

TRAINING AND PLACEMENT CELL  
NATIONAL INSTITUTE OF TECHNOLOGY, PATNA

# PLACEMENT BROCHURE



FOR THE YEAR  
**2022**

ABOUT

The Brochure Contains Courses, Desk, Demographics, Achievements, Clubs and Placement Statistics.



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## DIRECTOR'S DESK



**Prof. Pradip Kumar Jain**  
Director  
**National Institute of Technology Patna**

It is my pleasure to introduce one of the oldest Technological Institutes of North India National Institute of Technology Patna whose history goes back to 1876 when four Survey schools were established in Dacca, Hoogly Cuttack and Patna. The schools at Hoogly and Cuttack failed but those at Dacca and Patna continued to prosper. In 1882, a separate altogether, named as Bihar Industrial School, was opened in the premises of the survey school in Patna college campus. In July 1886, these two separate institutions were merged and given the name of Bihar School of Engineering under the leadership of Mr. A Ewbank, the then principal of Patna College. Between 1892 and 1902, a functional building which is at present the main administrative building of NIT Patna, was built. In 1924, the engineering school was upgraded to Bihar College of Engineering under Patna University. In 2004, MHRD, Government of India upgraded Bihar College of Engineering to National Institute of Technology Patna and in 2007, it came under the act 'NIT Act 2007' and declared Institute of National Importance. At present NIT Patna is offering undergraduate programs (B. Tech & B. Arch) and Post graduate program (M. Tech & MRUP) along with Phd Programs. Total number of students are nearly 3000. The institute has state-of-art laboratories, in each department.

This great institute has produced a large number of alumni who served the nation with distinction like Mr. M. B. Verma, former Program Director of Prestigious LCA Project of DRDO, Dr. Ratan K. Sinha, Chairman Atomic Energy Commission of India, Mr. C. Prasad, Ex. D G CPWD to name a few. The Institute has a very active linkage with industry from its inception. Different PSUs are awarding scholarships to our students. The institute has established a Center of Excellence in Computer Engineering in collaboration with Hewlett Packard. All our passed out graduates are serving the Indian Industry and PSUs with distinction. I appreciate the efforts of our vibrant Training and Placement Cell who are in constant touch with industries for the training and placement of our students. I am sure our recruiters find our students very competent and they will be visiting us regularly. We look forward towards enduring and fruitful relationships with our esteemed recruiters. I wish Training & Placement Cell all the success.

## LETTER FROM T&P CELL



**Dr. Samrat Mukherjee**  
Professor-In-Charge

The National Institute of Technology Patna, the eighteenth of the thirty member NIT fraternity started functioning in 2004. In this short span of time, NIT Patna has established itself as a premier technological institute in India. NIT Patna has an impeccable campus placement record. Our students have secured challenging and highly paid positions in top ranking companies/ organizations in India and abroad. Their abilities are well recognized as per the excellent reports from the esteemed recruiters. The Institute has a very active linkage with industry from its inception. Different PSUs are also awarding scholarships to our students. NIT Patna has been achieving & setting benchmarks not only for its excellent academic and extracurricular activities but also for its research, consultancy and developmental activities. We're happy that NIT Patna has secured "72" position in NIRF 2021 Ranking, achieving an improvement of 20 places than NIRF 2020 and 62 places than NIRF 2019 ranking.

NIT Patna has a full fledged Training & Placement Cell with all modern facilities to conduct the campus placement activities. Our campus placement activities for the session 2022-2023 will begin from the third week of July, 2022 and the process will continue till May 2023. Since our students are in great demand, we will appreciate it if you would consider contacting us at an early date. We look forward to hearing from you soon.

## **LETTER FROM T&P CELL**



**Dr. Shailesh M. Pandey**  
Training & Placement Officer  
National Institute of Technology Patna

NIT Patna strives to deliver high-quality educational facilities and the best of placements, by putting constant endeavors into honing the skills of students. Our graduates undergo rigorous training, in terms of conceptual learning and practical implications, paper publications, and internships in the corporate world and in government sectors in providing a platform to equip them with sufficient lateral thinking capabilities, and communication skills and to fit in the roles of leaders to facilitate any organization where they would be working to design, develop, and market products and services better to cater the needs of industry and nation. Despite the ongoing pandemic crisis, the NIT Patna placements drive in 2021 has been momentous with the institute receiving 110 percent of overall placements, with students having received the highest-ever yearly cost-to-company offers from companies such as Facebook, Amazon, and Google. Distinctive packages from companies like Adobe, LinkedIn, Oracle, Deloitte, Samsung, American Express, Paytm, Ola, L&T, and PSU's like EIL, BEL, and BPCL. With the highest record packages of 1.08, 1.5 crores.

In comparison to last year, the placement session at NIT Patna saw a substantial increase in the number of positions provided with higher pay scales. The institute's students are breaking new grounds for their contemporaries, establishing a competitive atmosphere in the institute and encouraging neophytes to reach much higher heights.

We believe that our students would prove to be the best workforce deployed by various companies. We look forward to hearing from you.

# ABOUT NIT PATNA



National Institute of Technology Patna is the 18th National Institute of Technology created by the Ministry of H.R.D. Government of India after rechristening the erstwhile Bihar College of Engineering Patna on 28. 01. 2004. NIT Patna marked its humble beginning in 1886 with the establishment of a pleaders survey training school which was subsequently promoted by Bihar College of Engineering Patna in 1924. This made this institute the **6th Oldest Engineering Institute** of India. The graduate-level curriculum was later elevated to the postgraduate level in 1978. National Institute of Technology Patna has been declared as an Institute of National Importance and has been granted a fully Autonomous Status by MHRD, Government of India. The Institute has also been declared a Centre of Excellence to impart high-level education training, research and development in science, engineering technology and humanities. It is imparting high-quality education & values at UG (B.Tech), PG (M.Tech) & Ph .D programmes through its experienced faculty well versed in their respective field of engineering and technology with well-equipped laboratories. At present, the Institute has **seven disciplines viz. Architecture, Civil Engineering, Computer Science & Engg., Electrical Engg., Electronics & Communication Engg., Information Technology and Mechanical Engg., and well-established departments of physics, Mathematics, Humanities and Social Science.**

National Institute of Technology Patna aims at setting out high education standards and holds a long record of academic excellence. The pedagogical aspects have been formulated to suit not only the needs of the contemporary industrial requirements but also to develop human potential to its fullest extent in a range of professions. Extracurricular activities are planned through games and sports, cultural programmes and NSS activities. Cultural activities provide a platform to know about the culture of various states and regions of the country and opportunities for national integration.

Ever since its rechristening, NIT Patna has been on the fast track of development and has undergone numerous facelifts because of which placement records have witnessed unprecedented growth and are touching new heights as the graph of placement is increasing remarkably. NIT Patna strives to develop human potential to its fullest extent so that intellectually capable and imaginatively gifted leaders can emerge in a range of professions .

# COURSE OFFERED

## UNDER GRADUATE

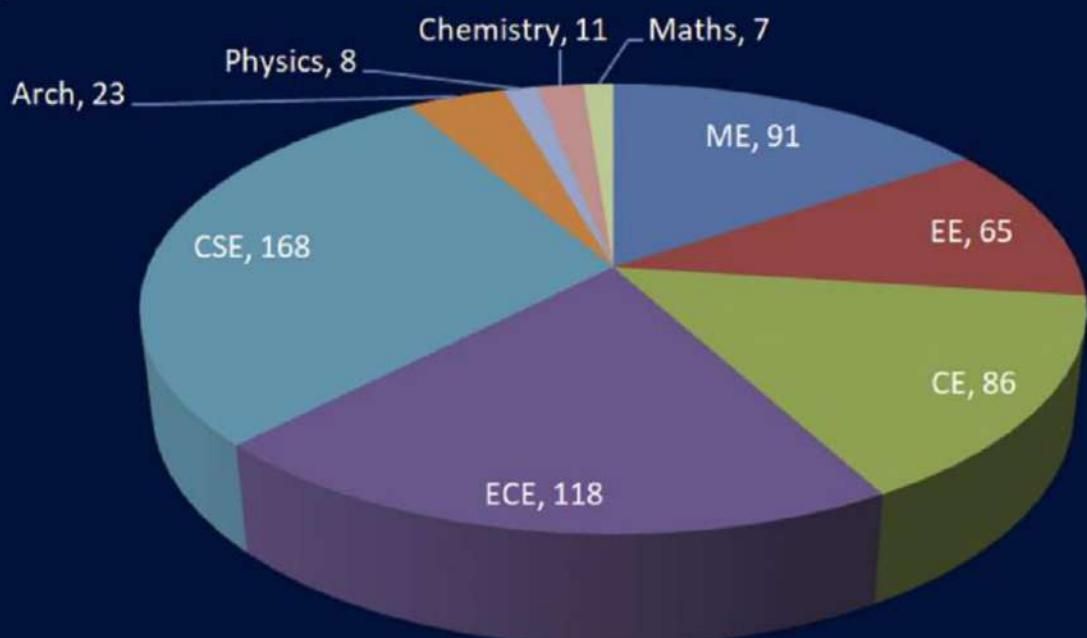
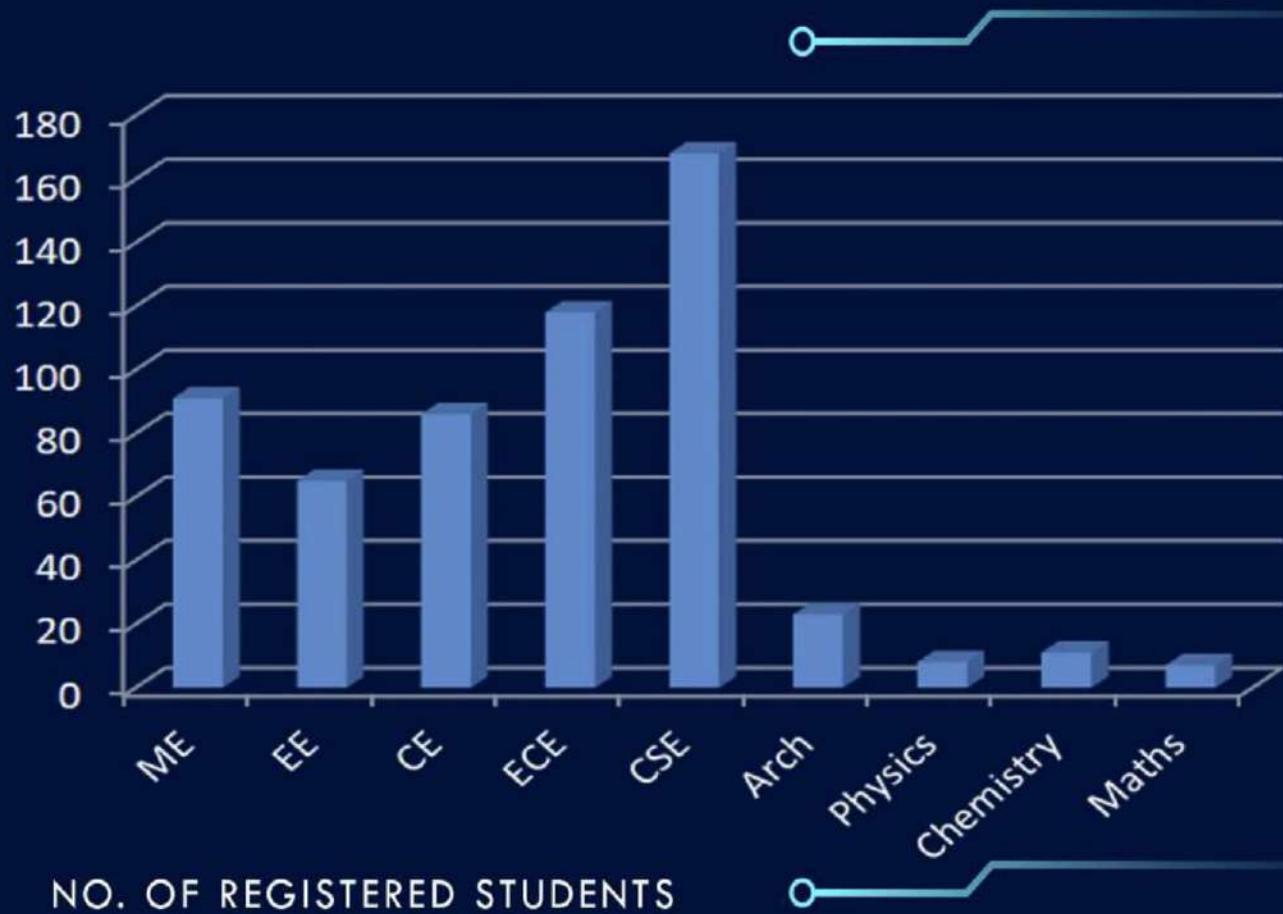
- B.Tech (Computer Science & Engineering)
- B.Tech (Civil Engineering)
- B.Tech (Electrical Engineering)
- B.Tech (Electronics & Communication Engineering)
- B.Tech (Mechanical Engineering)
- Integrated M. Sc. in Chemistry
- Integrated M. Sc. in Physics
- Integrated M. Sc. in Mathematics
- B. Arch

## POST GRADUATE

- M.Tech (Computer Science & Engineering) - with specialization in Information Security and Computer Networks.
- M.Tech (Civil Engineering)- with specializations in Water Resources Engineering, Transportation Engineering, Structural Engineering, Environmental Engineering
- M.Tech (Electrical Engineering)- with specializations in Control System Engineering, Power System Engineering
- M.Tech (Mechanical Engineering)- with specializations in Thermal Engineering, Production Engineering, Design Engineering, Automobile Engineering, Renewable Energy Technology
- M.Tech (Electronics & Communication Engineering)- with specializations in Communication Systems, VLSI System Design and Microelectronics
- Master in Urban & Regional Planning (MURP)
- Master of Architecture (M. Arch.)
- Master Of Computer Application (MCA)



## DEMOGRAPHICS - UG



# COMPUTER SCIENCE AND ENGINEERING

The Department of Computer Science and Engineering maintains its legacy of excellence in any dimension. We also introduce cutting-edge technologies like Machine Learning, Deep Learning and Artificial Intelligence, etc at an early stage. There are numerous activities and initiatives help in nourishing the technology stack of students. This is done to enhance the productivity of the students and make them highly employable. Our students have strong computer Science fundamentals and skills ready to face any kind of challenges in any competitive environment with their technical aptitude and exceptional skills.

## Major courses:

- java and its fundamentals
- Object Oriented Methodology
- Data structures and Algorithms
- Design and Analysis of Algorithms
- Database Management Systems
- Operating system
- Computer Networks
- Artificial Intelligence and Machine Learning
- Probability and Statistics
- Blockchain Technology
- Software Engineering Computer
- Organisation and Architecture
- Formal Languages and Automata Theory
- Compiler Design
- Graph Theory and Combinatorics
- UNIX Admin and Shell Programming lab

# ELECTRONIC AND COMMUNICATION ENGINEERING

The Department of Electronics and Communication Engineering is one of the established and largest department in the institute. It was established in the year 1978 with vision to become centre of excellence to impart up-to-date technical education, which will let our students to attain their maximum technical potential, managerial capability, be competitive in the job market and to emerge as a leading research hub.

## Major courses:

- Electronic Devices and Circuits
- Introduction to computing with C
- Data structures and algorithms
- Object oriented programming (JAVA)
- Digital Electronics
- Semiconductor Device
- Communication Engineering
- VLSI
- Digital Signal Processing
- Microwave Engineering
- Electromagnetic Computation and Simulation
- Signal Processing Research
- Wireless Propagation
- Optical Fiber Communication & Photonics Research
- Microprocessor & Microcontroller
- VLSI Fabrication
- Wireless sensor Network
- Image Processing

# ELECTRICAL ENGINEERING

The Electrical Engineering Department with highly qualified faculties and bright students is continuing to be a part of NITP since 1945 when the department was first established. The department has 10 well equipped laboratories namely Basic Electrical Lab, Electrical Machinery Lab, Power System Protection Lab, Microprocessor and Microcontroller Lab, Power Electronics Lab, Network Theory Lab, Control System Lab, Measurement Lab, High-Voltage Lab and SCADA Lab. All these labs have helped our students work closely and practically with various industry ranging from Heavy machinery to Small electronic devices. Students also have strong coding fundamental and are always open to learn new things of different engineering domains

## Major courses:

- Power Electronics
- Introduction to computing with C
- Data structures and algorithms
- Object oriented programming (JAVA)
- Electrical Machines
- Power System
- Microprocessor and Microcontroller
- Digital Electronics
- Analog Electronics
- Control System
- Network Theory
- Measurements and Instruments
- Communication System
- Signals and Systems
- Programming in C
- Utilisation Traction
- Industrial Drives

In all its glory, the department has 22 labs covering all needs for a mechanical engineer. It is also the only branch with three technical clubs backed by huge industrial communities- American Society of Mechanical Engineers(ASME), Society of Automotive Engineers(SE) and Imperial Society of Innovative Engineers (ISIE). They together ensure that the students are employable by bridging the gap between industry and academia.

## Major courses:

- Computer-aided design
- Computer-aided engineering
- Latest manufacturing technologies
- FEA and simulation
- Automobile engineering
- Computational Fluid Dynamics (CFD)
- Experimental Aerodynamics
- Development of composites
- Flexible Manufacturing
- Six Sigma
- Quality and Maintenance
- HVAC
- SOM, TOM and Machine Design
- Applied Thermodynamics
- Engineering Optimization

# MECHANICAL ENGINEERING

# CIVIL ENGINEERING

The Civil Engineering, branch is the oldest and vibrant department of the institute, which was established in 1924 along with the inception of the institute. The Department offers undergraduate, postgraduate and Ph.D, courses, The department has an adequate number of well-equipped labs and conducts workshops very often to impart students an idea of practicality so that they can apply their academic knowledge in real world

## Major courses:

- Mechanics of Solids
- Structural Analysis
- Design of RCC Structures
- Design of Steel Structures
- Civil Engineering Materials and Construction
- Geotechnical Engineering
- Transportation Engineering
- Environmental Engineering
- Construction, Planning and Management
- Fluid Mechanics
- Hydraulics and Open Channel Flow
- Engineering Hydrology
- Irrigation Engineering and Hydraulic Structures
- Surveying

Established in 1979, The Department of Architecture has been producing skilled and knowledgeable Architects every year with the students updated up to new methods and innovations in the construction and Architecture whether it be new software, materials or design. The department has well equipped labs including Construction, Material, Climatology, Computer, Landscape, model making etc, and well-furnished studios for throughout development of knowledge and skills. The department has a student body functioning for several activities like publishing magazines, conducting events, talks and workshops, carrying out software sessions by professionals and students themselves for skill development and bridging the gap between professionals and Undergraduates.

## Major courses:

- Architectural Design and Analysis.
- Sustainable and Universal Design.
- Manual Hand Drafting.
- Architectural Journalism.
- Landscape Design.
- Architectural Detailing.
- Software like AutoCAD, Sketchup, Rhinoceros, 3DS Max, Lumion, Twinmotion, Vray.
- Building Information Modelling using Autodesk Revit.
- Parametric Design using Dynamo Studio and Grasshopper.
- Building Simulations on various digital platforms.
- Renders and representations using Adobe Photoshop, Illustrator, InDesign

# ARCHITECTURE

# PHYSICS

# INTEGRATED M.SC.

Our highly-motivated physics students learn from scientists (from BARC and etc) and top physicists through carefully-designed and run courses. Our students develop a wide range of skills by putting their physics knowledge into practice in research labs, and undertaking advanced real world problem-solving challenge

## Major courses:

- Introduction to computing with C
- Computational Physics: Python, NumPy, Pandas, Matplotlib
- Quantum Computing
- Engineering Mathematics
- Digital Electronics and Semiconductor devices
- Numerical Techniques: Statistical methods
- Statistical Mechanics**
- Material Science and Technology**
- Econophysics
- Nanotechnology

In all its glory, the department has 22 labs covering all needs for a mechanical engineer, It is aOur chemistry students develop a range of practical and theoretical skills (with a particular emphasis on laboratory skills) that prepare them for both chemical and non-chemical careers. We nurture our students abilities to analyse, integrate, critically evaluate and apply new information and techniques.

## Major courses:

- Physical chemistry I : physical properties
- Introduction to computing with C
- Molecular spectroscopy
- Organic chemistry: pericyclic and photochemistry
- Polymer chemistry
- Heterocyclic chemistry
- Engineering Mathematics

# MATHEMATICS

# CHEMISTRY

Our Mathematics courses help students to develop a broad foundation of knowledge, theoretical understanding and practical skills in mathematics, statistics and computing, also it reflects a systems view of computer science that will enable students to adapt in the face of changing technology. Our courses are highly flexible; students can choose to pursue the mathematical Shields most suited to their interests as well as modules from other disciplines such as finance and management.

## Major courses:

- Introduction to Computing
- Data Structures and Algorithms
- Linear and Abstract Algebra
- Probability and Statistics
- Object Oriented Methodology
- Data Simulation and Analysis
- Advance Numerical Analysis
- Theory of Computation
- Industrial Economics and Rural Management

# MASTER OF COMPUTER APPLICATIONS

Master of Computer Application program offered by the Department of Computer Science and Engineering. MCA is one of India's most popular postgraduate courses, which is also a domain-changing course because undergraduate maths students can also pursue MCA ( NonIT to IT ). which prepares the students for the industry requirements to flourish in corporate IT Sector. MCA courses are more focused on implementing Programming Languages, IT Skills, and other such concepts with a detailed curriculum that stretches over three semesters. The fourth and final semester is dedicated to industrial training/internship and projects.

## Major courses:

- Data Structure and Algorithm
- Programming and Problem Solving
- Object Oriented Modelling and Design
- Software Engineering
- Database Management System
- Computer Networks
- Operating System
- AI and Machine Learning
- Blockchain Technologies
- Digital Image Processing
- Internet of Things
- Information Security
- IT Theory and Applications
- Mathematical Foundations of Computer Applications
- Digital Logic and Computer Organizationl
- Accounting and Financial Management

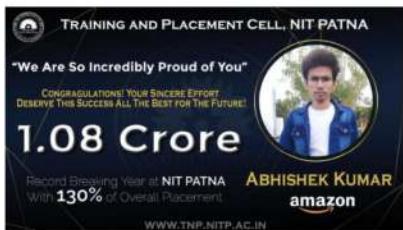
# PURSUIT OF EXCELLENCE



The institute ranked "72" amongst all Gov. & Pvt .Engineering Colleges in India in 2021.



Record breaking placement of Miss Aditi Anshu of 1.6 Cr in Facebook (Meta) London.



Mr. Abhishek Kumar bagged a placement of 1.08 Cr. Record breaking placement at NIT Patna at 130 % Overall Placement offers.



One of our students secured AIR-1 in GATE 2020 EE and many others have been ranked under 50 in the past 2 years



ASME NIT Patna takes a lot of pride announcing that a former IAM3D member, Shobhit Srivastava, has secured **AIR-269** in GATE(ECE)- 2022 while being in the 3rd year.



ASME NIT Patna former Chairperson, **Abhishek Mishra**, has secured an All India Rank of 35 in the Graduate Aptitude Test in Engineering (GATE) ME 2022.



5 NIT Patna faculty members ranked among TOP 2% Scientists in the world by Stanford university



One of our student got selected into Princeton University with huge chunk of scholarship, for its post graduation programme.



Team TRAPS, Winners of Tata Crucible Hackathon East Zone 2020.



A member won the award for making the Most Beautiful Painting in the Young Artist Summit.

# TECHNICAL CLUBS

## DEVELOPER STUDENT CLUB



**Developer Student Clubs (DSC)** is a Google Developers program that intends to bring together young enthusiasts who want to acquire development skills. It's a matter of grandeur and pride that in 2020 NIT Patna has its First Developer Student Club with a core team of 26 members. It is a community where students collaborate with each other to learn and work together using several Google developer resources.

The DSC organizes numerous events ranging from small meetups for working on projects to large-scale hackathons. The club's past events include orientation, various info sessions, DSC NITP Projects Showcase session, Talk on Career Opportunities in Analytics and Related Technologies by Mr. Y S Sri Harsha, PI Manager Amazon, IIM Alumnus, Quapquirzo, which was a reasoning -cum -aptitude test series on HackerEarth, Resume Building & Review Workshop, HackNITP 3.0, which is the annual hackathon of NIT Patna .

The club is open to anyone in the university who wants to work and learn together, be it a fresher or a senior who wants to brush up his/her developing abilities. The club organized more than 15 events with overall participation of over 600 students. At present, it has more than 300 chapter members and has developed more than 15 projects under it.

## ASME



**ASME NIT Patna** aims to enhance the designing and manufacturing skills in students by incorporating latest technologies so as to make production more sophisticated and with a motive of achieving higher durability.

Talking about the past achievements of **ASME NITP, HPVC** team secured 5th rank in design category and was awarded with "**BEST SPORTSMANSHIP**" award, SDC team secured 4th place, IAM3D team secured 4th place, ORAL competition sponsored by old guard team secured 3rd place in ASME EFESTS 2020 and organization of ASME EFX 2020. In **ASME DIGITAL EFESTS 2021**, Team "XLEARATION" secured 4th place nationally and 17th place globally in innovation round and secured 7th rank nationally and 27th rank globally in CDR round of HPVC (Human Powered Vehicle Challenge) and SDC (Student Design Challenge) team secured 1st place in Design Submission Challenge.

Now coming to the club events, WEBI-TEST was the first event hosted by ASME NITP in academic year 2020-2021 in collaboration with GATEFLIX on 20th feb,2021. It was a fusion of webinar and a quiz competition, webinar hosted by Rohan Garg, Founder and CEO, Gateflix in an endeavour to create awareness among students about the various career prospects one avail via GATE, prevailing and pertaining risks that students may encounter during the phase of preparation and have also suggested on few strategies to combat the difficulties. Another event, TOPPERS'S TALK was organized with a motive to create a platform for GATE aspirants to interact with Munish Kumar, AIR3, GATE 2021, to clarify on various queries and to know the strategy that worked for him, further helping the students in formulating their customized strategy to place themselves onto the path of success.

## HACKLASH CLUB



HackSlash Developers Club, currently under the Mozilla Campus Clubs Network, is an all-student driven developer's community intended to provide a room for college students to learn and collaborate on a plethora of projects among themselves as well as with mentors. Formed as the college's software development club in NIT Patna, it was established in 2018. Currently, it is holding over 20 core members and more than 350 interested members of all years and degree programs in the institute itself.

**Hack NITP workshops**, which was a series of nine workshops were organized on numerous topics by renowned personalities like Personal Branding, Intro to Computer, Vision, UX, Cloud Computing and Microservices architecture, Cloud-Connected AR/VR App, and more. **Hack NITP 3.0** is one of the biggest ever organized hackathons of 60 hours in the history of the institute, witnessing a huge number of sponsors and partners. **Designerella** was a Design Contest covering the themes such as Technology and Social awareness.

**Study Jams:** Study sessions were organized for the students of NIT Patna covering interactive theoretical and hands-on sessions on various topics on ML, Game, Cloud, Mobile, Web, Design, and Coding. **Ideathon'21**, an online idea presentation event where students will present their ideas in the form of an abstract on various themes.

The club organized more than 35 events with overall participation of over 2000 students. At present, it has more than 400 chapter members and has developed more than 25 projects under it. The club was most active in the months of January and February, 2020. At the end, the club strives to build and improve the open-source environment and the coding culture of the whole city of Patna and eventually the whole state of Bihar.



## SAE India



SAE INDIA NITP was established in 2014 by the students of Mechanical Engineering Department. Talking about the club events, Round the Wheels '21 is an annual fun event conducted by SAE NITP in the month of January where students can test their automotive and aptitude skills by competing against each other. The winners got a prize money of ₹1100. In the month of February, we conducted annual Induction of freshers and sophomores for the two major SAE events i.e. SUPRA '22 and ADC'22. It consisted of multiple rounds of evaluation with rigorous testing and personal interview.

The most exciting treasure hunt in the history of NITP, DEL TESORO was conducted in the month of April to relieve NITPians from the end-semester stress. The event was divided into two rounds, first was scavenger hunt in which approximately 35+ teams participated from which only 10 teams qualified for the final stretch. Teams were given a single track with five sub tracks which were quite absorbing and arduous; but Ankit Kumar's (2k20 batch) Team Random managed to win the event Del Tesoro single handily and also bagged prize money of ₹1111/-.

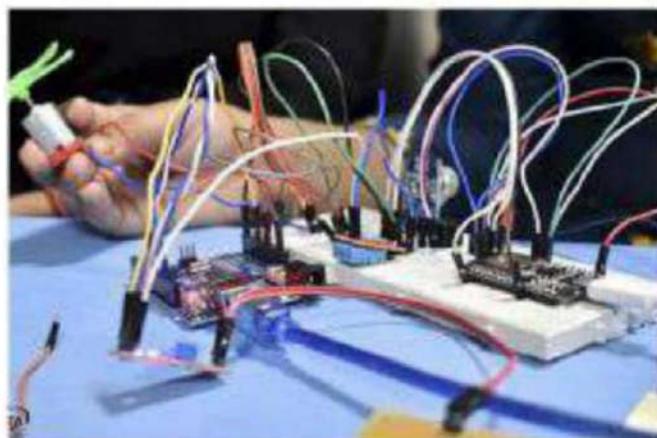




**IEEE Student Branch NIT Patna** is one of the largest technical clubs under IEEE Kolkata Section R-10 with more than 50 active IEEE members and 4k+ followers on social media.

IEEE is the world's largest professional association dedicated to advancing technological innovation and excellence for the benefit of humanity. IEEE and its members inspire a global community through IEEE's highly cited publications, conferences, technology standards, and professional and educational activities.

IEEE Student Branch, NIT Patna was established with an enthusiastic initiative of 13 students of NIT Patna enrolled in B.Tech programme of Electrical Engineering and Electronics and Communication Engineering under the leadership of Prof Kumar Abhishek, Assistant professor of Computer Science and Engineering. In this whole path our mentors were the three great visionaries of our college Dr Asok De (Director NIT Patna), Dr D.K. Singh (HOD, Electronics and Communication Engineering), and Dr M.P Singh (HOD, Computer Science and Engineering). Prof. Kumar Abhishek became the first Branch Counselor of the Student Branch and Shruti Neha became the first Student Branch Chair. IEEE Student Branch, NITP was established with a vision of making students aware of new developments in various engineering fields and to provide support in implementing new innovative ideas of future engineers which can give a new shape to this world.



**ISIE NITP SRA** was established in 2017 by the continuous efforts of our 2k15 batch seniors to improve and increase the technical knowledge of our college students and is the only club of NITP which is working on renewable sources of energy. We set out with an obsession for concept development, one that was unheard in the corridors of green energy development. This club aims at creating value through innovation, quality, creativity, partnerships, openness, and learning.

Talking about past events, **Call it Green**(13th-21st February ,2021) was to motivate students and bring out sustainable mobility solutions. Effective solutions were given by participants on topics such as Electric Vehicles as mobility options for future, Hydrogen fuel technology, Challenges associated with microbial fuel cells and many more. **Sam-o-Tech 4.O**(20th - 27th march, 2021) was an induction program organized by the club to recruit aspiring students who want to contribute to green development. The club provides these students an opportunity to apply their knowledge practically in the manufacturing of an Electric Solar vehicle for ESVC conducted by ISIE INDIA. Another event, **Online Campus**

**Mentorship** (16th April-17th April, 2021), a two-day mentorship program was organized to introduce students to different areas involved in the manufacturing of an Electric Solar vehicle and this event also gave an insight about the final event (ESVC 2021) where the manufactured vehicle will be tested. **Game of pixels** (18th may,2021-20th may,2021) was a gaming event organized by the club members and it got participation of more than 200 students from NITP and around.

The club helped first years get the idea of how renewable energy is not always saving the environment and it is not always 100% clean, discussed more effective and safer energy solutions, such as Hydrogen fuel, microbial fuels etc and also organized its 4th induction drive this year.



## ROBOTICS



**Robotics Club, NITP**, a club that strives to provide technical enhancement in our society. The club not only aims for building & designing bots or other autonomously operating machines, but also prepares its members to grow into the technical-minded and accomplished person.

This year's lockdown also could not force the club to limit its capabilities, as it successfully conducted a huge technical event called Abhiyuthhan. Abhiyuthhan(20 Feb - 28 Feb'21) which was a mega event of 4 sub events, stimulated interest in the participants for the Robotics field and club. This event's sole aim was to give a fun break to students from these disturbing situations and academic overloads in the most technical way possible. Some great webinar sessions were also organized during Abhiyuthhan. Arduino Jam (03 January 2021 ) which was an amazing learning session for students on Arduino. It introduced them with the working of Arduino ide, and gave a brief intro on sensors and their working. Students also designed and simulated circuits for led blinking, buzzers, and interfacing sensors with motor drivers for a line follower bot on Tinkercad. In D2D: Design 2 Debug, over 50 teams (2 participants per team) participated. The teams had to design circuits on online simulation software. Selected participants competed with each other for another round where they had to build circuits on Multisim. Another event, LOC: Loop of Codes in which participation was over 300 and participants had to do hardcore coding on an online platform to be the winner, which somewhere drove interest in coding in them. Kasparable with over participation of 300 was a complete fun event where the students had to decode the hints of technical questions and clear all the rounds, which ultimately led them to triumph.



## CESC



A sui generis club, **Civil Engineering Students Club** is managed and run by the elected student's committee who believe and toil to give their best to help the club in achieving its envisaged mission. Some events include **Shabdsetu**, a completely redesigned Crossword on our social media handles to assist students in learning and familiarizing themselves with Civil Engineering terms in a format that everyone enjoys. Secondly, a **Flexural Friday**, a year-long series of posts on our social media handles to ed **Build-O-Vate** was a two-phase event that put all of the students' skills to the test. With a logical and mental aptitude test in the first round to shortlist students for a completely new round, solving real-world problems and presenting them to our judges. This event was a huge success, with over 100 students taking part.

**AutoCAD Workshop** is our year's flagship event. The club adapted to the new changes imposed by the pandemic, and as a result, it collaborated with CADD Center Patna virtually to organize this workshop that lasted four weeks. With the participation of more than 90 students including students from other colleges as well, this event became even more successful; with increased accessibility and comfort, the event received more than 85 percent positive feedback. In **Topper's Talk**, a session was organized with AIR 01 Amit Sharma to interact and share his journey with the students, as GATE is the main competitive exam for Engineers and the event got participation of over 150 students educate and inform students about the practical applications of everything they are learning in class, which includes decoding the construction and structures of various buildings around the world.



# NON-TECHNICAL CLUB

## DANCE CLUB



**Total Chaos** the dance club of NIT Patna is a group of dance enthusiasts, living and experimenting through different forms of dance. We work relentlessly to keep this very art form alive in our campus, giving students a way to express their emotions in the form of dance. As the quote goes, "Unity in Diversity", our club believes in the same. The objective of our club is to bring all the culture at one place and showcase our talents together in a fun way. On January 17, 2021, our club organized an online orientation program for freshers to make them aware about our club and its objective and the response we got was overwhelming. In the month of January- February 2021, our club also conducted an online event for dance fanatics which took place on our official social media handle. The event was basically a dance competition for newly admitted freshers and sophomores. Priyanka Bharti (2k19 EE) and Yashashwi Harsh (2k20 Arch) were Star performers and Vaishnavi Chaudhary (2k20 EE) was declared as Ms. Popular for this event. Winners of the event were awarded with certificates and goodies. The Club was runner up at BITOTSAV'20 , the social-Cultural fest of BIT Meshra and also performed in IWWA(Indian Water Works Association) 52nd Annual Convention 2020 held at NIT Patna.

## LITERARY AND ART CLUB



**Expresso**, being the Arts and Literary Club of NIT Patna, had a tremendous year working with students to enhance their linguistic and writing skills as well as making them aware of the fascinating dimensions and illusions of art. We were instrumental in carrying out an array of events ranging from Debating sessions to Art tutorials and Guest Lectures like MUN Session, Turncoat, Digital Sketching Workshop, Talk Session. We collaborated with different NITs and IITs for various events which received humongous participation. We conducted the very first MUN Session of NIT Patna.

## MUSIC CLUB



**Saptak**, the music club of NIT Patna is a group of passionate and enthusiastic musicians who spread our love for music by organizing various events throughout the year which not only give fun and amusement for the students going through the hectic academic rigor but also helps in building a side hustle as well as improving their organizational abilities through managing various events. An orientation session was organized on 3rd January 2021, so that our freshers 2k20 get to know about our club and its fascinating artists. A spectacular online event "SIGMONE" was conducted for new vocalists and instrumentalists. To give a break to students from continuous online classes, a virtual party EDM night was hosted on the official Instagram page. Free live concerts featuring many artists have been frequently organized by the club in the recent year. A musical project was given to our newly inducted members which allowed them to work together and they did an exceptional job by making a beautiful cover song.

## DRAMA AND FILM CLUB



**Natvansh** is the dramatic society of NIT Patna that focuses on Acting, Mono act, Mimicry, Nukaad Natak, short films, cinematography and script writing and so on and so forth. During this Lockdown period and this year of everything online Drama club came up with various videos on our YouTube channel like informative related to Vaccination, Farmers, Independence Day and some funny videos and motivational videos as well. The club conducted an event called KAVYA SAMAR which was a poetic event on Instagram in which many people participated from our college and different colleges as well and the winner was awarded with a book set of the Shiva Trilogy by Amish Tripathi. One of the student, Anant Raj Singh from 2k13 batch got selected in FTI i.e., Film and Television institute of India, Pune. The Club organized an event named Lok Chetna Yatra of Mr. Geet Chaturvedi sir, who is the winner of Bharat Bhushan Agarwal award for poetry in 2007 and Krishna Pratap Award for fiction writing in 2014.

## TEDXNIITP



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. TEDxNITPatna organized NIT Patna's first ever TED Talk under the theme **SMALL IS THE NEW BIG**. As each talk requires a license to host, we got our license in November 2020. We got permission for hosting the event on 13th of March 2021. The speakers who gave the talk were Kevin Missal , Jeena Earthiva , Harshit Manocha and Mohit Sharma. The event was completely online and was streamed on YouTube on TEDxNITPatna's channel. We managed to invite several well-known people in their field including one of our own student innovators from NIT Patna to have a great platform to share his ideas.

## PHOTOGRAPHY CLUB



The main objective of the club is to bring together all photography enthusiasts of the institute and lead them towards collective learning through workshops, photo walks, and other activities. The club also functions as a media house inside the institute as it covers all sorts of events going on in the institute. The club is also responsible for publishing multiple videos capturing our institute. The official Aftermovies of the Techno-Cultural Fest ,the Freshers Welcome are made and published by **Vista** Club.

# SOCIAL CLUB

## E-CELL



**The Entrepreneurship Cell**, NIT Patna targets to help in the development of India's entrepreneurial ecosystem by enabling easy and efficient interaction between its major components spanning students, working professionals, aspiring and existing entrepreneurs, mentors, angel investors, venture capital firms and corporates through initiatives like interactive sessions, competitions and conferences. Entrepreneurship Cell NIT Patna organized an interactive session for the students of the institute which was delivered by Mr Sandeep Jain, Founder of Geeks for Geeks. Suit Up was one such virtual event organized specially to cater the freshers' ideas. This event required students to come up with the quirkiest ideas in 50 words and post it in their social media handles and win exciting gift vouchers. An enthusiastic bunch of people at E-cell are working to induce an entrepreneurial spirit into the students and to air an innovative streak in them.

## ALUMNI CELL



**The Alumni Cell**, NIT Patna is an official body working under the tutelage of the Dean of Alumni Affairs Office NIT Patna. The association endeavors to strengthen the relations of the alumni of the institute and their Alma mater. It is working towards growing the alumni network and creating and ascertaining their potential, which can then be categorized under various themes. This treasure of the Institute gained over its life will accordingly contribute on different fronts thus strengthening the Institute. A part of the work includes conducting alumni events, alumni connect, consultancy, and networking through speaker sessions, workshops, healthy discussions, and career advancement sessions. The very first activities initiated by the cell was a lecture series by the esteemed alumni. An Interview Segment with Alumni was organized which aimed at inviting alumni working across various domains to interact with the student team of the cell in the form of an interview.

## INCUBATION CENTRE



Government of Bihar unveiled the Bihar & Start Policy 2017 to foster entrepreneurship and selected NIT Patna as one of the pilot institutes. Accordingly, the Incubation Center was established by NIT Patna in order to collaborate with the government of Bihar to nurture entrepreneurship. It aimed at creating a start-up ecosystem not only in college but in the whole state. Incubation Center holds a vision of nurturing entrepreneurship in those people who have a passion for creating something of their own which can benefit the society, creating an ecosystem in which people can get out of their comfort zone and work on new ideas and technology to solve existing problems and make Bihar a hub of entrepreneurship and entrepreneurs. The Incubation Center focuses on creating a Physical Infrastructure that supports the incubation of business activities along with promoting professionalism by facilitating practices with professional resources, which include mentors, experts, industry professionals and consultant advisors for the incubated companies. The institute provides all basic infrastructural support, i.e., office space, meeting room, platform to do networking, management assistance and other support services. Many technologies/innovations which have potential for commercial ventures have been identified by the Incubation Center, NIT Patna. There are startups that have been incubated and funded by Incubation Center such as Shekhar Telesystem, Busy Mechanic, Onibus, Redtron Education.

**The Incubation Center** has also been successful in organizing various webinars, seminars and workshops for encouraging entrepreneurship. The key achievements include A three day workshop by NIESBUD on introduction to entrepreneurship and A Webinar on "Importance, Future, and Scope of Startup Culture in India" on the occasion of the first National Startup Day.

## NSS



**The National Service Scheme (NSS)** is an Indian government-sponsored public service program conducted by the Department of Youth Affairs and Sports of the Government of India. NSS aims at organizing events by the students themselves such that they can contribute towards our society and nation. For the past one and half year the country is fighting with the pandemic COVID-19. Suddenly all the things changed the way we connect to each other; the way we help others and the way we contribute to our society. Beside all these things we found the ways how we can still keep our motto alive and still contribute for upliftment of society. We organized events like Bharat aur Bharatiyata, Road Safety Awareness, Paryawaran Chetna, COVID-19 awareness.

Along with these campaigns and programs NSS-NITP continues to run its temple of education "Sankalp- Ghar Ghar Shiksha ka" where the students of our college itself took the responsibility of teaching students online from their homes so that their studies didn't get out of track. We used the "google classroom" platform as a mode of education and still the classes are going on with full flow.





**Corona & Melange** is the annual Techno-Cultural fest of NIT PATNA held in the month of January every year. From building prototypes to checking quizzes, exhilarating treasure hunts to a rocking band night, the event is extravagant.

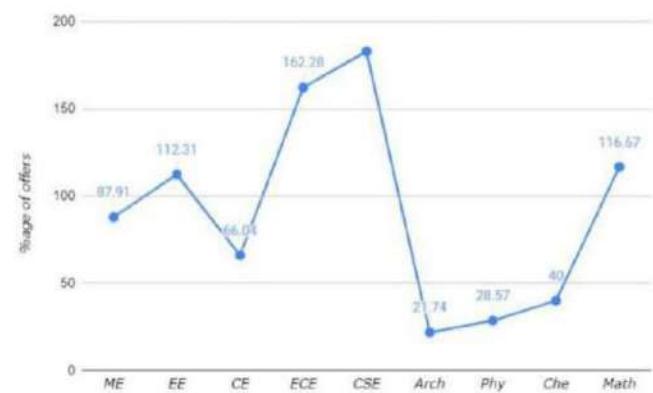
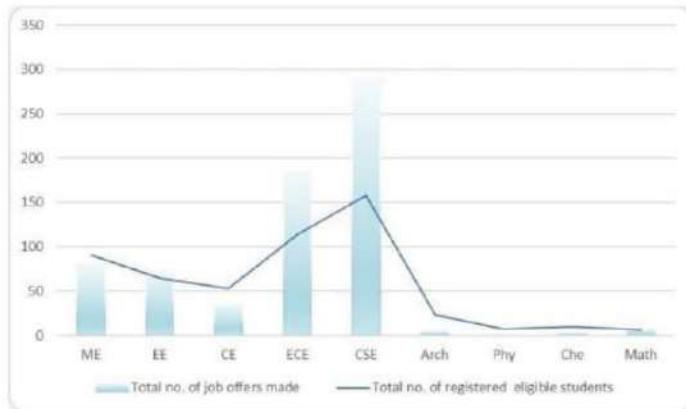
## **CORONA**

Corona is the technical fest of NIT PATNA. It attracts participants from almost all colleges of Bihar and other NITs and ITs. Aimed at providing a platform for showcasing the best and the latest innovations in the world of technology, it hosts a plethora of events such as Robowars, Circuit designing, Hackathons, Programming quizzes, Bridge designing, and Model Making. helps the students to showcase their talent and their engineering skills to use. Entirely managed by students, Corona provides the opportunity for aspiring scientists and managers alike.

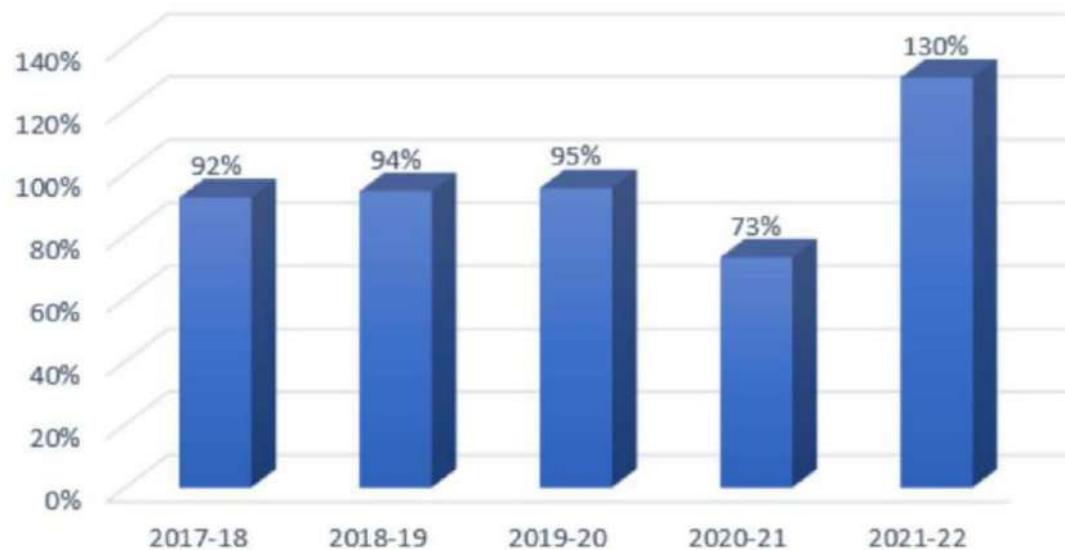
## **MELANGE**

Melange is the cultural fest of NIT Patna, It is a platform for all forms of art and culture. It includes dance, singing, arts, film making and many more events. From Wall painting to making origami, this cultural fiesta is full of other surprises. It also hosts the biggest pageant night of the fest in which students from different colleges fight for the Pratibimb Title. The eye-catcher of the fest is the Star Night followed by Band Night.

# PLACEMENT STATISTICS

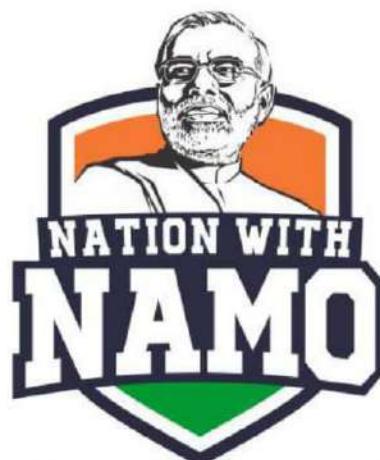


## Placement Percentage



# OUR PAST RECRUITERS

cogport



Linked in

Goldman  
Sachs

CGI fiserv.

Fractal ORACLE

CLOUDERA



ALSTOM

publicis  
sapient

SYNORIQ

AMERICAN  
EXPRESS

amazon.com

Adobe

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Infosys



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CAPITAL

accenture >



Altorum  
Leren.

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KANTAR

ITC INFOTECH

Business-friendly Solutions

ERICSSON

भारत इलेक्ट्रॉनिक्स  
BHARATELECTRONICS



A Navratna Company

eClerx

F1



Fanatics®

HashedIn

FactWise  
Groww

FEDERAL BANK  
YOUR PERFECT BANKING PARTNER

Incture™  
TECHNOLOGIES

infoedge

digit

infineon

intuit®

Capgemini



BYJU'S®  
The Learning App

TATA  
TATA METALIKS



HDFC BANK

EXL

Jio

Deloitte.

## **OUR PAST RECRUITERS**



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**darwinbox**



**OPTUM**

*Good for the system.™*



**BrightCHAMPS**

WINDOW TO NEXTGEN SKILLS



KANTAR



*L&T Infotech*

**SAMSUNG**

**Paytm**

**peoplestrong<sup>TM</sup>**



**Hexa**view

**Sabre**<sup>®</sup>



**SmartCoin**

MADE IN BHARAT



**Cashfree**

**Cognizant**



# OUR PAST RECRUITERS



TATA PROJECTS



Winjit  
ZenSar



Reliance  
Industries Limited



# OUR PAST RECRUITERS

## A

Accenture  
Aditya Birla Capital  
Adobe (MTS)  
Allen Career Institute  
Alstom  
Altorum Leren  
Amazon  
Amazon Berlin  
American Express  
Atlassian

## B

Bharat Electronics Ltd.  
Blog Vault  
BNY Mellon  
BPCL  
Brightchamps  
Byju's (Content Associates)  
Byju's (Faculty Role)

## C

Capgemini  
Cashfree Payment  
CGI  
ClearWaterAnalytics  
Cloud Era  
Cognizant  
Cogoport  
College Dunia

Cubastion

Cvent

## D

Darwinbox  
Darwinbox(Revisit)  
Deloitte  
DeltaX  
Digit Infotech  
Dotpe

## E

eClerx  
Engineers India Ltd.  
Ericsson  
Espoir  
EXL

## F

Facebook  
Factwise  
Fanatics  
Federal Bank  
Fiserv  
Forcebolt  
Fractal AI

**G**

Ganit  
GoDigit  
General Insurance  
Goldman Sachs  
Google  
Groww

**K**

Kantar Analytics Practice  
Keysight  
Kreeti

**L**

LinkedIn  
LnT ECC  
Logic Fruit  
Lowe's India  
LTI

**M**

Maruti Suzuki  
MathWorks  
Meesho  
Merilytics  
Metyis  
Microsoft  
Mobikwik

**N**

Nation With Namo

**O**

OLA  
Optum  
Oracle

**I**

ICICI Bank  
Increff  
Incture  
Infineon  
Infoedge  
Infosys  
Innovaccer  
Intuit  
ITC  
Infotech Guwahati

**J**

Josh Tech  
JSW-Calyxpod

P

Paperpedia  
Parth Universal  
Paytm  
People Strong Technologies  
PIE Infocomm  
Piramal  
Piramal Group (Revisit)  
PK Global

T

Tata Metaliks Ltd.  
Tata Project  
Telesys Software  
Tiger Analytics  
TransOrg  
Tredence  
Tricon Infotech

U

UltraTech  
UltraTech

V

Virtusa

W

Walkover  
Winjit Technology

Y

Yamaha Motors

Z

Zensar Corporation  
ZS Associates

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Qbits labs

R

Rapido  
Reliance Jio  
RIL

S

Sabre  
Samsung Noida  
Sapient  
Smart Coin  
Snapdeal  
Sonata  
Splash Learn  
Subex  
Synopsys  
Synoriq



# PLACEMENT PROCEDURES

1. The TPC sends invitations to the companies.
2. The company fills up the Job Announcement Form.
3. The date for pre-placement talks is finalized by the TPC after consulting with the companies.
4. Students register for various companies.
5. Companies' officials conduct pre-placement talks.
6. A Placement schedule is finalized by the TPC in consultation with the companies,
7. The Placement session begins and companies evaluate the students.
8. A List of selected candidates along with the offer letter is sent to the TPC. The Placement session ends.



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