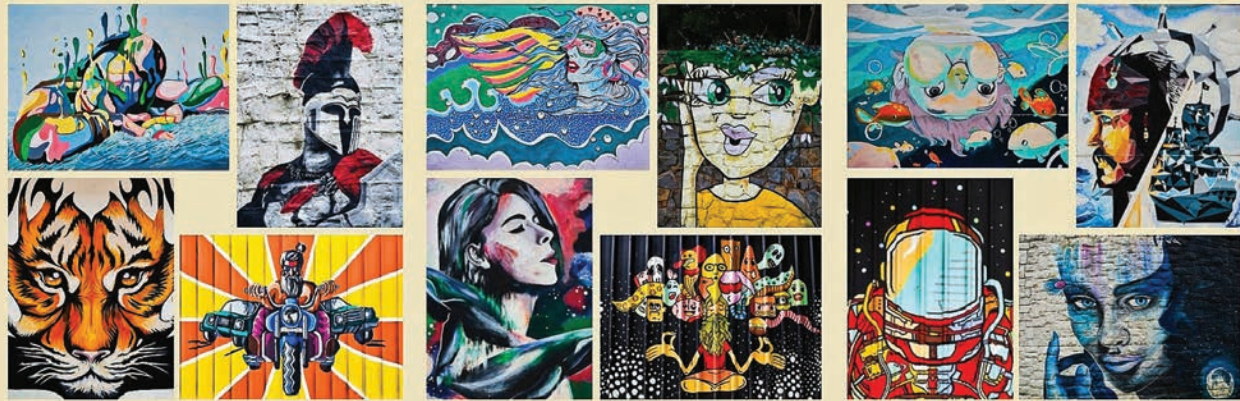




## Art Around IITD



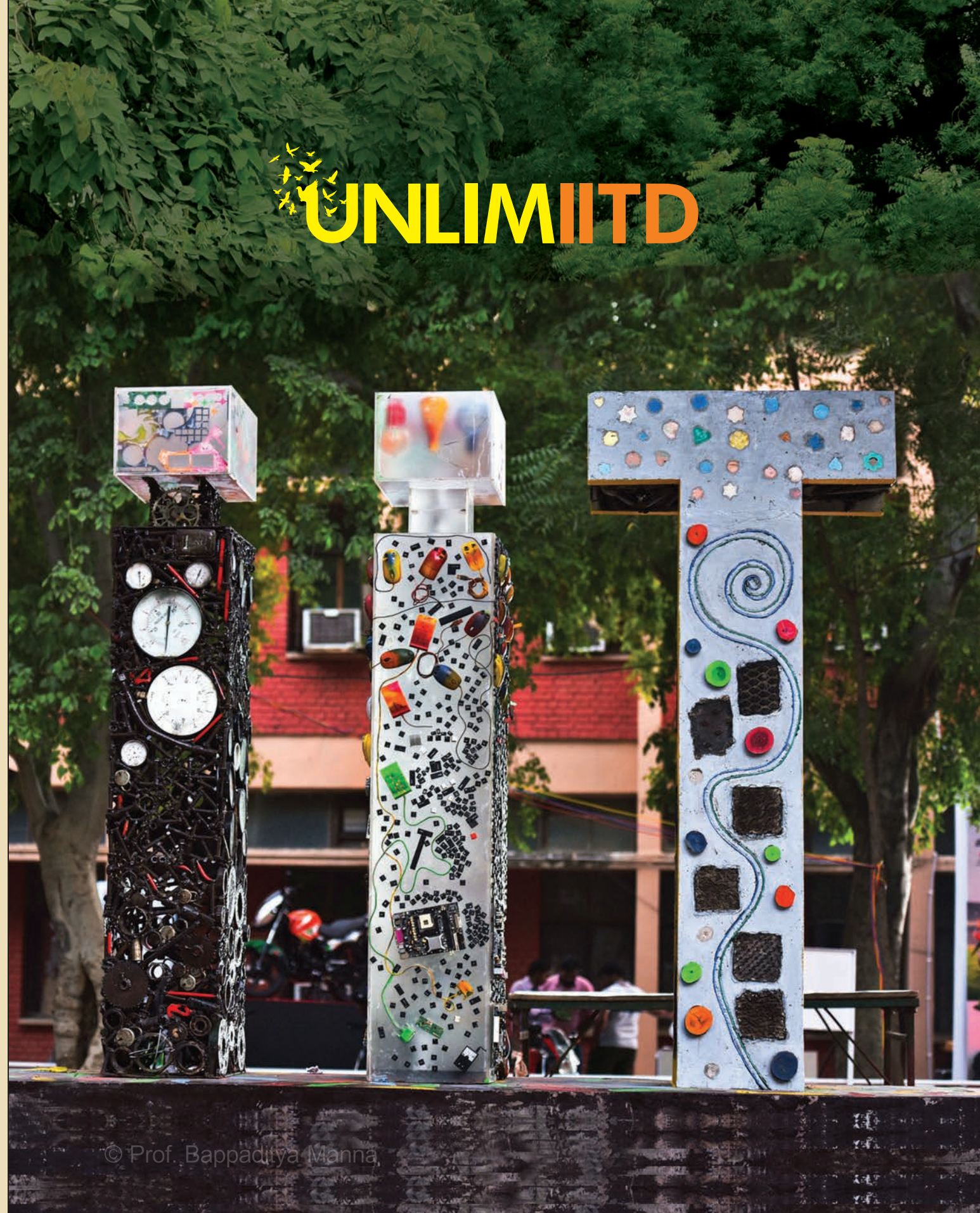
Front and Back Cover Picture and Collage Courtesy: Prof. Bappaditya Manna, IIT Delhi  
 Content: Prachi Sinha, Office of Dean Faculty, IIT Delhi



Indian Institute of Technology Delhi  
 Hauz Khas, New Delhi-110 016, INDIA  
 Phone: 011-26591729  
 E-mail: pro@iitd.ac.in

**Forthcoming**  
*The Flower Series*

cygnusadvertising.in



© Prof. Bappaditya Manna



UnlimIITD



The Bird Series



## Director's Message

Welcome to IIT Delhi. If you are looking for an opportunity to work in a world-class institution in India, you have come to the right place! Here at IIT Delhi we have adopted a simple philosophy: Hire brilliant minds, create the right atmosphere for them to flourish and then step back and watch them grow into world-leaders. The first part of this three part formula is ably conducted by my colleagues in their respective departments and centres, many of whom you know as prominent researchers

in their areas, and the third part of this formula is in your hands. As the Head of this great institution, let me share our collective vision regarding the second part, the critical link, that takes you from a new hire to a leader in your field.

First, let me tell you about the place you will live your life when you join us: We are located in the vibrant part of the national capital that is popularly called South Delhi.

It is a picturesque 325 acre campus, with some of the country's finest schools, a crèche on campus and many world class research institutions and hospitals within a 2 KM radius. The campus location takes care of most of your worries — from infant or school-going children to working spouses and old parents.

Once your personal life is taken care of, you will, naturally, think of the research environment we offer. We recognise that contemporary research extends beyond theoretical work and we have striven to create a pool of high-end central research facilities with open access to our entire research community. Our experimental facilities, worth US\$ 30 Million, including a 1-Petaflop high performance computation facility, don't just provide you all the resources you need for your research, they also stand as a concrete promise that the expansion and augmentation of existing facilities and the deployment of new facilities is the institute's topmost priority. For the purposes of further growth, IIT Delhi also has created two extension campuses in Sonapat and Jhajjar, measuring an additional 100 acres, which are to be primarily used for research and outreach activities. Major infrastructure projects amounting to over US\$ 100 Million are currently being taken up in the institute to accommodate the expansion needs of the institute.

But growth without vision is incomplete so let me share our vision with you: Our primary goal is to facilitate and grow research in individual disciplines while at the same time encourage and catalyse interdisciplinary research. We lay great emphasis on technology startups and are currently building three massive Science and Technology parks to foster closer industry interactions. We hope to be a global player by creating and transferring cutting edge technologies and providing our mindshare to policy development in an increasingly technology-driven world.

Come and be a part of the IIT Delhi fraternity. We welcome bright minds and nationality is no restriction.

Prof. V Ramgopal Rao

66

*True motivation comes from achievement, personal development, job satisfaction, and recognition*

– Frederick Herzberg, *Founder of Employment Motivation Theory*

## Why you'll love working at IIT Delhi...

Research thrives in our 30 academic units that garner faculty and students across disciplines to explore new academic limits and address the most challenging problems of the world. As per QS World University Ranking 2018, IIT Delhi was ranked 39 in terms of Citations per Faculty.

IIT Delhi goes the extra mile to unlock the entrepreneurial mindset of students and faculty. Foundation for Innovation and Technology Transfer (FITT-IITD) which is an industry interface of the institute, offers a platform to budding entrepreneurs by providing them infrastructural, management and networking support to convert their ideas into reality. It has incubated around 100 startups so far. Through FIRE (Faculty Innovation and Research Driven Entrepreneurship) faculty is egged on to work on solving societal problems. They get one year of paid leave and two years of unpaid leave along with a grant of 5 million INR to develop their startup.

IIT Delhi recognizes the importance of being tuned to the fast-changing needs of the industry. To cater to this, a cadre of Professor of Practice has been introduced to promote integration of academia with practical experience. The IIT now seeks individuals with significant professional experience outside the academia to teach at IIT Delhi.

Apart from providing numerous opportunities and platforms for faculty to grow continuously, each faculty is given a seed grant of 2 million INR at the time of joining to jump start their professional growth. The institute also backs research of the students and faculty through high end equipment maintained centrally.

## Why you'll love living in IIT Delhi...

IIT Delhi is a green and vibrant campus in the heart of Delhi. The campus is an oasis in the hustle and bustle of the capital city, providing the best of both worlds, a quiet and safe space to live in with easy access via public transport to any other part of the city. In this issue, we introduce you to the birds on campus.

IIT Delhi has sporting and recreational facilities to keep you in good shape. An Olympic sized swimming pool, tennis courts, squash, basketball, cricket and football fields, table tennis, badminton, to name a few. Spacious apartments and residential bungalows alongside the academic area cuts away the urban commute. IIT Delhi also has modern crèches to take care of your kids while you work, as we strive to provide the ideal work-life balance for our community.

We welcome you to the most vibrant part of capital, the "South Delhi", where heritage blends with modern conveniences in a celebration of diversity, innovation and creativity.

*Take the metro from IIT main gate to the airport or the 'parathe wali gali'!*

Come and find yourself by losing yourself!

© Prof. Bappaditya Manna



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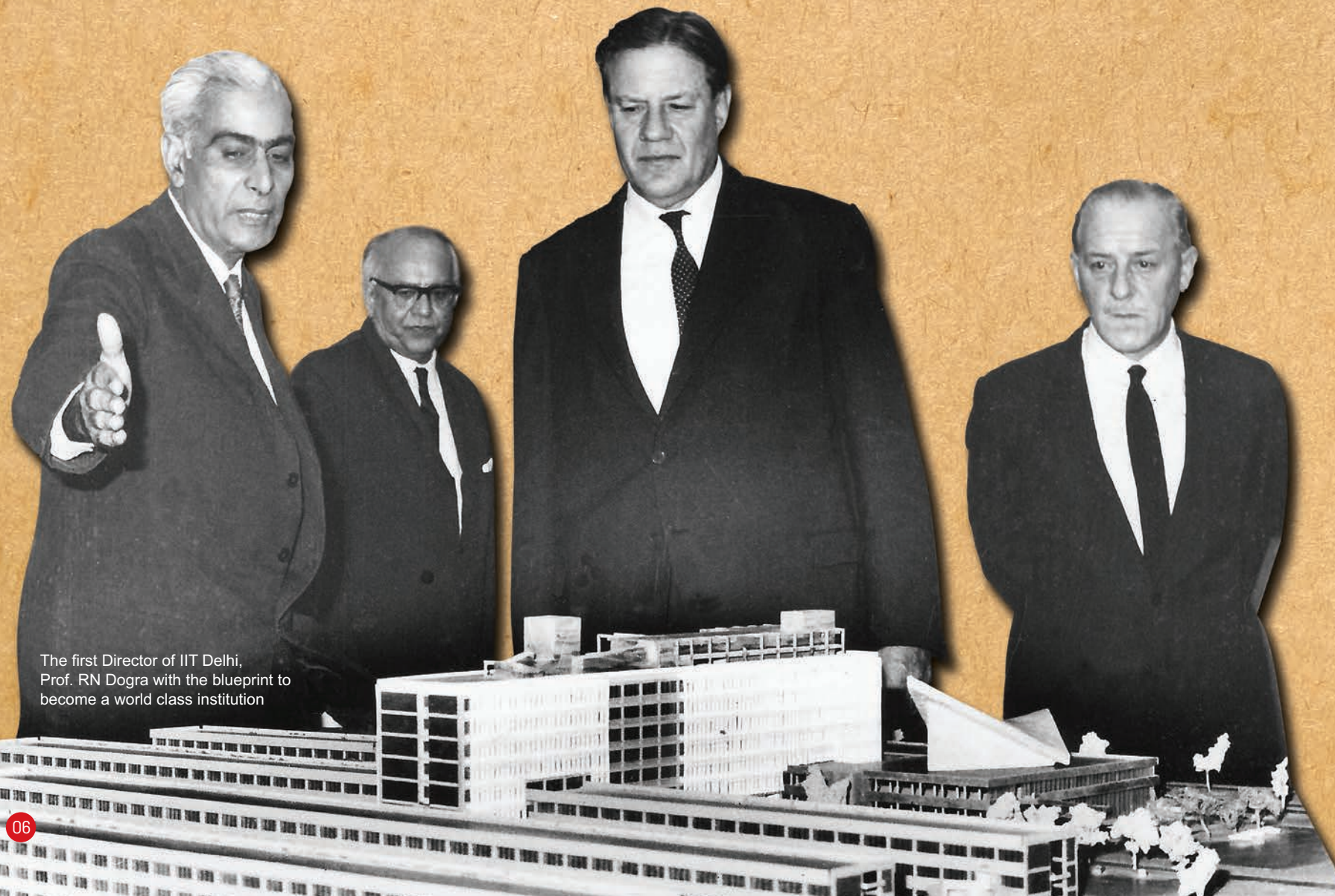
*The Asian Koel, known for her melodious voice, enchants you with her song "Shubh Swagatam", meaning "heartiest welcome" on your arrival to the Indian Institute of Technology Delhi!*

”



Photo courtesy: Dr. Manish Kumar, IIT Delhi

# The best way to predict the future is to create iit!



The first Director of IIT Delhi, Prof. RN Dogra with the blueprint to become a world class institution

© Prof. Bappadiya Manna



Newly constructed Lecture Hall Complex



© Prof. Bappadiya Manna




© Prof. Bappadiya Manna

The Indian Institute of Technology Delhi was established in 1961, as part of the league of those institutions which would shape the future of scientific and technological progress in the country. In 1963 it was accorded the status of "Institute of National Importance" having full autonomy in deciding its academic policy.

With 57 years of accomplishments behind, in 2018 it added another feather to its cap and was awarded the "Institution of Eminence" status by the Government of India. Moving on, IIT Delhi works to make knowledge a means for serving society. The institute looks to mobilize resources from industry through a network of high achieving alumni to give shape to its vision. Our pursuit is to think beyond our professional commitments and make this planet a better place to live!





*Just as the Tailor bird knits  
her nest with leaves and straws,  
we knit our future with  
world class infrastructure  
and its ever-growing campus.*



Photo courtesy: Gowhar Fazili, IIT Delhi



Rendered images of building 99B and 99C with photograph of LHC and foliage in the middle

With a campus spread across 325 acres in the heart of the capital city, IIT Delhi is a touring treat. You can stroll across laboratories, libraries, research centers, hostels and residences past the sports grounds, open gyms, lawn tennis courts and numerous outdoor cafes. Students can opt to work out at the well-equipped Student Activity Center (SAC), or relax with a coffee.

The academic campus would have almost doubled in space from the year 2010 when new buildings that will host the Life Sciences and Design departments are handed over in the mid of 2020.

Inter IIT Sports Champion at play  
(53rd Inter IIT Sports Meet, IIT Guwahati, 2018)



The roof of the I-Tec Techno Park is reminiscent of the iconic ship-like structure of Dogra Hall



How many startups have been incubated at IIT Delhi so far?



Photo courtesy: Dr. Manish Kumar, IIT Delhi

“

*Driven by curiosity the wise old owl stays awake when the world is asleep. He is observant and sees through the dark. We learn from him as we aim to solve the world's biggest problems!*

”



# IIT Delhi looks forward to students becoming technology, business and academic innovators

Though consistently ranked as one of the top institutes in the country and globally, IIT Delhi is constantly looking to better itself and grow in diverse areas. A part of the institute's vision is to become a holistic center of learning, with a whole range of new disciplines. We have recently set up the Department of Materials Science and Engineering (DMSE), the Department of Design (DoD), the School for Public Policy (SoPP), Centre for Sensor, Instrumentation and Cyber-Physical System Engineering (SeNSE) and Center for Automotive Research and Tribology (CART). Introduction of new degree and certificate courses, especially for working professionals brings the IIT experience to those who missed the cut after school. Along with a specifically designed three-year program of Executive MBA, a degree program in Entrepreneurship is also in the offing.



**Prof. Arogyaswami J. Paulraj** (class of 1973)  
Professor Emeritus  
Department of Electrical Engineering  
Stanford University  
Padma Bhushan recipient (2010)



**Prof. Ashish Nanda** (class of 1981)  
Professor, Strategy Unit  
Harvard Business School  
Former Director IIM Ahmedabad



**Prof. Devang Khakhar** (class of 1981)  
Professor, Chemical Engineering  
IIT Bombay  
Former Director IIT Bombay



**Sachin Bansal** (class of 2005)  
Co-Founder Flipkart



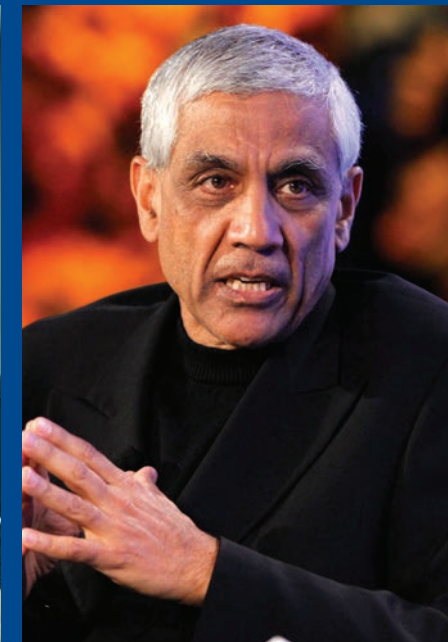
**Binny Bansal** (class of 2005)  
Co-Founder Flipkart



**Mohit Aron** (class of 1995)  
CEO & Founder Cohesity




**Rohit Bansal** (class of 2006)  
COO & Co-Founder Snapdeal



**Vinod Khosla** (class of 1976)  
Co-founder Sun Microsystems



**Raghav Verma** (class of 2010)  
Co-Founder Chaayos



*The Rosy Starlings fly to IIT Delhi from faraway lands for an environment that is conducive to their growth. We believe in "atithi devo bhav" meaning "guest is supreme".*

**Come, let us host you too**

Photo courtesy: Prof. Subhashis Banerjee, IIT Delhi

There are 4130 UG and 5542 PG students at IIT Delhi

Data as of Dec 2019

The institute's global footprint is a matter of both pride and inspiration, achieved through years of quality research. Active collaborations with industries across the globe are being forged with new opportunities. The institute formally identifies itself as an 'Equally Opportunity Employer', which welcomes bright minds as faculty and students irrespective of geographical boundaries or gender. With a level of 40 percent women in the PhD program we are inching towards achieving gender parity.

The newly launched International PhD. Fellowship Program (IPFP) is our way of welcoming students from abroad to study at IIT Delhi. It has set a target of 500 foreign PhD student enrollments in the coming 5 years.



“

*Our ability to reach unity  
in diversity will be the beauty  
and the test of our civilization*”

”

– Mahatma Gandhi

The widely-popular Japanese venture 'Shiru Café', Shiru meaning 'to know', brings IIT students and the Japanese service philosophy together through company representatives. While students sip their free coffee at Shiru, they also get an opportunity to explore various career options and business ideas.



Apart from the increasing count of students and faculty across the globe, there are students from around 32 states & union territories of India living on the campus of IIT Delhi.





“

*IIT Delhi is the place where  
birds of different feathers  
flock together.*

*We embrace diversity and  
nurture the art of thinking  
independently together!*

”

*Photo courtesy: Prof. Samrat Mukhopadhyay, IIT Delhi*

*Is it that you have industry experience but no PhD,  
and you're rethinking your role in the corporate world?*

## *We have the solution*

Stretching conventional academic practices, IIT Delhi has introduced the cadre of 'Professors of Practice'. The addition of this exciting dimension to the classroom structure, will enable students to learn from individuals with years of professional experience outside the academia. Find your niche in one of 30 academic units and start a new chapter of your life.

If you believe your business can be enriched with constant academic input and also want to reclaim the campus experience, move a part of your company back to campus.

TCS and DRDO have taken up huge chunks, but we still have halls and floors for you to nestle into in the Technology Park in Hauz Khas as well as Sonipat Campuses.



Crutches grip the surface just as well as your feet and let you enjoy full freedom of movement.

Flexmotiv Technologies Private Limited, incubated at Foundation for Innovation and Technology Transfer (FITT), IIT Delhi.

**153 IPs have been filed by IIT Delhi in 2019**

*If you have other ideas,  
please share with us.  
We are open for business...!*



*It is time to take the innovation ecosystem in the country to the next level and raise the bar for everyone. If you have a great idea in deep tech space, IITD will take care of the rest. The Platform for Harnessing Deep technologies (PHD) Incubator Program provides comprehensive support for converting your idea into a startup, including a fellowship and accommodation to the budding entrepreneur as well as funds for the development of proof of concept.*



*– Prof. V Ramgopal Rao, Director, IIT Delhi*



How many patents have been granted to IIT Delhi so far?



*The Sunbird is attracted by the rich flora of the campus and showers pollen grains wherever she goes, we too are attracted by sustainable ideas and pledge to leave IIT Delhi as a better place for the next generations!*

*Photo Courtesy: Prof. Samrat Mukhopadhyay, IIT Delhi*

We can see that the roofs of most of the IIT Delhi buildings have turned blue. In keeping with our identity of a science and technology institute that constantly thinks of alternatives and new ways of doing things, we have installed solar panels on most of the roofs. The generation through these numerous solar panels amounts to around 2700000 kWh of electricity every year.


Stroll around the campus at its **greenest** ever



Be it the rush for an 8 am lecture or the fatigue after the 6:30 pm class, there's a bicycle ride ready from any location. With around 30 bicycle stations, students and faculty can rent a ride from most key points in the campus - hostels, the lecture hall complex or Shiru Café. Experience the hassle-free app based service of "LetUsCycle" with multiple pick and drop-off points. There's a bicycle for every distance and duration!

With easily distinguished trash cans for biodegradable, non-biodegradable and e-waste, campus residents are in tune with the responsibilities of a zero waste management plan for the campus. Vermicomposting and water recycling plants have been implemented on campus making students aware of the environment around them.





Popularly known as  
'Kotwal' meaning 'the  
police', she protects all  
baby birds from  
predators.  
And so we learn to serve  
the vulnerable in the  
society and stand with  
them hand in hand.

Photo courtesy: Prof. Rajesh Khanna, IIT Delhi



Students at IIT Delhi are not only known for their bright minds but also for their strong social values and sense of commitment towards society. Communities like National Service Scheme-IIT Delhi (NSS-IIT Delhi) and Board of Student Welfare (BSW) have believed in growing together with society. Board of Student Welfare identifies issues faced by students related to academics, social life, mental health and career, and addresses them through welfare activities whereas NSS-IIT Delhi provides hands-on experience to young students in engaging with community around us. NSS has more than 30 ongoing projects, and collaborations with as many as 50 NGOs, social startups with a volunteer base of more than 1000 students. Be it charity drives or planting of trees, teaching kids of underprivileged or training adults who can't afford higher education, our students have been proactive in serving the society. It also organizes Kaizen, the annual social festival which appreciates and showcases the continuous improvements in our society and narrates the journey of leaders who brought about transformations in society. Our student volunteers have touched thousands of lives so far and have always been forerunners to demonstrate the change they have wanted to see in others.

**Join us for a  
new perspective  
to life!**

For more info:  
<http://nss.iitd.ac.in/>





“  
As a peacock woos us with  
his striking colors and  
suave dancing, we  
welcome you to witness  
the majestic and  
the most spectacular youth  
festival of the country...  
Welcome to Rendezvous!  
”

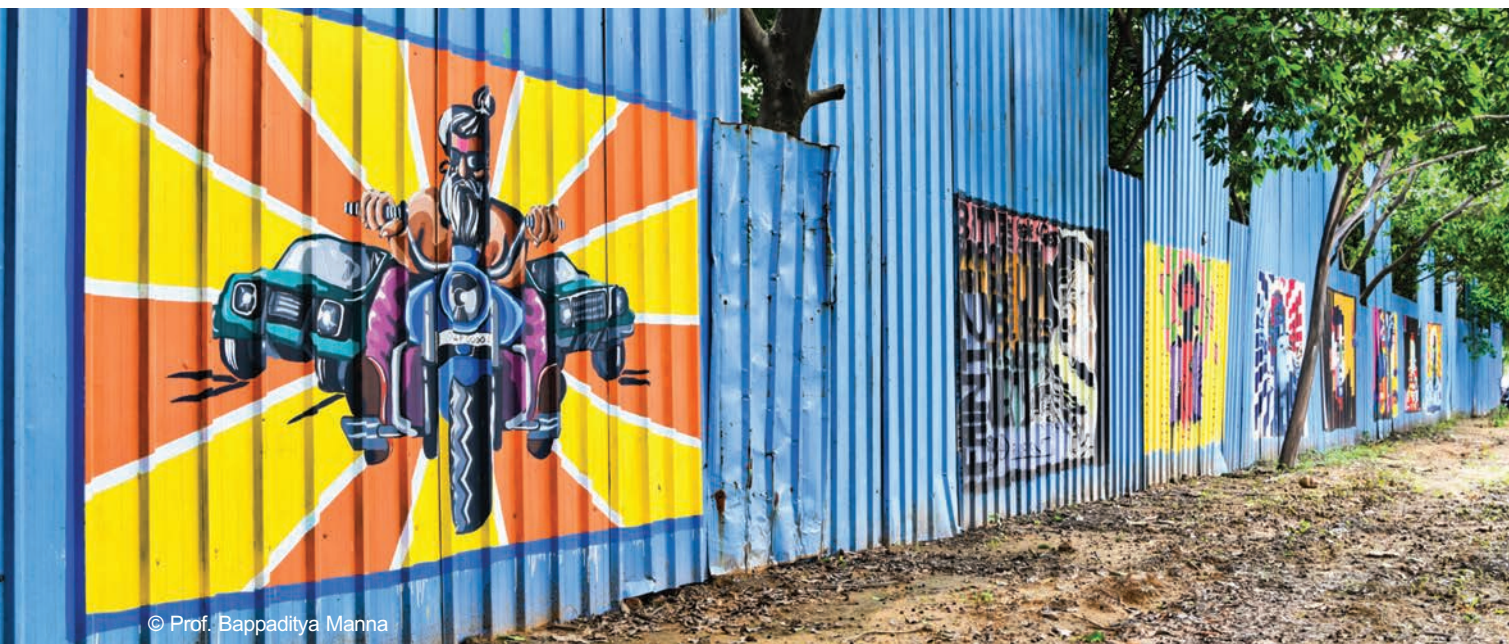
The main campus in Hauz Khas is 325 acres, and the two extension campuses of IIT Delhi in Sonipat and Jhajjar are additional 100 acres

Data as of Dec 2019

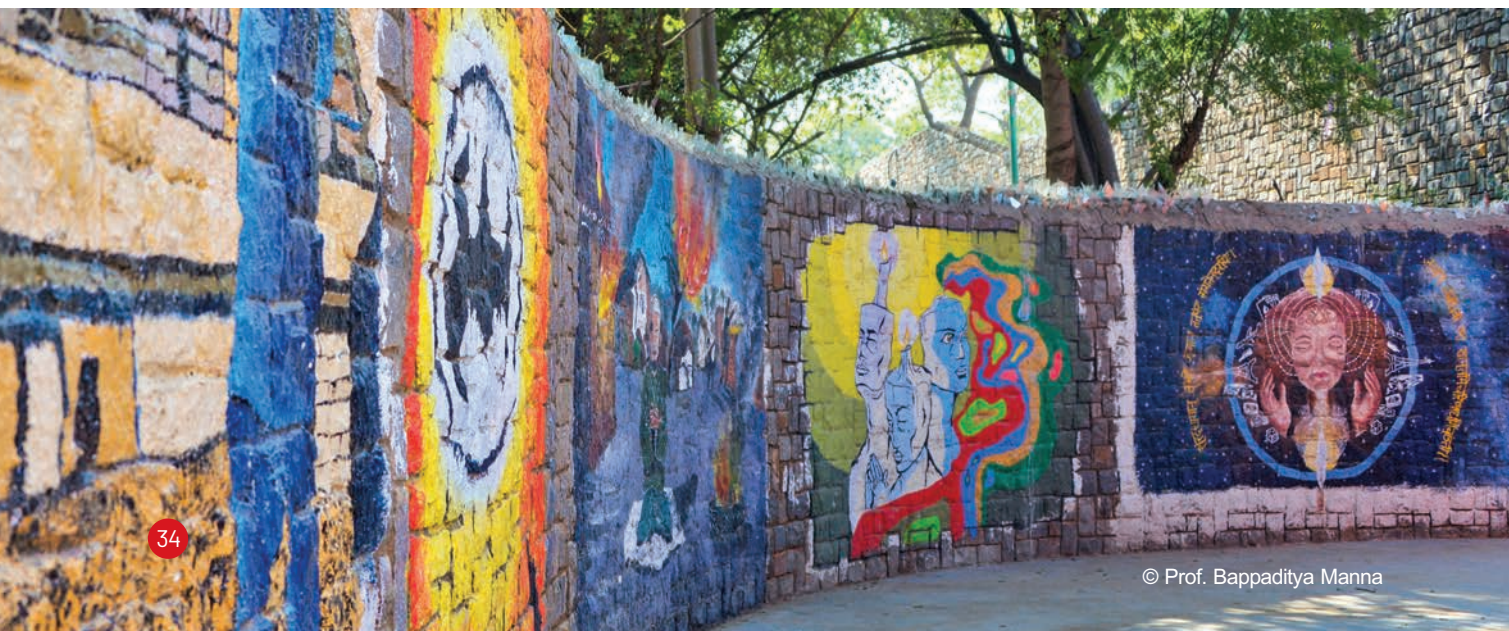
Photo courtesy: Prof. Bappaditya Manna, IIT Delhi



© Prof. Bappaditya Manna



© Prof. Bappaditya Manna



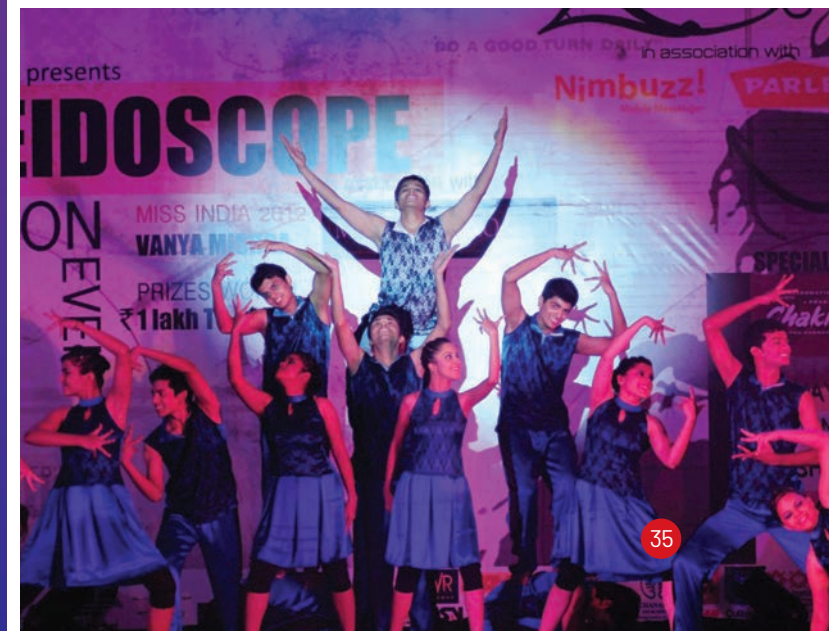
© Prof. Bappaditya Manna



If you presumed that IIT was only about intellectual excitement in the classroom and the labs, you are in for a big surprise. 'Rendezvous', IIT's annual cultural festival organized in the month of October is bigger than ever.

This gala event brings together more than 70,000 spectators, 13,000 participants and 170 artists from over 20 countries. Perhaps the biggest annual cultural event in Delhi, Rendezvous is a celebration of more than 225 events making it a much-sought-after platform for students to showcase their talents.

## Being a part of Rendezvous is what makes you a true-blue IITian





**This was Indian Institute of Technology Delhi for you. To explore IIT Delhi further, we welcome you. Let us create something together so that we make the world a beautiful place to live!**

Do get in touch with us for queries and proposals  
Email: [ddsp@admin.iitd.ac.in](mailto:ddsp@admin.iitd.ac.in)

## POP QUIZ

- Q1** Who is the IIT Delhi alumnus who co-founded Sun Microsystems and also served as its first CEO & Chairman?
- a Satya Nadella     b Vinod Khosla     c Sundar Pichai
- Q2** What is the percentage of women in PhD in IIT Delhi?
- a 55%     b 40%     c 25%
- Q3** Who are the IIT Delhi alumni to build Zomato, one of the most widely known Indian restaurant aggregators and food delivery start up?
- a Deepinder Goyal and Pankaj Chaddah     b Sachin Bansal and Binny Bansal     c Sriharsha Majety, Nandan Reddy and Rahul Jaimini
- Q4** What was the new accolade given to IIT Delhi in 2018?
- a Institute of National Importance     b Institution of Eminence     c Institutions of Engineers
- Q5** How was IIT Delhi ranked in terms of Citations per Faculty as per QS World University Ranking 2018?
- a 19     b 39     c 69
- Q6** How many IPs have been filed by IIT Delhi in 2019?
- a 103     b 203     c 153

### Answers

- Vinod Khosla (class of 1976) is the co-founder of Sun Microsystems, and the founder of Khosla Ventures. In 2014, Forbes named him amongst the 400 richest people in the US.
- Currently IIT Delhi has 40 percent women enrolled for the PhD Program.
- Deepinder Goyal (class of 2005) and Pankaj Chaddah (class of 2007) founded Zomato in 2008.
- IIT Delhi was awarded the status of "Institution of Eminence" (IoE) by the Government of India in 2018.
- As per QS World University Ranking 2018, IIT Delhi was ranked 39 as per QS World University Ranking 2018.
- A total of 153 IPs have been filed by IIT Delhi in 2019.

### View your scorecard

Score	Grade	Action needed
6	A+	Never left IITD?
5	A	You should be at IITD!
4	B+	Please visit our campus yearly
3	B	Please subscribe to our quarterly newsletter
2	C+	Please bookmark our website
1	C	Please read the brochure again
0	Sorry!	Attend extra classes