We wish you a Happy New Year
IITD News

Placement@IITD - 2019

Over 960 students at IIT Delhi received job offers in the first phase of placement that started on December 1 and ended on December 13. On Day 1, 244 offers were given. Students have bagged 187 pre-placement offers (PPOs) this time, an increase of 8% over last year. A hike of around 10% has been witnessed in the total number of job offers up to now received by the campus. The first phase of the placement season witnessed the highest numbers in terms of selection of students and crossed all benchmarks of the previous years. Around 400+ organisations registered for the recruitment season for this academic year and offered 600+ job profiles.

Total Job Offers: 967
Domestic Offers: 943
International Offers: 24

Some companies who made domestic job offers include Microsoft with 30 offers including two international offers, Intel - 27 offers, Qualcomm - 16 offers, Societe Generale - 13 offers, Goldman Sachs - 12 offers, Mastercard - 11 offers, Standard Chartered - 10 offers among others. Other international offers include Uber USA, Squarepoint Singapore, TSMC Taiwan, Denso Japan, Fast Retailing, etc. The highest number of job offers that have been received by the institute are from the core sector (217), while the second position was taken by IT (204) followed by Analytics (108).

Prof V. Ramgopal Rao, Director, IIT Delhi, said, “I am happy to note that IIT Delhi is becoming a preferred destination for recruiters. We are also promoting entrepreneurship activities on the campus. Students are also availing the deferred placement options for working on their startups. Overall, we are happy with the placement offers our students are receiving.

Students have been placed in the sectors of their choice, and the recruiters also made it select the best minds of the institute. The efforts of the entire placement team including staff, student coordinators and volunteers coupled with the industry players across multiple domains resulted in this steady increase of job numbers.
IIT Bhubaneswar and IIT Kharagpur conducted the mega extravaganza 54th Inter IIT Sports Meet between 14th to 21st Dec 2019 at the greenfield sports complex with a sense of style and grandeur.

After a challenging week, the IIT Delhi sports contingent placed second in the overall general championship and maintained their record of producing stellar performances as they went on to win 4 gold medals, 6 silver medals and 1 bronze medal. The sports-wise medal count is as follows:

Volleyball (Men): Gold  
Athletics (Women): Gold  
Cricket: Gold  
Basketball (Men): Gold  
Volleyball (Women): Silver  
Table Tennis (Women): Silver  
Athletics (Men): Silver  
Athletics (Overall): Silver  
Hockey: Silver  
Chess: Silver  
Badminton (Men): Bronze

In addition to this, out of the 12 sports part of the meet, IIT Delhi players bagged the coveted best player award in 8 of them including athletics, cricket and volleyball.
Alumni Day 2019

This year (2019), the 7th edition of the Alumni Day was held on 22nd December witnessing a footfall of about 1300 people. The event which was organised by IIT Delhi Alumni Association was held in the IIT campus with a focus on the theme of “Leading IIT Delhi to the Pinnacle”.

It was a day filled with activities, entertainment and fun attractions. A spectacular cultural music program by the widely acclaimed rock band “Indian Ocean” followed by sumptuous food helped produce a relaxing ambience and ensure that the flagship event of IITDAA was a success. Dr. Mohit Aron (1995 batch, CSE) announced a commitment of $1 Million to IIT Delhi Endowment Fund during the event.

The IIT Delhi Alumni Day startup expo was held in the wind tunnel area inside the campus. Here they were given an opportunity to pitch their startup ideas, meets VCs and investors and also get mentored by fellow IITD alumni.

In addition to these events, there were several exciting events arranged for families and children as well like workshops and storytelling sessions. The day ended with a splendid networking dinner at Nalanda grounds, where everyone was provided with the opportunity to interact with fellow alumni and faculty.

Silver Jubilee Reunion - Batch 1995

IIT Delhi had a grand celebration for Silver Jubilee Reunion of batch 1995 on 20th December 2019. The reunion lasted two days, where each alumnus went back down memory lane, experiencing the bond encore which they had in between them. Prof V Ramgopal Rao, Director, IIT Delhi, along with Prof Sanjeev Sanghi, Dean AAIP, enlightened the alumni with their speeches. Prof Ramgopal Rao also briefed them about the initiative of the IIT Delhi Endowment fund and its benefits to the institute and called out to the alumni to contribute generously to the endowment fund.

The event provided an excellent stand for deep engagement, networking and sharing of thoughts. Faculties who taught the batch and other senior faculties also also graced the day by interacting with the attendees. The alumni were very fascinated by the constructional changes in the campus and were joyous throughout the event.
IIT Delhi rejoiced two days of Pearl Reunion for the batch of 1985 on 27th and 28th December 2019. Many alumni attended the celebrations along with their families notwithstanding the record cold weather of Delhi. The gathering started on the afternoon of 27th December followed by the department visits which focussed on the recent innovation leaps of the institute. The reunion dinner at OAT was the highlight of the event, where everyone cherished the golden memories of their youth with lip smacking food.

The next day on 28th December, the batch had a great time engaging with the Director Prof V Ramgopal Rao, Dean AAIP Prof Sanjeev Sanghi, and other senior faculties of the Institute. Then the Director held a special meeting in the Senate Room where he shared the story of IITD’s evolution over the years, along with reconnecting with alumni. He also emphasized the importance of every alumni contributing to the recently launched Endowment Fund. The day ended with a hearty lunch and the alumni proceeded with informal meetings to bond more and bid farewell to each other.

25th AGM of IIT D (FITT)

The Foundation for Innovation and Technology Transfer (FITT), which is a leading technology commercialization organization from academia, has completed 25 years as a self-sustained non-profit body. It’s more of a functional matrix now given the varied yet overlapping nature of the activities at FITT.

FITT has helped in the filing of over 700 patents for IIT Delhi and works to increase the licensing deals. Over 90 technologies have since been commercialized. Directed research and innovation programs can lead to impactful solutions in the areas of manufacturing, infrastructure, cleanliness, water, energy, financial inclusion, etc.
IITD NEWS

IIT Delhi Files 150 Patents in the Year 2019

In 2019, IIT Delhi the highest number (150) of IPs (patents, designs, etc.) in a year ever. These patents, both national and international, have been filed by the Foundation for Innovation and Technology Transfer (FITT), an industry-interface organization at the premier institute.

This is a 20% increase from the 2018 figures. While lauding the FITT team on this achievement, Prof Ramgopal Rao, Director, IIT Delhi said: “Compared to last year, we have seen a four-fold increase in revenue from our IP licensing activities. We hope to maintain the momentum and set benchmarks in the country. At the Institute, we have also initiated programs to foster increased student and faculty participation in deep technology start-ups that are backed by strong IP.”

Dr Anil Wali, MD, FITT cited innovations such as a production of fuel from e-waste, a unique wearable device for measuring pulse pressure, bulletproof clothing that enables transmission and reception of electronic signals and a water-based method for producing anti-coagulant agent Warfarin, a technique to improve 5G wireless communication and a device to attenuate indoor air pollution marked the year.

He also emphasized on FITT’s mission to be an effective outreach and interface platform to, among other things, enable innovations, promote commercialization of science & technology and encourage research spin-offs.

ReNew Power-IIT Delhi Centre of Excellence

The Centre of Excellence(COE) for energy and environment was set up in collaboration of IIT Delhi with ReNew Power Ventures Pvt. Ltd., a renewable energy company. The center is holding up in the electrical department of the university.

IIT Delhi and ReNew Power recognize their strength in research and education in more than one discipline of science, engineering, management, and social sciences and their mutual interests in engaging themselves in academic cooperation. An MoU was signed in the presence of the Hon’ble President of India at the Rashtrapati Bhavan. Under the MOU, ReNew Power and IITD will establish a Chair in the area of Renewable Energy and Storage with representatives from both the entities.

Prof. V. Ramagopal Rao, Director, IIT Delhi, said, "It is quite satisfying for us that IITD is partnering with Renew Power, which has been established by our alumnus, and I am confident that Sumant’s proven leadership will be a great inspiration for young students in our institute and will inspire them to think green."
IITD NEWS

Two-day Workshop on Fire Safety of Civil Engineering Infrastructure

This two-day workshop provided a platform to each participant to gain valuable fundamental knowledge in structural fire engineering for an informed, robust, and safe structural design. It was conducted as a lecture series delivered by eminent personalities in structural fire engineering around the world. Dr David Lange and Dr Cristian Maluk from the University of Queensland and Prof Vasant Matsagar from IIT Delhi addressed the event.

In fire safety design, foremost importance is given to life safety of the occupants in the structure. Hence, it is pivotal to understand how different occupancies in a structure will develop the chances of occurrence of fire hazard. It is because fire can be caused due to both internal and external agencies and behaviour of structure would be different in each scenario. This fire development can be said to be comprised of four stages: incipient, growth, fully developed, and decay.

IIT Delhi Delegation Visits Different Nations to Promote ASEAN PhD Fellowship Programme

An IIT Delhi delegation led by Prof. Nomesh Bolia visited Vietnam, Malaysia, Thailand, Myanmar, Brunei, Singapore, Laos, Cambodia and Indonesia in December 2019 to promote the prestigious ASEAN PhD Fellowship Programme. The programme was announced by PM Shri Narendra Modi on 25th January 2018 in the presence of leaders from ASEAN member states. The IITD delegation visited various educational institutions in Vietnamese cities like Ho Chi Minh and Hanoi to create awareness about the fully funded 1000 PhD Fellowships to ASEAN students in the 23 IITs of India. IIT Delhi is the coordinating IIT for the ASEAN PhD Fellowship Programme and its faculty member Prof. Nomesh Bolia is the National Coordinator. Prof Sudipto Mukherjee, Dean (Faculty), IIT Delhi and Prof. S. Pradyumna were also the members of the delegation.
Facial Recognition, AI way - Nable IT

From the time of its inception in early 2018, Nable IT has experienced phenomenal growth both on its performance and interests from clients worldwide. The company has a twofold focus -

1) To help clients adopt the emerging technologies of Artificial Intelligence and Machine Learning in their respective businesses
2) To offer niche IT consultancy services from strategy to execution to global companies and various IT service providers.

Nable IT was nominated as one of the top startups in India. In 2019, the company opened a liaison office in the USA. It inked partnership agreements with Jaira, a company founded by Carnegie Mellon University (CMU), USA and Indian Institute of Technology (IIT), New Delhi. Nable IT now has an incubation center at the IIT Delhi campus that focuses on applications of AI/ML Technologies. They plan to be a full-stack provider in Machine Learning and Artificial Intelligence. Computer Vision will be taken to a further extent to Object Recognition after Facial Recognition, Expressions, Posture Analysis, and Full Augmented Reality and Virtual Reality. Predictive Analytics will be used to model problems in the Oil and Gas Industry and Quick Service Restaurants, and any other Verticals and Applications as required. The application areas are very vast, and they plan to build more solutions and go global with the Make in India technologies.

Towards Green Mobility - Trydan CleanTech

Trydan CleanTech is an IIT Delhi incubated, Electric Mobility Startup. Trydan is keen to break the stigma around EVs and achieve the goal of Green Mobility in India and has been recognised by the department of industrial policy and promotion.

Mayan Kansal, one of the co-founders of Trydan Clean Tech discussed regarding the challenges he faced and the future direction of his startup in a recent interview. Because of the new market all the stakeholders including policy makers are still refining their technologies according to the Indian conditions. He went on to state that the low penetration of EVs in the Indian market has been one of his toughest obstacles to overcome and that his company has been working towards solutions on these lines since day one. EVMS have become the need of the hour and hence he has already begun talks with the Delhi metro to deploy the prototypes in the EV fleets from the metro stations.

Facial recognition—The AI way - Nable IT

Towards Green Mobility - Trydan CleanTech
Lighter Aerated Cement Developed using Industrial Waste

Researchers at the Indian Institute of Technology, Delhi, have produced aerated concrete with fly ash, a waste from thermal power plants. Aerated concrete produced has a more uniform dispersion of air voids and high surface areas than those available on the market, making them lighter in weight. Aerated concrete autoclaved (AAC) is a highly demanded building material.

The technology developed by Professor Ashok N. Bhaskarwar and his team from IIT Delhi, with the help of the Waste Management Technologies (WMT) Program of the Department of Science & Technology, Government of India, could significantly reduce the cost of manufacturing AAC.

Energy Storage Device for Meeting the Energy Needs

Researchers at IIT Delhi have produced a small and medium-scale energy storage device that can play a pivotal role in meeting the country's future energy needs.

One of the storage options currently showing significant potential is the Vanadium Redox Flow Battery (VRFB). Prof. Anil Verma of the Chemical Engineering Department is the PI of the project. Prof Verma said, "In the Indian scenario, where we need to serve a large number of isolated pockets of population, small and medium energy storage and utilization are more important."

IIT Delhi is working on the VRFB research project financed by the Department of Science and Technology, Gov. OKAYA Power Pvt Ltd. is the industrial partner of the project. Professor B.K. Panigrahi, Department of Electrical Engineering, IIT Delhi, is working on integrating the battery pack to the application. The research group led by Prof. Verma recently addressed some of the engineering challenges in the Journal of High Impact Factors (Chemical Engineering Journal).

Dental Implants Developed by IITD Researchers set for Commercialization

Inspired by the "Make In India" campaign, IIT Delhi researchers have designed and developed a dental implant system suitable for millions of smiles. Prof. Naresh Bhatnagar, Dept of Mechanical Engg, IIT Delhi, was the principal investigator of the CSIR-funded project. Prof. Bhatnagar has led this research for almost a decade. The developed technology has successfully cleared animal and several clinical trials and is moved to the industrial partner M / s Innvolution Healthcare Pvt. Ltd. for commercialization on a larger scale.

The design of these implants started in 2007 at IITD under the Nationally Evolved Project (NEP) under the aegis of Council of Scientific and Industrial Research (CSIR) along with Maulana Azad Institute of Dental Sciences (MAIDS), Delhi. PM Shri Narendra Modi appreciated IIT Delhi, Maulana Azad Institute of Dental Sciences (MAIDS), and CSIR for developing indigenous technology for dental implants.
INTERNATIONAL DELEGATIONS VISITED IIT DELHI

A. A 3 members delegation from University of Victoria visited IIT Delhi; 11th Dec 2019.
B. A group of 17 members from National Centre for Good Governance (NCGG) visited IIT Delhi; 12th Dec 2019.
C. Prof. Vladimiro Miranda from INESC Technology & Science, Portugal visited IIT Delhi; 12th Dec 2019.
D. A 5 members delegation from Guangxi Administrative College, China visited IIT Delhi; 31st Dec 2019.
E. A 3 member’s delegation from Georgia Institute of Technology, USA visited IIT Delhi; 09th Dec 2019.

International delegations received at IIT Delhi

A. A 3 members delegation from University of Victoria visited IIT Delhi; 11th Dec 2019.
B. A group of 17 members from National Centre for Good Governance (NCGG) visited IIT Delhi; 12th Dec 2019.
C. Prof. Vladimiro Miranda from INESC Technology & Science, Portugal visited IIT Delhi; 12th Dec 2019.
D. A 5 members delegation from Guangxi Administrative College, China visited IIT Delhi; 31st Dec 2019.
E. A 3 member’s delegation from Georgia Institute of Technology, USA visited IIT Delhi; 09th Dec 2019.

INTERNATIONAL DELEGATIONS VISITED IIT DELHI
Million Sparks Foundation

Dr. Mona Mathur(Ph.D., Computational Neuroscience, 2002) and Dr Abhinav Mathur(Ph.D., Communication Networks, 2000) have set up a non profit Million Sparks Foundation to impact an extremely crucial yet a very neglected area of teacher capacity building with a focus on teachers of government schools and schools that serve low income and underprivileged communities. Million Sparks has built a collaborative mobile application platform “ChalkLit” and in 3 years is providing lifelong learning to 220K+ teachers that are impacting the life and learning outcomes of 14M+ students in 6 states of India - Delhi, Goa, Haryana, Uttar Pradesh, Chhattisgarh and Odisha.

Mumbai-based Eduisfun Draws Rs 200cr investment

Mumbai-based edtech startup Eduisfun Technologies Pvt. Ltd. on Tuesday said it received investment of Rs 200 crore from angel investors as well as high networth individuals (HNIs), including Bollywood megastar Amitabh Bachchan and HDFC Chairman Deepak Parekh. Eduisfun’s STEPApp, a gamified learning app, was unveiled earlier this month by the company’s Founder CEO Praveen Tyagi. Eduisfun offers high-quality content for Class 1 to Class 10th CBSE/ICSE/SSC and Olympiad. Through its gamified format, STEPapp aims to give children conceptual clarity in math and science. Besides Praveen Tyagi(BTech Civil Engg, batch 1995), the core team of Eduisfun includes Jatin Solanki, Sandeep Singhal, and Gaurav Goyal(BTech Civil Engg, batch 2006).
Grofers Expands, Achieves Annualised Gross Merchandise Value of $700 Million

Online grocery retailer Grofers has expanded its services to 27 cities from current 14, including concentric circles such as Vadodara, Meerut, Rohtak, Panipat, Agra, and Durgapur. Launched in 2014 by Albinder Dhindsa (B.Tech., 2004) and Saurabh Kumar, Grofers’s online grocery platform has enabled it to tap into the fast growing middle income communities in urban India. Over the last two years, Grofers’ technology platform and focus on core markets has helped it grow a staggering 800% to achieve an annualised gross merchandise value of $700 million.

Mavyn Logistics has tied up with Grofers for providing end-to-end solutions for the online grocery retailer.

Vizbee Robotic Solutions Finish 4th in Airbus Global Challenge

Airbus defence and space launched the “Global Earth Observation Challenge” in August 2019. This was a 4 month event started with the purpose of encouraging startups worldwide to innovate and develop new applications based on airbus satellite data and to produce ground breaking solutions to the existing problems on Earth.

Vizzbee Robotic Solutions Private limited is an early stage start-up founded by Ayush Jindhal (BTech Industrial Production batch 2019). He is presently a design innovative fellow at IIT Delhi working under the guidance of professor Sumantra Dutta Roy.

Vizzbee Robotech Solutions participated in the 4 month long event and finished in an incredible 4th position out of the 140+ startups which took part from 44 different countries. Vizzbee has already been named as one of the best startups to work at in 2020 by Globusoft.

Shadowfax Raises Rs 430 Crore in Funding Led by Flipkart

Logistics firm Shadowfax has raised around Rs 430 crore in a funding round led by e-commerce player Flipkart. Eight Roads Ventures, NGP Capital, Qualcomm Ventures, Mirae Asset Naver Fund, and the World Bank-backed IFC also participated in the funding round, a joint statement by Shadowfax and Flipkart said.

Shadowfax CEO Abhishek Bansal(B.Tech., Production and Industrial Engineering, 2012) said with this capital infusion, Shadowfax plans to invest extensively in building long-term capabilities, which are essential to developing an efficient and superior service quality ecosystem in Indian logistics. This strategic integration with Flipkart and its global best practices will not only unlock huge opportunities for Shadowfax but will also enable them to innovate with the largest online platform in India and build core capabilities that can be democratized for the larger logistics ecosystem.
PeopleStrong Acquires Enterprise Tech Startup Qilo to Enhance Operations

With the partnership, PeopleStrong will help its clients seamlessly execute strategy Qilo platform is said to help businesses to increase revenue, saves time, and more. Gurugram-based HRtech startup PeopleStrong, on Monday (December 23), announced that it had acquired Noida-based enterprise tech startup Qilo. PeopleStrong was founded in 2005 by Pankaj Bansal and Shelly Singh, along with Vishal Saha (B.Tech., Civil Engineering 1999). Vishal Saha, founder, and CTO, PeopleStrong believes that the enterprises need to adopt applications that are not only seamlessly connected but can help people achieve more in everything they do.

CarDekho Raises $70 Mn in Funding led by China’s Ping An’s Global Voyager Fund

Auto portal CarDekho said it had raised USD 70 million (about Rs 500 crore) in Series D funding, led by China’s Ping An’s Global Voyager Fund. Ping An is one of the world’s largest financial services companies and is also the majority shareholder of China’s largest auto portal Autohome. These funds will be used to strengthen the company’s transaction businesses further and expand its international footprint.

CarDekho had launched its Indonesia operations in 2016 under the brand name OTO.com. “With the latest fundraise, we will continue to strengthen our domestic and international businesses and will aggressively work towards becoming the largest personal mobility ecosystem in the country,” CarDekho CEO and co-founder Amit Jain (B.Tech., Civil Engineering, 1999) said.

These IIT Delhi Alumni Want Their Online Marketplace to Create Mass Appeal for Ethical and Earth Friendly Products

Leap Club is an online marketplace founded in January 2019 by Shubham Bansal (BTech EP 2014 Batch) and Divish Gupta (Dual-Degree B. Tech. in Electrical Engineering and M. Tech. in Information and Communication Technology 2015 Batch) for products that are environmentally friendly and ethically produced. The products on offer at present include toxin-free skincare products, pesticide and preservative-free foods (including pulses, chocolates, coffee, ghee, and more), and reusable feminine hygiene products. They have partnered with Auroville units in Puducherry to launch these products. The bootstrapped venture, which has also got support from Social Alpha, a not-for-profit platform that fund and support entrepreneurial social enterprises, has got over 100 products on its platform.
GIVE BACK TO IIT DELHI
(December 2019)

IIT DELHI ENDOWMENT FUND
COMMITMENTS (Contd.)

Mohit Aron - US$ 1 Million

RUBY REUNION (1979 Batch)

Endowment Cumulative Fund - INR 1 Crore

Tower Research Capital Scholarship: INR 2 Lakhs
Microsoft Scholarship: INR 1 Lakh
Prof Hongfu Zhou: INR 1.7 Lakhs

SAVE THE DATE

RUBY REUNION (1979 BATCH)
Jan 31st- 2019 to 02nd Feb 2020