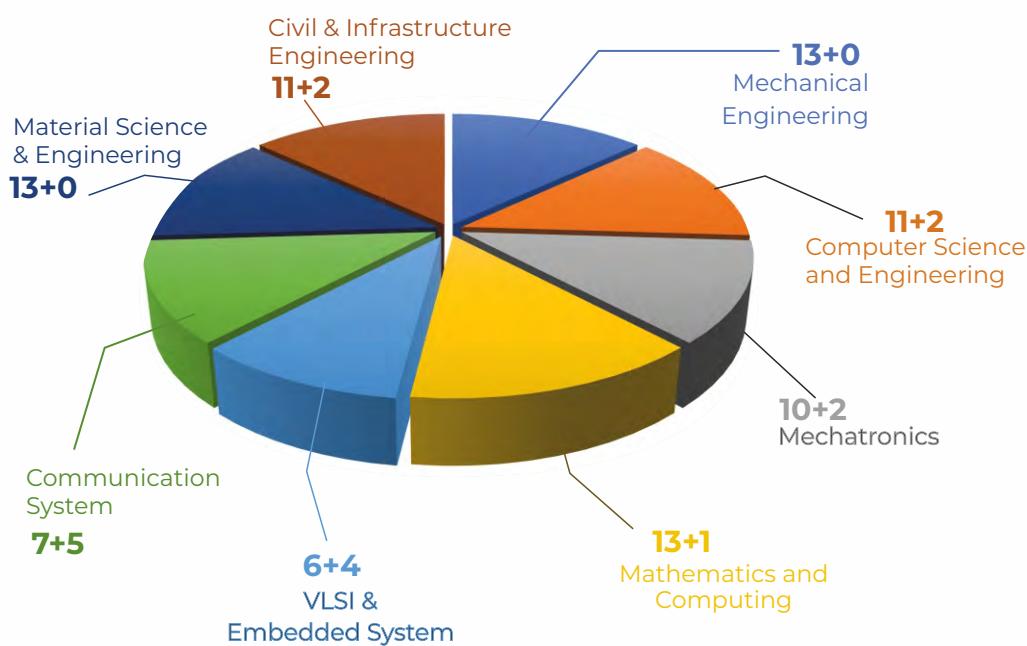


DEMOGRAPHICS

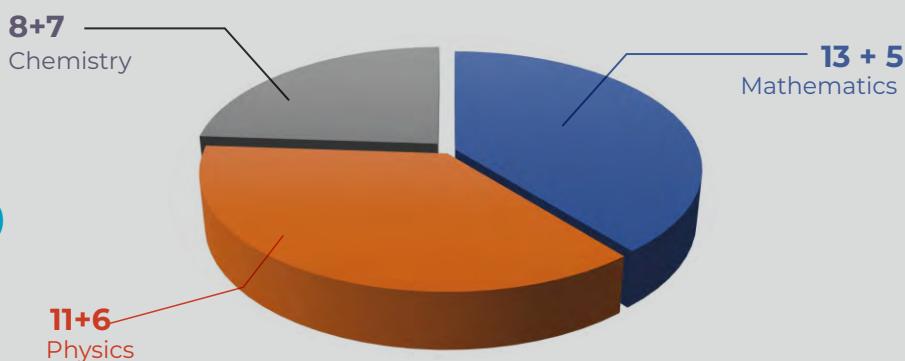
B.Tech. (Male + Female)



M.Tech. (Male + Female)



M.Sc (Male + Female)





DEVELOPERS STUDENT CLUB

Developer Student Clubs IIT Patna, powered by Google Developers, is a non-profit community that aims to inspire intelligent minds in the field of technology. It provides opportunities where developers, designers and managers work together to carry out real-time projects.

It is open to any student, ranging from novice developers who are just starting to advanced developers who want to further their skills. It is intended to be a space for students to learn and collaborate as they solve real-world problems. In a desire to introduce creativity into technology, designers at DSC collaborate with the developers and managers to bring out effective executions. Students here have worked on real-time projects that use Web dev, ML, Blockchains, IoT and much more making us one of the best technical chapters of IIT Patna.

- <https://dsciitpatna.github.io/>
- <https://facebook.com/dsciitpatna>



Students Activities



NOT JUST ANOTHER COMPUTER SCIENCE Klub!

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.

- <https://njack.iitp.ac.in/>
- <https://facebook.com/njack.iitp>



Students Activities



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.

<https://fb.com/TInkerersLabIITP>



AI-NLP-ML Group

The Artificial Intelligence-Natural Language Processing-Machine Learning (AI-NLP-ML) Group at Department of Computer Science and Engineering, IIT Patna has started its official journey in June, 2015. The group is dedicated to exploring the frontiers of Artificial Intelligence, Machine Learning and Natural Language Processing under the able guidance of Prof. Pushpak Bhattacharyya. The group also consists of other two faculty members, Dr. Asif Ekbal and Dr. Sriparna Saha, and around 45 members including Research scholars, Research engineers, Lexicographers, B.Tech & M.Tech students. Several industry sponsored projects are currently being undertaken.

- <http://www.iitp.ac.in/~ai-nlp-ml/>
- <https://facebook.com/ainlpmliitp/>



T E C H N I C A L
S O C I E T Y

TECHNICAL CLUBS



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 organizes workshops and technical events regularly.

- <https://sparkonics.iitp.ac.in/>
- <https://facebook.com/sparkonics>



Students Activities



SCME Student Council of Mechanical Engineers

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 around 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.

- <https://facebook.com/SCMEIITP>



Students Activities



ROBOCON

DD-Robocon 2020 Stage 1 results are out !! Team Phoenix IIT Patna is feeling proud to announce that we scored an astonishing 99 out of 100 points and qualified for the Stage-2 From ashes of despair, amidst the flames, the rises the Phoenix. Students' Gymkhana, IIT Patna congratulates - Team Robocon IIT Patna Team Phoenix for its ferocious performance in Robocon round 1, scoring 99/100 ahead of all other IITs. The Phoenix is resurrecting.

[f https://fb.com/teampheonixiitp](https://fb.com/teampheonixiitp)



IITP Motorsports

IITP Motorsports is a reputed team to design and manufacture one of the finest formula racing cars from India. Eventually, our car shall only remain the best designed India car, but unfortunately not the best manufactured one. The team from IIT Patna is taking part in SUPRA SAEINDIA since 2014. The project puts forward the task of designing, manufacturing, raising funds, marketing, logistics, extensive testing and racing, on the shoulders of our dedicated, skilled and determined team members.

- <http://iitpmotorsports.in/>
- <https://fb.com/iitpmotorsports>



T E C H N I C A L S U P P O R T C L U B S

TECHNICAL CLUBS



ACE Association of Civil Engineers

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 organizes programs, workshops, lectures to facilitate the exchange of information and informal interaction within the civil engineering community.

🌐 <https://www.iitp.ac.in/ace/>



Students Activities



CHESSx

Chemical Engineering is a highly open-ended and flexible area of study with branches extending to economics, biotechnology, electronics, policy making and much more. The CHESSx society is aimed at providing the right support to produce the best chemical engineering graduates of tomorrow. It promotes interaction within the department and implements academic, social and other programs of interest to its members.

🌐 <https://facebook.com/chemicaliitp>





CULTURAL CLUBS AND SOCIAL INITIATIVE



HOSCA (House of Socio-Cultural Affairs):

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.

<https://www.iitp.ac.in/hosca/>

<https://fb.com/iitp.sociocultural>

NSS (National Service Scheme) IIT Patna:

The National Service Scheme of IIT Patna is an initiative to bring about a change in the Social and Economic forms of the Society. The Scheme runs with a motive to inculcate social responsibility in the youth who will be tomorrow's workforce of the Nation at Institute Level



यावनिका

Dramatics Club
IIT Patna

Yavanika, Dramatics Club, IIT Patna is a well established and one of the oldest clubs of IIT Patna.

<https://fb.com/yavanika.iitp>



Prayatna

Prayatna was inaugurated on 17th Feb 2018 and is all about providing free basic education up to class X level to underprivileged children of our society who are deprived of many resources, education being one of them.

<https://nss.iitp.ac.in/prayatna/prayatna.html>

CULTURAL CLUBS AND SOCIAL INITIATIVE



Exousia (Dance Club):

1. Exousia is the official dance club of IIT Patna where passionate dancers show their moves. Dance club IIT Patna
2. This club is for students who love to dance!
3. A bunch of passionate dancers who come together to make the world around feel the beat with their moves."
4. All forms of dance are welcome. The club members participate in many events inside as well as outside the campus.

<https://fb.com/DanceClubIITPatna>



Quiz Club:

We meet over the weekends for intense brain sparring sessions, pick on each other with unfunny references when we cross paths on campus, close-knit, the self absorbed clan of merry quizzers.

<https://fb.com/QCIITP>



PiXXeL IITP:

It is a photography and filmmaking club of IIT Patna. The place where talent meets the opportunity. It is a growing club with a well structured and established team. By helping the interested ones in both photography and video editing it builds good ambience within and without the club.

<https://fb.com/pixxeliitp/>

Aria (Music Club):

Aria is IIT Patna's music society, where like minded people come together and express themselves through music. In Aria, everyone leaves their bag of worries at the doorstep and be themselves with their friends and indulge themselves by playing their hearts out.

<https://fb.com/musicclubiitpatna>



SAAR:

Students' Association for Alumni Relations (SAAR), has been created to maintain a life-long connection between the Institute and its alumni (more than 1500 at present). The committee works in coordination with the institute to create a platform that helps in connecting the former students with their alma mater. SAAR aims at spending a defined portion of its manpower, intelligence and resources for the betterment of society.

<http://saar.iitp.ac.in>

E-Cell

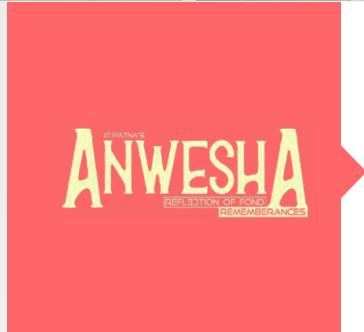
IIT Patna is the organisation run by students and has been established with the objective of creating, manifesting, and guiding the entrepreneurial spirit in the student community and to encourage them to be successful entrepreneurs.

<http://www.ecell-iitp.org>

E-CELL



FESTIVALS



Anwesha:

Anwesha is a 3-day Techno-Cultural extravaganza held every year in spring. It involves student volunteers who work by interest and promote creativity through their organization and organize various fun events and activities, thus making it a quest for everyone to experience and enjoy!

🌐 www.anwesha.info

🌐 <https://fb.com/anwesha.iitpatna>

Celesta:

Celesta is the annual TechnoManagement Fest of IIT Patna. Every year Celesta is a host to a plethora of events and competitions with active participation from students all over India, especially from North-East.

🌐 <https://celestafest.org.in/>

🌐 <https://fb.com/Celestafest.IITP/>



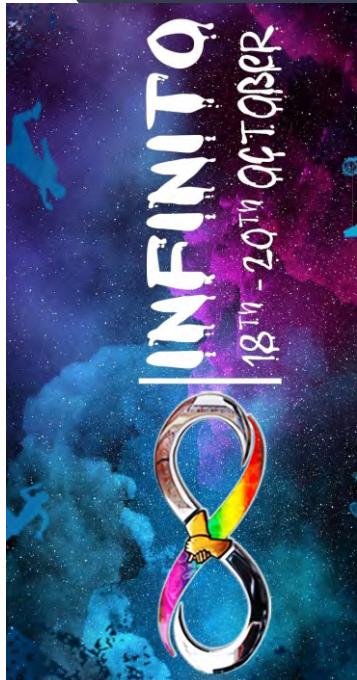
Apeiron:

Apeiron is the Annual Coding Fest of CSE Department of IIT Patna, where a lot of online events were organized with massive participation from all over the world (1500+). It involved events from different domains of Computer Science like Linux Desktop Customization, Hacking Challenge, Mystery Language, CodeGolf, CodeSprint, etc. Each of the challenges was applauded by the programming community worldwide.

🌐 <https://apeiron.iitp.ac.in>

🌐 <https://fb.com/njack.iitp>

FESTIVALS



Infinito:

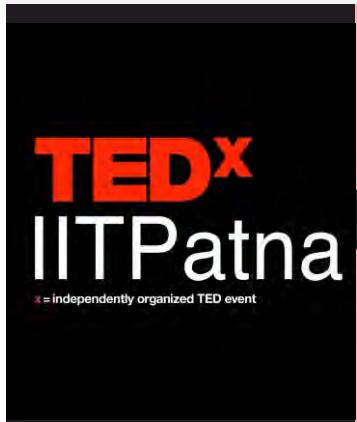
Infinito is the annual sports fest of IIT Patna. Once a humble initiative, after just three editions, Infinito has already grown into the biggest and most awaited sports fest of Bihar. It is an endeavour to ensure that no talent goes unnoticed. Through Infinito, we provide people a platform where they can not only display their skills but also learn and develop the qualities of a true sportsman. Knit together are the virtues of team spirit, undying determination and zeal, and Infinito is an embodiment of them all. Infinito is a three days fest and these three days see participation from colleges all over India. With a plethora of sporting events and exhilarating cultural nights we leave no stones unturned into ensuring that these three days are filled with fun and thrill and that everyone who is a part of our ever-growing family gets to make the most beautiful of memories.

[f https://fb.com/InfinitoIITPatna/](https://fb.com/InfinitoIITPatna/)

Nebula:

It's an amazing night of fun and merriment, specifically planned to keep the welfare of all the newcomer students in mind.

[f https://fb.com/Nebula-IIT-Patna-218670981589517/](https://fb.com/Nebula-IIT-Patna-218670981589517/)



TEDx IIT Patna:

In the spirit of ideas worth spreading, TED has created a program called TEDx. TEDx is a program of local, self-organized events that bring people together to share a TED-like experience. Our event is called TEDxIITPatna, where x = independently organized TED event. At our event, TED Talks video and live speakers will combine to spark deep discussion and connection in a small group. The TED Conference provides general guidance for the TEDx program, but individual TEDx events, including ours, are self-organized.

[f https://fb.com/tedxiitpatna](https://fb.com/tedxiitpatna)

Samnivesha:

1. Samnivesha is the two-day civil technical fest of IIT Patna organized by ACE of DCEE which was started in 2019. The idea behind Samnivesha was to provide people with the glimpse of depth of beauty of the field of Civil Engineering and the idea was certainly fulfilled. The two days provided are certainly something to behold. The maiden edition witnessed a footfall of over 300 people from outside the campus of IIT Patna.
2. The events organized are spectacular and interesting for each and everybody present. Each and every event saw a huge number of participation from students. Workshops and Quiz are also organized for the participants. Other events which caught participants' eyes were Richter 9.0, Blueprint, House of Cards, Research Conclave.



www.samnivesha.iitp.ac.in



Students Achievements

ACM ICPC:

'Butterroti', a team from IIT Patna qualified for ACM-ICPC world finals for two years consecutively in the years 2018 and 2019.

This year, a total of 8 teams qualified for ACM ICPC Regionals securing their rank under the top 300 in India where our top team had the Rank 18. One team qualified for Asia West finals by having 4th rank in Kharagpur regionals and then secured the 22nd rank at Asia West Finals.

Google Summer Of Code:



Google
Summer of Code

In the past three years, a total of 24 students have been accepted as part of the Google Summer of Code, including 6 in their very first year. The open-source culture has been proliferating in the institute.

Inter IIT Tech

Meet:

IIT Patna stood overall at 7th position among all IITs in the InterIIT Tech Meet 2019, above all 2nd generation IITs and tied with IIT Hyderabad.

- Ashoka Tech for Change social entrepreneurship challenge (Gold Medal)** - to create and design a social enterprise that can help small farmers harness the power of technologies like blockchain, crowdsourcing, ML and cloud computing. This project not only involved technical aspects but also included the development of a sustainable business model with proper revenue gain strategies.
- Bosch Route Optimisation Challenge**

(Silver Medal) - Given a central company office, set of buses, and a set of employees to transport to the office from their homes, to find an optimal, minimizing operational costs, subject to constraints such as a one hour time window for the entire trip.

- Coding Hackathon (Bronze Medal)** - To build a decentralized application for tracking the progress of road-building projects as well as to register complaints about road damage.
- Bitgrit's Data science contest (Bronze Medal)** - The competition consisted of Predicting Foreign Exchange rates based on various Market Parameters and Giving a Data Analysis Report based on a given Attrition Rate of a Company.
- DIC's Terrace Farming Robot for Hilly Areas (Bronze Medal)** - The challenge involved designing and building an autonomous bot which can be employed to do tasks related to farming in a step-farming field.

NWoC:

NJACK Winter of Code is an initiative by NJACK, Computer Science Club of IIT Patna to introduce students to Free or Open Source Software (FOSS) development and promote Open Source Development through providing them with an opportunity to contribute in various domains, say Web, Mobile, Machine Learning, Blockchain, IoT etc. It also aims to prepare them for bigger programmes and opportunities like Google Summer of Code, Outreachy etc.

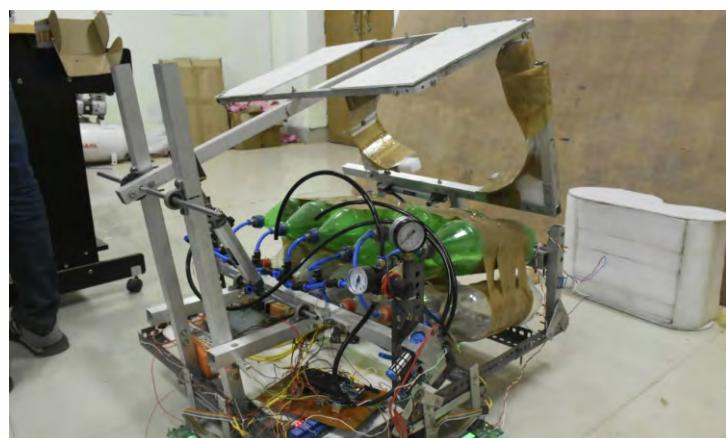
NWoC in each of its previous two years has received over 1000 participants internationally with 40+ projects, and one of the NWoC projects made it to Google Summer of Code last year.

Students Achievements



Achievements Over The Years:

- IIT Patna currently has **6 Masters**(top 0.5-1% coders worldwide) and **8 Candidate Masters**(top 2-3% coders worldwide) as rated on Codeforces.
- Students from the institute have been qualifying till round 3 of Code Jam for the last 2 years. (**1500 out of around 40,000 people get selected worldwide**)
- Team - Mom's Maggy (Chandresh, Saad, Rajeev) **won 1st prize** in the **IEM AI Olympiad 2019**.
- Team 'Kisan Connect' from IIT Patna, **won 2nd prize**, at the grand finale of **Hackathon v2.0** mobile app development contest.
- Students from the institute have received **DAAD** wise fellow scholarships, **Adobe Research Women-In-Technology Scholarship** award, & **Women Techmakers Scholarship**.
- Tirthankar Ghosal's (Visvesvaraya PhD Fellow) writeup came within the **Top 100 AWSAR_DST awards** of 2018 in the PhD category where he pourd PhD vision and investigations into simplified words.
- Sudipta Acharya (PhD/CS/13) received "**Outstanding Postdoctoral Inbound Award 2019**" from Shenzhen University China for excellent research publications in the field of computational Biology and pattern recognition during PhD.
- Dr Debasis Das (PhD/CSE/16, Asst. Professor IIT Jodhpur, ex- BITS Pilani) has achieved **Early Career Research (ECR)** award from Science and Engineering Research Board.
- A student team competed in the Asian College Robotics competition, **ABU Robocon** and secured **2nd rank** in the first stage and 21st in the second stage and allowed us to compete in the finals at IIT Delhi.
- Shristi Shreya Singh(B.Tech'21) participated in **IALE NORTH AMERICA'20** held on 10-14th May 2020 in Toronto
- Malayanur Narsimha Sashank(B.Tech'19) qualified GATE 2020 with AIR-13.
- Students from IIT Patna have been invited for the following esteemed summits/ conferences from the present batches:
 - **OpenPOWER Summit, North America San Diego 2019.**
 - **KubeCon & CloudNativeCon Europe 2020** in Amsterdam
 - **OpenSource Summit Japan**
 - **Honeynet 2019 Annual conference/ workshop, Austria**
 - **Automotive Linux Summit 2019** in Tokyo
 - **FOSSASIA Open Tech Summit 2019** in Singapore.



Research At IIT Patna

The total number of projects (since inception): 386; Total amount of grant received for projects: ₹12826.01 Lacs. [Data from IITP R&D Brochure - 2019]

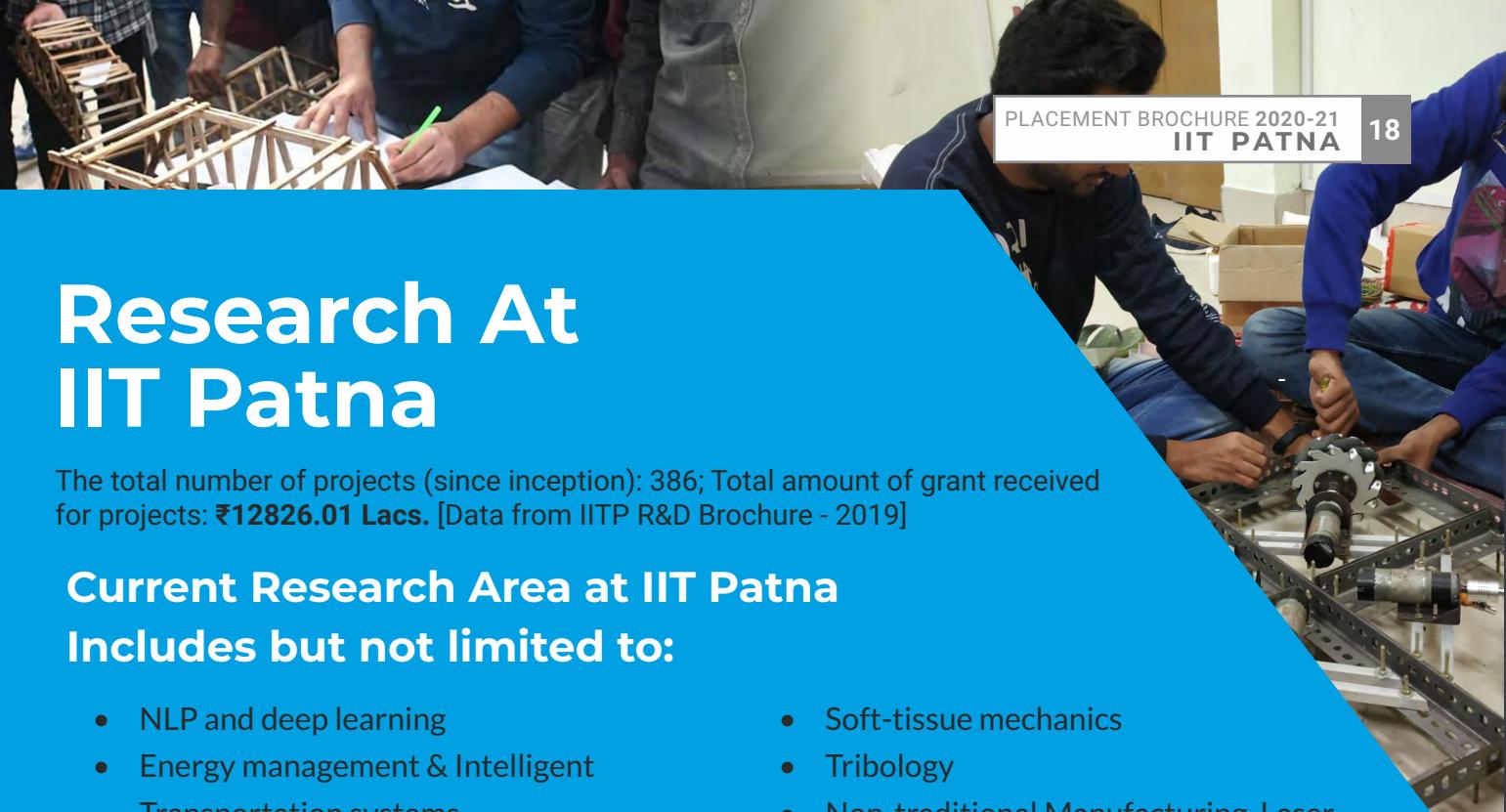
Current Research Area at IIT Patna

Includes but not limited to:

- NLP and deep learning
- Energy management & Intelligent Transportation systems
- Time-series Analysis
- Federated learning, Cryptography
- Social media Analytics
- Recommendation System
- Non-convex optimization
- Big data, IoT
- Human-Computer Interaction
- Computer Vision
- 802.11 Wireless Network
- Soft-tissue mechanics
- Tribology
- Non-traditional Manufacturing, Laser Material Processing
- Biomedical Robotics
- Computational Mechanics
- Computational Fluid Dynamics
- Interfacial Flows, Fluid-structure Interaction

Ongoing Key Projects:

- Acoustic Detection of Leidenfrost Dynamics on Scalable Micro-/Nanostructured Surfaces – Department of Science and Technology (DST), Nanomission
- A Self-Adaptive Electronic Cooling System by Enhanced Pool Boiling – Science and Engineering Research Board (SERB)
- Design of An Integral SFD – Aeronautics Research and Development Board (ARDB)
- Controlling the Vibrational Dynamics of Fluid-Carrying Flexible Tubes via Acoustic Irradiation - Early Career Research Award, SERB
- Development of An Agricultural Waste Based Off-The Grid Climate Control Unit for Storage and Processing of Agricultural Produce – Impacting Research Innovation and Technology (IMPRINT), DST, SERB
- Development of Cryogenic Micromachining for Fabrication of Soft and Stretchable Polymer Based Artificial Skin with Multi-Modal Sensing Capability – Advanced Manufacturing Technology (AMT) - DST
- Development of Lizard-like Robotic Spy Surveillance System – IMPRINT, DST, SERB.
- Development of Multi-layered Microstructure Gradient Functionally Graded Composite Material using Friction stir Additive Manufacturing - Early Career Research Award - SERB
- Soft Active Dielectric Elastomers for Human Motion Based Energy Harvesting - DST



Awards & Recognition

- Dr. Manabendra Pathak (ME) was selected for "Academic Excellence" award under the subcategory "Head of the Department" at IEI-FCRIT Excellence Award 2019.
- Mr. Kundan Kumar (Ph.D. scholar, MME) has been awarded with MRSI prize for the best poster in First Indian in year of 2019
- Materials Conclave award (IndMaC) by MRSI (Materials Research Society of India) at IISc Bangalore February 12-15, 2019.
- Mr. Kundan Kumar (MME) got the best poster award in the Interdisciplinary Symposium on Materials Chemistry, ISMC-2018, organized by DAE-BRNS at BARC.
- Dr. Anup Kumar Keshri (MME) has been selected for the short research stay at the University of Kassel, Germany by Alexander von Humboldt Foundation.
- Dr. Rishi Raj (ME) has been selected for prestigious INAE (Indian National Academy of Engineering) Young Engineer award 2018.
- Dr. Rishi Raj (ME) has been selected as the Associate of the Indian Academy of Sciences, 2018.
- Dr. Rishi Raj (2018) Best paper award in 10th Boiling and Condensation Heat Transfer Conference in Japan
- Dr. S.K. Paul has received the early career research grant from SERB(DST), 2018
- Mr. Shashi Prakash and Dr. Subrata Kumar, awarded top-cited author award from IOP Journal of Micromechanics and Microengineering, 2018)

- Murshid Imam has received Bharat Vikas Award in 2018
- Mohd. Kaleem Khan has received Bharat Vikas Award in 2018 by Institute of Self Reliance, Bhubaneswar
- Mr. G.P. Satish, working under Dr. Atul Thakur (ME) and Dr. Subrata Hait (CEE) won the Best Research Presentation Award Runner-up in RACI 2017 at ISI Kolkata.
- Best paper award by Binayak Krishna Swami, M.Tech student for presenting a paper on "Smart commuting with buses on Indian roads" at ITC -2017 (Indian Technology Congress -Industry 4.0) at NIMHANS, Bangalore. (August - 2017)
- A paper by Mr. Siddharth Suman, Dr. M.K. Khan and Dr. M. Pathak got the best paper award in the 5th International Conference on Energy Engineering and Environmental Engineering, 15-16 April 2017, China.
- Mr. Binayak Krishna Swami, M.Tech student wined the winner in "Intel Higher Education Challenge -2017" on Cyber-Physical Systems. An innovation challenge Organised by Intel India in association with FICE India at SJBIT, Bangalore.
- Ph.D. student Mr. Satish G.P. won the third best film award in India International Science Film Festival at India International Science Festival- 2017 held at Chennai during 13-16 October, 2017
- Best poster award to Mr. Deepak Kumar Prajapati, a research scholar of the Mechanical Engineering Department in National Tribology Conference (NTC 2016).
- Best paper award to two final year B.Tech. students Mr. Vishal Nagarkoti (ME), and Mr. Omprakash Sahu (ME) in the 6th International and 43rd National Conference on Fluid Mechanics and Fluid Power(FMFP2016).

RECRUITERS

The Training and Placement Cell of the institute handles all aspects of placements at IIT Patna for the graduating students of all departments. Right from contacting companies to managing all logistics of arranging for tests, pre-placement talks and conducting final interviews, the Training and Placement Cell officials and volunteers provide their best possible assistance to the recruiters.



RECRUITERS

Accolite	DE Shaw
Aditya Birla Capital	Dew Solutions Pvt. Ltd.
Adobe	Direct i(Media.net)
Aerologiks	Embibe
Affline Analytics Pvt Ltd.	ESI Services_Inspired Automation
Akash Institute	Euler System
Amazon India	ezDI Solution(India) LLP
American Express	Future First Info Services Pvt Ltd
Aptean	Gemini Solutions Pvt. Ltd.
Arista Network	Goldman Sachs
Avalara	Google India
Avataar.me	Helium consultancy
Axxela Advisory Services	HPCL
Bakliwal Tutorials Pvt. Ltd.	HSBC Technology India
Bosch Ltd	Intel
Broadridge	IOCL
Byju's	Jubilant
Cakesoft	K12
Capgemini Technology Services India Ltd	L&T Construction
CGI	Larsen & Toubro Infotech (LTI)
CINIF Technology	Larsen & Toubro Limited ECC
Cloudera	Larsen & Toubro Limited (Heavy Engineering)
CodeNation	Logicfruit
Cognam	LTI Cyber Security
Cognizant	Mathworks India Pvt Ltd
Commvault	Max connect, Japan (Webstaff)
Course 5 Intelligence	McKinley & Rice

RECRUITERS

MediaTek	Secon
Meerut Institute of Engg. & Technology (MIET)	Sigmoid
Microsoft	SMS Data
NameKart	SpringML
Newzera	Sprinkler
Nexus Techno Solutions	ST Microelectronics
NOVAC	Strand Life Sciences Pvt Ltd
NVT Power	Tata Consultancy Services Ltd
Olacabs	TCS - Digital
Optum (UHG)	Techture
Oyo Rooms	Tescra Software Pvt. Ltd.
Parul University	TIW Private Equity
PlanetSpark	Tomia Global
Publicis Sapient	Topline Co Ltd,Japan (Webstaff)
Qualcomm	Toppers
RAAM Group	Trell Experiences Pvt. Ltd.
Radisys	Tridiagonal
Rakuten (Japan)	TVS Motors
Reliance Games	Weather News, Japan (Webstaff)
Reliance Jio	Wipro Ltd
Rentomojo	Yellow Messenger
Rupeek Fintech Private Limited.	Yodlee
Samsung Delhi	Zolostays Property Solutions Private Ltd.
Samsung R&D Institute India, Noida	ZS Associates



Academic:

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

INTERNSHIPS

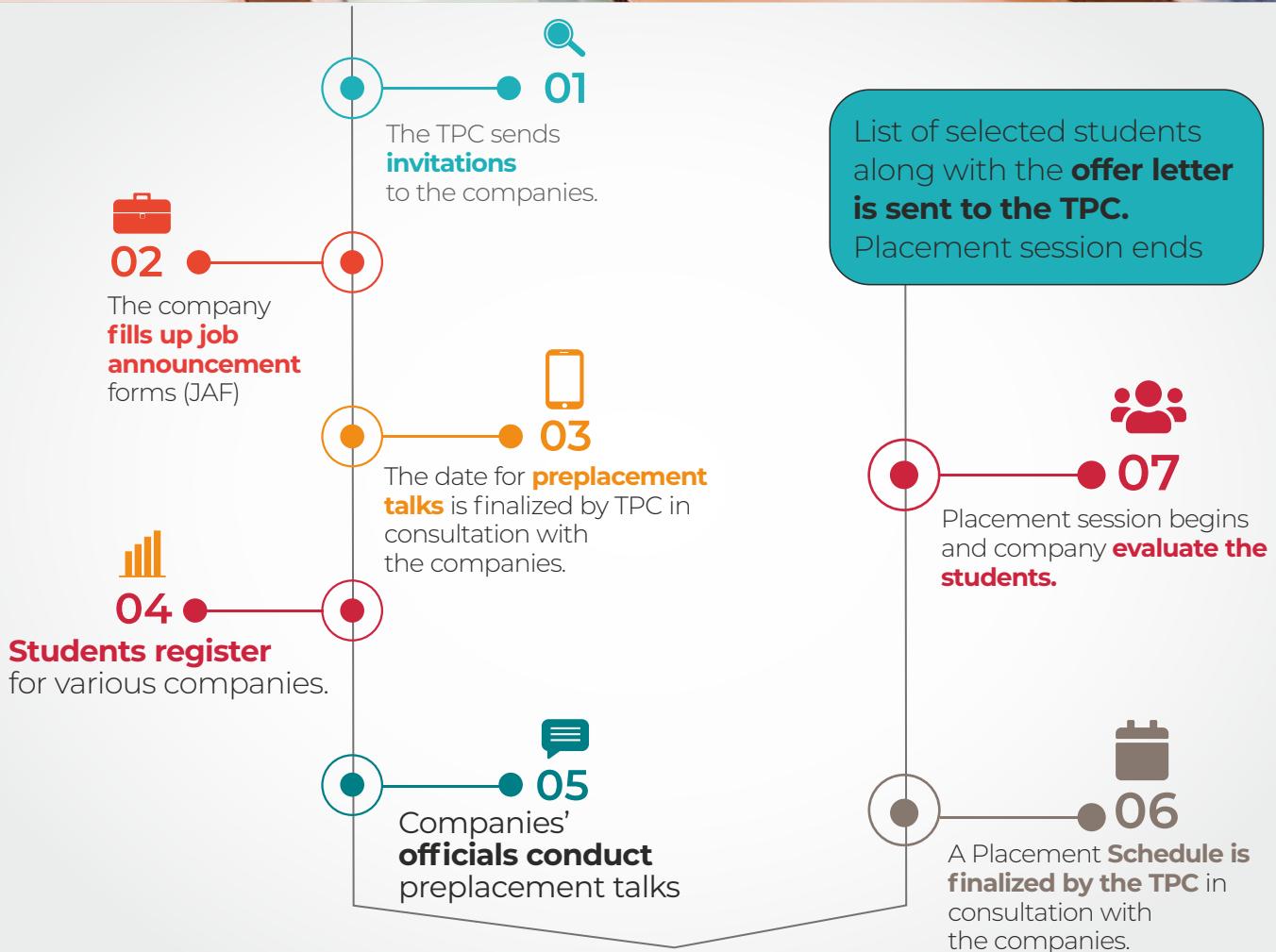
Industrial:

- Adobe
- Aerologiks
- Amazon
- Arista Networks
- BARC
- BHEL
- Bosch
- BSNL
- Cadence
- CapitalVia
- CISCO
- Codenation
- Course5i
- Cross Skills
- DE Shaw
- Directi
- DRDO
- Edvizo
- Elucidata
- EndureAir Systems
- ESI Services
- ExaWizards
- FutureFirst
- Goldmann Sachs
- Google
- HPCL
- Husk Power Systems
- iClass Gyansetu
- Intel
- IOCL
- IRCON
- Jubilant Life Sciences
- L&T Construction (LnT ECC)
- Larsen & Toubro
- LithionPower
- LTI
- Mahindra & Mahindra
- Maruti Suzuki
- Mathworks
- Microsoft
- NationWithNamo
- Newzera
- NextOrbit
- NTPC
- Peacock Solar (sangram enterprises)
- PlanetSpark
- Planful
- Publicis Sapient
- Qualcomm
- Raam Group
- SBI
- Sigmoid
- Strand Life
- Science Pvt. Ltd.
- Suzuki Motorcycle India Private Limited
- Tata Iron and Steel
- TCS
- Techniche
- TMI (Willings)
- Tomia
- Trell
- Veratech
- Webstaff
- Wipro
- Xpert TV





PLACEMENT PROCEDURE



Reaching IIT Patna

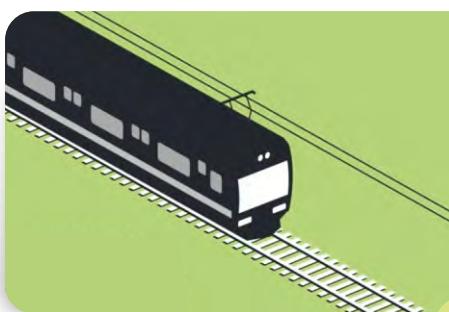
Patna being the destinations of all knowledge, cultural, social, spiritual, trade and political traditions of the ancient times is a prime centre of attraction for the people. The city is well connected to different parts of the country by Airways, Railways and Roadways.

Airways:

The nearest airport to reach IIT Patna campus is Jai Prakash Narayan International Airport, Patna, which 32 KM. Direct and regular flights are available from Patna to most of the major cities including New Delhi, Mumbai, Hyderabad, Bengaluru, Kolkata, Chennai, Lucknow etc.



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Railways:

The nearest railway station is Bihta, 2 km from the campus. It located 35 km west of Patna Junction railway station, which is one of the busiest railway stations in the country and trains including Rajdhani, Super-Fast, Express, Jan Shatabdi etc are available for all major cities of the country.

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Roadways:

Patna is well connected by roads with major cities of our country. IIT Patna has well road connectivity to and from Patna and Ara. Regular bus services have been provided by the Govt. of Bihar from Gandhi Maidan, Patna to IIT Patna campus. IIT Patna runs its own bus services for its students, staffs and faculty members on regular intervals.



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