IIT Delhi Selected as an Institute of Eminence

IIT Delhi was selected as an Institute of Eminence (IoE) by the Human Resource Development (HRD) Ministry. The announcement to this effect was made on July 9. A total of 114 proposals were submitted of which six were finally shortlisted. UGC had suggested 20 parameters to qualify to be an Institute of Eminence.

IIT Delhi already fulfills many of these parameters. At a rank of 172 globally, IIT Delhi was Number 1 in India in 2017 and Number 3 in 2018. It now targets to better its ranking to reach within 100 in the next five years and gradually to less than 50 in due course.

As part of the new status, the Institute will get a grant of Rs. 1000 Crores over the next five years. The funds that the Institute will get will be fundamentally used in broadening academic landscape, developing thematic initiatives and collaborations across campus, strengthening capabilities to translate knowledge into societal impact and establishing cross-cutting initiatives to strengthen the foundation of research.

Some of the key areas that the Institute will work on are advanced state-of-art labs, sustainable technology development, high-performance computing system, high-end research facilities in nanomaterials, healthcare, energy & environment, and manufacturing. There are plans to spruce the infrastructure facilities both in terms of housing and academic centers.

The Institute is known for its key contributions to the country’s developmental challenges by virtue of having some of the best students and faculty in the country, proximity to the problems and ability to interact with policy makers and civil society. The Institute is also building a technology park on campus which will host industry labs, provide space for entrepreneur startups and facilitate to nurture innovative ideas/process/technology/product etc.

While there is already a fertile ecosystem for startups, emphasis would be on technology based enterprises that build up on the extensive R&D infrastructure of the laboratories. Fellowship programmes for encouraging such startups is on the way.
IIT Delhi’s second edition of its flagship event - Industry Day 2018 was a major success. The event aims to bring Industry-academia closer by strengthening ties and collaborating with Industry. With more than a thousand attendees, close to 400 from Industry, the event witnessed a successful showcasing of innovation in technology and industry-academia and industry-industry interactions.

The inaugural ceremony saw the IIT Delhi Director, Prof. V. Ramgopal Rao, present the various touch-points and industry collaborations that the Institute has already been successfully contributing towards and the future role that IITD aims to play in bringing societal changes. Industry Day 2018 attendees were humbled by the opening talk from the Chief Guest of the event, Mr R. C. Bhargava (Maruti Suzuki), who shared nuggets of knowledge from his vast experience heading one of the major Indian corporations as well as the challenges that India continues to experience with respect to an entrepreneur bringing his/her ideas to fruition. He highlighted how an amalgam of government policies and academic-industry collaborations are necessary for India’s continued economic success.

This year’s special edition of the ‘CTO Panel discussions’ brought to light the successes and hurdles that India is currently facing. K. Ananth Krishnan (TCS), Abhoy Kumar Vaish (Ericsson), Narendra Chirmule (Biocon), Sriram Raghavan (IBM), Sanjeev Arora (JCB) and Kaushik Saha (Samsung) brought together a mammoth and diverse experience and discussed on a variety of topics including entrepreneurship, challenges, shifts in Indian diaspora, global trends, and academic-industry interactions. The session was a treat to the audience of Industry Day, particularly to the young and budding entrepreneurs at IITD.

The event saw a multidisciplinary gathering of Industry luminaries, experts and speakers, who imparted knowledge and presented solutions for the various themes that were the focus for ‘Industry Day 2018 – Accelerating innovation in Science and Technology’, namely – 1. Healthcare for All, 2. Smart Manufacturing, 3. AI ML & Blockchain Technologies, 4. Sustainable Habitat, and 5. Strengthening the Startup Ecosystem.

Overall the event was a success, and Corporate Relations, IIT Delhi, will continue to further push the boundaries in creating relevant and meaningful Industry ties.
IITD ranked first in engineering in India by NTU

IIT Delhi has been ranked first in the engineering field in India, according to the NTU Rankings released recently.

The NTU Ranking is compiled by National Taiwan University and is also known as the “Performance Ranking of Scientific Papers for World Universities.”

With an overall score of 51.6 in engineering, the Institute is placed at 172 rank in this field.

The ranking first published in 2007 is designed to evaluate universities’ achievements in scientific research by using objective indicators.

Independence Day celebrated in IITD

Independence Day was celebrated with lots of enthusiasm and fervor at IIT Delhi on August 15.

Addressing the gathering Institute director Prof V Ramgopal Rao said that the last one year had been especially good for the Institute.

“Our Institute has recently been granted the status of Institute of Eminence. Research and Development growth has been robust and four new departments have been added. The gender diversity on the campus has been constantly improving and this year nearly 16% of the intake has been female, which is a trend in itself,” Prof Rao said while listing the major accomplishments of the Institute.

New state-of-art Chemistry lab inaugurated at IITD

In an effort to bolster high-end experimentation and research at the under/postgraduate level, a new state-of-the-art Chemistry lab was inaugurated at IIT Delhi on August 1. The lab is equipped with all safety measures and is eco-friendly. Spread over an area of 8000 square ft., the impeccably designed lab has 14 Island Tables (benches) that can accommodate as many as 8 students at a time. All the tables have vacuum cabinets for conducting experiments that require a vacuum, a vacuum pump, raw water valve and a de-mineralized valve for specific experiments. The tables are also armed with an eye wash in case of any hazardous substance going inside the eyes. There is also a Spot Extractor with a robotic arm that filters out the chemicals to the terrace where it is scrubbed before being released into the environment.

Yoga Day at IITD

Yoga Day was celebrated with lots of enthusiasm on June 21. Both students and members of faculty participated in the day long event. In the morning there was a Yoga session followed by a soulful musical programme of Ankit Chitkara in the evening. There was also an inspiring talk on Yoga by Pravrajika DivyanandaPrana.
Open House for female candidates who cleared JEE(Advanced), 2018

In an attempt to increase the number of girls on campus, IIT Delhi organized an on-campus interaction on June 17 for the female candidates who have cleared the JEE (Advanced) 2018. The basic objective behind holding the Open House was to encourage girls to join an IIT, in particular IIT Delhi. The event was organized under the aegis of 'Initiative for Gender Equity and Sensitization (IGES)', a unit of IIT Delhi that was created on March 8, 2018.

DMS at IIT Delhi launches 'Startup BaseCamp'

The Department of Management Studies (DMS) at IIT Delhi launched the ‘Startup BaseCamp 101’, its first certificate program for aspiring entrepreneurs in Delhi NCR and adjoining states on June 11. The first batch admitted 50 young graduates, entrepreneurs, leaders of small & medium enterprises, and graduates with family business background. The program objective is to facilitate the creation of an entrepreneurial cadre uniquely equipped to handle the ideation, operation and growth process of startups and high potential tech-ventures using tested methods and frameworks suited for entrepreneurs. The first module was completed on July 11 after rigorous 100 hours of instructional and mentoring inputs. On September 25 and 26, these young entrepreneurs will reassemble and present the 'state of their startups' for another round of feedback.

‘Bhoomi Pujan’ of 3 new buildings at IIT Delhi

Institute Director Prof Ramgopal Rao performed Bhoomipujan of 3 new construction projects - the new Boys Hostel, new Girls Hostel and the the Indoor Sports Complex recently. While the Boys and Girls Hostel buildings shall be completed in 16 months, the Sports Complex shall be completed in 9 months.

Placement News

Over 950 job offers (including PPOs) were received with many bagging multiple job offers. 36 students got selected for opportunities abroad. Approximately 89.6% students who availed T&P services got placed through T&P. The remaining opted for higher studies / research or are preparing for civil services or are working on their own startup ideas or got jobs through their own contacts / efforts.

While traditional disciplines of engineering like Computer Science and Electrical Engineering have, like previous years, registered a near cent percent placements, interdisciplinary streams like Energy Studies, Industrial Tribology (ITMMEC), Atmospheric Oceanic Sc. & Technology and Opto-Electronics and Optical Communication have also seen a buoyant placement.

As many as 202 M.Tech students were placed this year as against 183 last year through T&P processes. Undergraduate placements including the five years integrated course pegged at 540. A maximum of 273 placements went to the core (technical) category followed by 187 and 133 placements in the IT and analytics sectors respectively.
**Sponsored Research Projects & Consultancy Jobs undertaken through IRD unit during April-July**

- 42 Sponsored Research Projects with sanctioned value to the tune of Rs. 76.47 Crores.
- 80 Consultancy Jobs with a total sanctioned value of Rs. 5.51 Crores.

**High Value Sponsored Research Projects undertaken during April –July 15**

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Sanctioned Value</th>
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<tbody>
<tr>
<td>Building end to end 5G Test Bed sponsored by Ministry of Communication &amp; Information Technology.</td>
<td>₹ 3001.05 Lakh</td>
</tr>
<tr>
<td>Nanoelectronics Network for Research and Application (NNetRA): Applications of Non-Silicon Based Nanofabrication Technologies and Nanoscale Devices sponsored by Ministry of Electronics and Information Technology.</td>
<td>₹ 1568.68 Lakh</td>
</tr>
<tr>
<td>Social Media Analytics for Security (SMACS) sponsored by National Security Council Secretariat.</td>
<td>₹ 813.60 Lakh</td>
</tr>
<tr>
<td>Capacity Building of Academic Institutions: IIT Delhi to Support Remediation Initiatives (CBIPMP) sponsored by Ministry of Environment, Forest &amp; Climate Change.</td>
<td>₹ 424.80 Lakh</td>
</tr>
<tr>
<td>Research in Human-Centered Robotics with special emphasis on Field and Bio-Medical Rehabilitation: Indo-Korea Joint Network Centre on Robotics undertaken through Department of Science &amp; Technology.</td>
<td>₹ 223.77 Lakh</td>
</tr>
<tr>
<td>Biotechnology for the recovery of germanium, indium and copper from industrial copper dust waste (Bio-CuInGe) sponsored by Indo German Science and Technology.</td>
<td>₹ 161.00 Lakh</td>
</tr>
<tr>
<td>Dynamic Downscaling to Study Climate Change Impacts on Water Resources in India sponsored by Ministry of water Resources.</td>
<td>₹ 156.65 Lakh</td>
</tr>
<tr>
<td>Blockchain Technology for E-Stamp Paper sponsored by Security Printing and Minting Corporation of India Ltd.</td>
<td>₹ 145.20 Lakh</td>
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IITD researchers developing ultra-sensitive platform for detecting Dengue virus

A research group of IIT Delhi is developing an ultra-sensitive, rapid, portable and field-deployable platform for detection of pathogenic bacteria and Dengue virus. Besides being cost effective, the platform will have an advantage of swift detection. The research group is developing a handheld, field-deployable diagnostic tool having capabilities of rapid on-chip specimen detection of Dengue virus and pathogenic bacteria like S. aureus and E. coli for point-of-care diagnostics. The research is a part of the IMPRINT project of the HRD ministry.

IITD researchers develop a cheaper and more effective antivenom

IIT Delhi researchers have produced what could be a cheaper and more effective solution for neutralizing the toxic effect of a snake venom. The research has been done in collaboration with San Jose University, US. The researchers have developed a process to manufacture LTNF using recombinant DNA technology and has filed for a patent for the same. The product has shown efficacy against rattlesnake and viper venoms and is undergoing further testing. If successful, LTNF based therapy will offer a more cost-effective as well as stable substitute for currently available antivenoms against snakebite.

India’s first 5G Massive MIMO Radio inaugurated in IITD

India’s first 5G Massive MIMO Radio was inaugurated at IIT Delhi on April 13. The lab has been set up in Bharti School of Telecom Technology and Management. The lab houses India’s first 5G Massive MIMO equipment, which has a 32 antenna base station. This 5G base station prototype will be used to test and verify algorithms, and also for developing a complete 5G base station which can possibly lead to the manufacturing of 5G base stations in India with support/collaboration from industry and will also be instrumental in generating skilled manpower in this field.

IITD researchers to develop technology for DME fuelled automotive diesel engine

This research project is mainly aimed at the development of the technology to operate an automotive diesel engine/vehicle fuelled with Dimethyl Ether as fuel with almost zero level of smoke/particulate matter along with enhanced thermal efficiency. The technology is being developed by IIT Delhi with the collaboration of Indian Oil Corporation Limited (IOCL) R&D Centre and Ashok Leyland Limited.
ERASMUS Programme

1. Two students and one faculty have been selected under the ERASMUS programme for the Universidade de Santiago de Compostela, Spain.

2. One staff from Universidade de Santiago de Compostela, Spain visited the campus in June.

AAIP Orientation

With an aim to select the best possible student team for 2018-19, AAIP organized an open Town Hall for all the interested candidates. There were around 110 responses. The 2017-18 student coordinators presented a brief annual report of their work followed by a Q & A session. An on the spot case study was given as an evaluation criterion.

Cultural Exchange to France (Bonjour India)

A team of 7 graduate students represented India in a cultural exchange with France, under the aegis of the Bonjour India and the 24h Chrono Entrepreneurship programme. The 24h Chrono Entrepreneurship Summit brought together 8 teams across India to address the contemporary problems and devised solutions for them. (https://www.frenchscienceindia.org/24h-chrono-entrepreneurship-challenge-bonjour-india-event/)

IIT Delhi Alumni Association adopts Gurugram Village

Members of the IIT-Delhi Alumni Association have decided to adopt 150 villages across the country. This adoption is under the Swachhata initiative of the Association. The main focus areas will be sewage disposal, waste segregation construction of libraries and tree plantation in villages. Money will be raised through CSR funds, crowd funding and contribution by association members. Mr. Pranab Mukherjee, former President of India commended the IIT Delhi alumni for this initiative.

Alumni Contribution

Mr. Amarjit Bakshi, an alumnus of 1967 batch of IIT Delhi, has donated Rs one crore to the Institute. He has also committed a total sum of Rs ten crores to be paid annually at the rate of Rs one crore every year.

"This is just a beginning. I hope all alumni will come forward and give back in whatever way they can. We should collectively endeavour to make IIT Delhi financially self-sustainable by 2021," Mr. Bakshi says.

After studying civil engineering from IIT Delhi he worked for an English company for four years before foraying into entrepreneurship. He has over the years used his skills to establish himself in various fields including highway and airport construction, automotive industry including manufacturing of three-wheelers, road cleaning equipments, real estate sector, construction and owning large five-star hotels besides other enterprises.

He is the founder of Central Park real estate company, Continental Engines, Vege group of companies in Europe and Baxy Motors. "I am indebted to the institute," sums up Mr. Bakshi when asked on the reason behind his philanthropy.
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<tr>
<th></th>
<th>Description</th>
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<tbody>
<tr>
<td>1</td>
<td>Prof. Erol Tutumluer from University of Illinois at Urbana-Champaign (UIUC) visited the Institute on April 6 for discussion of international cooperation and development of Joint Degree programs between IIT Delhi and UIUC.</td>
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<tr>
<td>2</td>
<td>Delegation from Myanmar visited the Institute on April 17.</td>
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<tr>
<td>3</td>
<td>Delegation from Joint Working Group on Education from Germany visited the Institute on April 20.</td>
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<tr>
<td>4</td>
<td>Delegation from Russian Investors visited the Institute on April 24.</td>
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<tr>
<td>5</td>
<td>Delegation from the Defense Ministry of Indonesia visited the Institute on May 2.</td>
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<tr>
<td>6</td>
<td>Delegation led by Ms. Emilia Cartier from Embassy of French visited the Institute on May 10 for discussing on exchange and new partnerships possibilities between IIT Delhi and other French higher education institutes.</td>
</tr>
<tr>
<td>7</td>
<td>Delegation from Vietnam's Military Technical Academy visited the Institute on May 14 for educational cooperation between IIT Delhi and Vietnam's Military Technical Academy.</td>
</tr>
<tr>
<td>8</td>
<td>Delegation from Universidad Complutense de Madrid visited the Institute on May 23 for signing the Letter of Intent for academic cooperation between IIT Delhi and Universidad Complutense de Madrid.</td>
</tr>
<tr>
<td>9</td>
<td>Delegation from the Netherlands visited the Institute on May 24th 2018 for fostering strong collaboration which exists between IIT Delhi and Netherlands Institutes.</td>
</tr>
<tr>
<td>10</td>
<td>Delegation from Embassy of Uzbekistan visited the Institute on June 6.</td>
</tr>
<tr>
<td>11</td>
<td>Delegation from Australian High Commission visited the Institute on June 22 2018.</td>
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</tbody>
</table>
Matisoft Cyber Security Labs

Matisoft Cyber Security Labs is an IIT-Delhi incubated company and one of the first in the world to build artificial intelligence based cyber antivirus technology with the help of their mentor Dr. Brejesh Lall. Varun Seth, Founder & CEO of Matisoft Cyber Security Labs says the main premise of their technology was to make the software think like a human cyber security expert. Besides cost benefits, the technology can catch brand new viruses without any updates. This antivirus is built on an install and forget model as everything is automatically handled and there is no need for manual scans and regular updates. In case of a virus attack the software will catch it, inform the user and with just a click delete the virus, clean the system and disinfect files thus bringing the computer back to an ideal state.

TouchVision

TouchVision, an IIT Delhi startup aims at digital inclusion for the 253 million persons with visual impairment globally. It enables affordable interactive access to diagrams in audio tactile form using image processing. The multisensory inclusive education platform comprises of tactile diagrams – books, recreational material, storybooks and games assisted by simultaneous audios powered by the mobile app. The patent filed mechanism allows user to interact with tactile material simultaneously which helps in enhancing the understanding of the concept depicted in the tactile diagram.

TouchVisionTech incubated from Assistech, IIT Delhi won the IIIGP 2.0 Open Innovation Challenge 2018 on August 2. Their product TouchVision-A Multisensory Inclusive Education Platform for Visually Impaired was chosen among Top 8 Social Innovations by the eminent jury comprising of policy makers, social entrepreneurs and industry experts. The Know-how for TouchVision came from the Centre of Excellence in Tactile Graphics supported by MEITY, Govt. of India. The India Innovation Growth Programme (IIGP) 2.0 is a unique tripartite initiative of the Department of Science and Technology (DST), Government of India, Lockheed Martin and Tata Trusts.

TouchVisionTech(Anaavaran Technologies Pvt. Ltd.) received seed funding of 25 lakhs along with Incubation & Mentorship Support. They will also receive an international exposure visit to MIT and a chance to pitch to Silicon Valley investors.

Raised Lines Foundation

Raised Lines Foundation is a not for profit, Section 8 company incubated out of IIT Delhi with a vision of making tactile diagrams available to every student with visual impairment. Tactile diagrams are the embossed/raised representation of images that a visually impaired person can touch and perceive.

The team started working on it four years ago under Centre of Excellence in Tactile Graphics (CoETG), IIT Delhi, with an objective of developing end to end solutions for the development of tactile diagrams in affordable and scalable manner. Raised Lines Foundation (RLF) is incubated from the know-how developed at CoETG to meet the huge unmet demand of tactile diagrams throughout the country and the same team is taking this endeavour forward.

RLF provides tactile design and production services and is closely working with NCERT, Sarv Shiksha Abhiyana (Govt. of India), WSSCC (UN organization) and other organizations working in the field of blindness to covert textbooks, resource books, manual etc. in an accessible format along with the tactile diagrams.

This new venture was inaugurated by Prof. V. Ramgopal Rao, Director, IIT Delhi on July 6 at ITPS, Rajiv Gandhi

Sanitation for Women

A toilet is a necessity and so is washroom hygiene. Sadly, washrooms are not maintained and lack hygienic amenities causing risk of infections like Urinary Tract Infections, especially in Women. The need of the hour for ladies is to eliminate physical contact with unhygienic toilet seats and stand up for themselves.

With the technical expertise of an IIT Delhi professor Srinivasan Venkataraman, expert in Ergonomic Design, young innovators Archit Agarwal and Harry Sekharavat, designed Sanfe - a novel, biodegradable and disposable device providing women the freedom to stand and urinate.

Recommended by gynaecologists of AIIMS and Apollo Cradle, Sanfe is being sold at offline stores in South Delhi.
The Ek Bharat Shresta Bharat programme, launched by MHRD, Government of India aims to celebrate the Unity in Diversity of our Nation and to maintain and strengthen the fabric of traditionally existing emotional bonds between the people.

Board For Recreational and Creative Activities (BRCA), IIT Delhi organised a total of 5 events under the "Ek Bharat Shreshtha Bharat" initiative of MHRD from January till April 2018 showcasing the cultures of Andhra Pradesh, Kerala, Himachal Pradesh, Uttarakhand, Karnataka, Tamil Nadu, Jammu & Kashmir, Punjab, Haryana, Assam, Telangana & Rajasthan.

The first programme held on January 24 showcased the cultures of Punjab and Andhra Pradesh. The second held on February 2, fleshed out the vibrant cultures of Tamil Nadu and Jammu and Kashmir.

The third event on February 21 showcased the cultures of Kerala and Himachal Pradesh. The fourth event held on March 14 reflected on the cultural landscape of Uttarakhand and Karnataka while the fifth one on April 11 showcased the cultural canvas of Haryana, Assam, Telengana and Rajasthan.

The programmes have helped identify student and faculty talents.
Campus Bicycle Sharing System

To encourage environment-friendly and sustainable mode of transportation inside the IIT campus, the institute has launched its Campus Bicycle Sharing system in association with Greenolution, the bicycle sharing service providers at IIT Delhi.

With the new operational system in place students can now access the cycles from 13 cycle docking stations strategically located across the campus through a customized mobile app called LetUsCycle. Registered users pay Rs.2 for 15 minutes ride with one free ride every day. These rates would further encourage students to avoid buying cycles.

The cycles can be rented from the app-based cycle docking station and they are available 24x7.

E-Mobility

The ISIE, India and Centre for Energy Studies, IIT Delhi, along with IEEE Delhi Section organized an expert talk and panel discussion on E—Mobility on July 28 at IIT Delhi. The day-long event focused on implementation of clean energy technologies in automobile sector. The inaugural session had a keynote presentation of Mr. Sohinder Gill, Global CEO, Hero Electric and Prof. Viresh Dutta, Head, CES. Over 300 participants including students, faculty and area experts from government and industrial organizations participated in the event. The experts were from government organizations such as ONGC, SCGJ, MNRE and senior professionals from the industries such as Toyota, Suzuki, Panasonic, and SMEV etc.

The speakers emphasized on the benefits to the society by switching to electric vehicles and the challenges in achieving that. The panel discussion addressed questions regarding the future of renewable energy integration into the mobility sector.
Combined Boards Night
The Combined Boards Night was conducted on April 26. Several awards were given to the students for their achievements during the year – the best captain, vice captain, team, executive etc. The Institute blazers were given to those outgoing sportspersons who had performed exceedingly well during their stay at IIT and had won many laurels and accolades. The Outgoing General Secretary Mr. Ashim Garg was bestowed the Best General Secretary award. The Best Outgoing Sportsperson award was shared by 3 people – Mr. Dileep Pudi, Mr. Kumar Sahaj and Mr. Amit Kothari. The new General Secretary Mr. Adhayan Bhanu and Deputy General Secretary Mr. Shivjeet Singh felicitated Mr. Ashim Garg and Mr. Rushil Singh respectively.

Sports Projects
BSA introduced the Sports Projects, the first such initiative of its kind, in which the students can take up projects which exemplify innovations in sports technologies, and even get design credits for the same. These include coding projects like scoreboards, lighting stumps, distance and time tracker and building daily use infrastructure for sports. Under this initiative, the students can even come up with their own ideas. Any student of IIT Delhi who is willing to create and innovate can take up these projects. The projects and the stay of the students during summer will be funded by the BSA. The student needs to have a supervising faculty for the same.

Summer Camp
The one-month Summer Camp started on April 14 with the aim to nurture the young and talented sportspersons and enrich the sports culture on campus. The players participated in joint morning fitness sessions, competitive and recreational games like rugby. Swimming classes were also conducted. The evening sessions focused on development of specific skills of the players. These included game-specific drills, workouts and matches.

BSA Night
BSA Night held on 27 April marked an end to the tenure of the outgoing general secretary Mr. Ashim Garg. The event started with BSA President Prof PK Chowdhary and Prof V Perumal, BSA Vice President, appreciating the efforts of the contingent. Dr. Deepak Negi, Sports Officer, IIT Delhi, thanked Mr. Ashim and his team. In the end Mr. Ashim gave a heart-warming speech expressing gratitude to the entire BSA fraternity.

Opening of squash courts
The institute squash courts were renovated and opened in May. Maple wood flooring, indoor ventilation and a glass door were added to the courts. There is also a provision for gum-sole shoes for the students. The students and faculty have responded enthusiastically to this addition.

Coaching classes
Coaching classes for Swimming, Badminton and Table Tennis that started from May 16 included rigorous workout schedules, on court and off court training sessions and a proper diet plan to boost the performance of participants. The training sessions were held 6 days a week.
‘Seeds of the Futures’ program

The Corporate Relations, IIT Delhi hosted the Huawei ICT “Seeds for Future” program, a collaboration with IIT Delhi to complete its first ever India Chapter for its global program. It is aimed at exposing the millennial to China’s business culture in the ICT industry. 4 students from IIT Delhi - Harsh Maheshwari, Souhardya Roy, Aryaman Garg, and Ayush Singh attended their flagship program, and has been inducting student since 2008. The program gave students a glimpse into the working of a technological giant like Huawei and get an understanding of the ICT industry. The students had a chance to meet students from diverse communities, who belonged to different countries, and took them through an exceptional and experiential journey in China.

Fund Raising Program

Corporate Relations IIT Delhi has been facilitating a fund raising program as a support initiate for Construction Workers and labourers helping with IIT Delhi’s construction projects on-campus. This is to create a crèche for care for their children who accompany their parents to the construction site by providing midday meals, and a balanced meal per day for the workers. They will receive nutritional supplements and regular health checkups. The CW Committee are approaching Corporates and Alumni members to collaborate with us in this effort and create a support system for the constructions workers.

Collaborations

CR Office IIT Delhi’s recent collaborations are with Tata Consultant Services Limited, Wipro Limited, Srijan Technologies Pvt. Ltd. and Hindustan Unilever Limited. The Wipro collaborative MOU with IIITD is a sustainability initiative namely “Wipro Earthian” aimed to fund research and learning through a fellowship program for students from IIITD. Srijan Technologies has collaborated in sponsoring IMPRINT projects creating new technologies. Tata Consultancy Services has 3 projects – ‘Determination of Robot Performance and its Kinematic Parameters using Non-contact Sensors’, ‘Control of Continuous Manufacturing of Biopharmaceutical Products’, and ‘Aerial robotic inspection and dexterous manipulation: modelling, planning and control’ which will ease human intervention through robotics, especially when trying to penetrate terrain which is impossible for humans to reach.

ConsenSys India Blockchain Hackathon’18

IIT Delhi with ConsenSys, one of the largest firm in the Blockchain space, and NITI Aayog organized India's biggest Ethereum Blockchain Hackathon – ConsenSys India Blockchain Hackathon'18 - at IIT Delhi campus from July 13 - 15. In the presence of the founder of ConsenSys and co-founder of Ethereum, Joseph Lubin, a MoU for the “ConsenSys Blockchain Chair” was signed. IIT Delhi Corporate Relations is gearing up for the second edition of its prestigious flagship program “Industry Day 2018 – Accelerating Innovation in Science & Technology” slated for September 22, 2018. The program is aimed at bringing Academia and Industry collaboration to one platform where science and technology are commercialized for the betterment of societal growth.
The Ministry of Human Resource Development (MHRD) had launched the Unnat Bharat Abhiyan in 2014 with an aim to connect institutions of higher education, including Indian Institutes of Technology (IITs), National Institutes of Technology (NITs) and Indian Institutes of Science Education & Research (IISERs) with local communities to address the development challenges through appropriate technologies.

The Programme is being coordinated and steered by IIT Delhi.

Launch of Unnat Bharat Abhiyan (UBA) 2.0
Unnat Bharat Abhiyan (UBA) 2.0 was launched and an orientation workshop for the Participating Institutions (PIs) was organized on April 25. The workshop dwelt on familiarizing the participants with the concept, approach and objectives of UBA, use of Reporting Portal of UBA for baseline data entry, data analysis reports, uploading monthly activity reports, Plan of Action and proposals, launching of new framework for implementation of UBA.

Antaram - A Meaningful Pause for Solutions in Education
Organized by the joint efforts of Vision India Foundation (VIF) and Unnat Bharat Abhiyan (UBA), a two-day conference on education, Antaram - A Meaningful Pause for Solutions in Education – was conducted at IIT Delhi from June 9. The aim of the conference was to understand the true meanings of education, reflect on the challenges and problems of education in India and the world and find simple and implementable solutions for meaningful education in India and the world through active youth engagement. The conference was attended by 250+ delegates from all across the country which included students from institutes such as IITs, NITs, and other leading colleges and universities of India and abroad, professionals working in the space of education such as teachers, representatives from various NGOs.

Adoption of Pahari village
Unnat Bharat Abhiyan cell of IIT Delhi has signed an MOU with IIT Delhi Alumni Association to adopt villages for their all-round development. This was kick-started at Pahari village in Haryana on July 1. The initiative was formally started by Haryana Chief Minister Manohar Lal Khattar.
Prof. G. Bhuvaneswari
Department of Electrical Engg

Has been selected for 2018 IEEE PES Wanda Reder Pioneer in Power Award.

Prof. P. V. Madhusudhan Rao
Department of Design

Has been selected for Abdul Kalam Technology Innovation National Fellowship. (Indian National Academy of Engineering)

Prof. A. K. Ganguli
Department of Chemistry

Has been selected for Silver Medal for 2018 of the Chemical Research Society of India

IIT Delhi professor honored for building computer chips that mimics human brain

Manan Suri
Electrical Engineering Department

Manan Suri of the Electrical Engineering Department at IIT Delhi has been named to MIT Technology Review’s prestigious annual list of Innovators Under 35 under the Invention category. For over a decade, the global media company has recognized a list of exceptionally talented technologists whose work has great potential to transform the world. The announcement was made on June 27.
MoUs & Collaborations

Cross Continental Collaboration
IIT Delhi has signed an MoU with Macquarie University, Sydney, Australia on July 30. The Macquarie team included Professor Darren Bagnall, Dean School of Engineering. The signing of the MoU is the first step towards enhanced research collaborations between the two institutes. Joint PhD supervision, collaborative research, faculty and student mobility were discussed in the meeting.

Agreement to build technology for in-car child safety
FITT (Foundation for Innovation and Technology Transfer), IIT Delhi has entered into an agreement with MG Motor India, a fully-owned subsidiary of China’s largest car maker SAIC Motor Corporation for developing technologies and applications to boost in-car child safety. The project titled ‘Geofencing for child safety through ECU control’, was announced at the silver jubilee function of FITT held at IIT Delhi campus on July 28. The IIT Delhi project team is working on an application that will enable owners of upcoming MG cars in India to track and alert the whereabouts of their children, including their entry and exit as well as their seating position within the car. The application will also alert users if the car is driven beyond a pre-defined route map.

Collaborating for agro based research
IIT Delhi and Indian Council of Agriculture Research (ICAR) signed a Memorandum of Understanding (MoU) on July 20 for collaborative R&D activities. The MoU is aimed at tapping the research talent from the two institutions, implementing multi-disciplinary R&D activities and nurturing innovations. Particular areas of mutual research interest includes agriculture, IT research, electronics, information and communication and IT based societal

Integrating Ayurveda with Technology
IIT Delhi and All India Institute of Ayurveda (AIIA) signed an MoU on July 17 at a two-day conference on ‘Raising towards Excellence’ at Delhi to boost research in the field of Ayurveda. The aim of this agreement is to integrate ancient medical science with technology. The Ayush Ministry would be funding the projects. Under the MoU, there will be a joint venture between faculties of IIT Delhi and AIIA to find ways to integrate technology with Ayurveda, IT research, electronics, information and communication and IT based societal development.

When Design met Talent
A Summer Bootcamp was held by the Department of Design for the students from Government Schools from June 5 to 9. The participants were divided into groups of four and were assigned a project to design a product that had a societal use. All the project needs were identified by students themselves. Project teams were mentored by IIT Delhi students, two acclaimed self-made grassroots innovators Dharmendra & Kaleem and volunteers from Intellify, an IIT Delhi student startup.
A smart dustbin, parking alert device, fire alarm using sensors, potato battery, nose bug, ways to cool the hot air emanating from ACs were some of the products that the kids fleshed out from the workshop.
IIT Delhi and AIIMS to carry out joint research on applications of Advanced Engineering in Medicine

The Indian Institute of Technology Delhi (IITD) has signed an MoU with All India Institute of Medical Science (AIIMS) for collaboration in education, research and technology with an overall objective of building a more robust Health Care system by Engineering and Technology interventions through ‘cross-institutional interactions’ between the two premier institutes.

IITD collaborates with Clemsen University for improving health care diagnostics

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MoU between IIT Delhi and Instituto Tecnologico y de Estudios Superiores de Monterrey (ITESM), Mexico

IIT Delhi and Instituto Tecnologico y de Estudios Superiores de Monterrey (ITESM), Mexico have signed an agreement for granting scholarships to M.Tech and Ph.D students and bilateral exchange of post-doctoral and faculty positions between the two institutes. The Memorandum of Understanding was signed jointly on August 7 by Dr Ricardi Ramirez Mendoza, Director General of ITESM and Prof V Ramgopal Rao, Director IIT Delhi.

Strengthening research ties between India and Taiwan

In an effort to strengthen research ties and identify areas of joint collaboration, a two-day workshop was organized by National Chiao Tung University (NCTU), Taiwan and IIT Delhi on May 17-18. Academicians from both the Institutes had broad ranging discussions on the collaborative process. Deliberations were held by the faculty and students of Computer Science Department. Faculty members from NCTU spoke on diverse subjects like Motion Detection with Possible Health Related Applications, Scalability Research of IoT/M2M Systems, Mechanism Design for Decentralized Autonomous Systems and Mind Reading: encoding and decoding the brain.
Nanostructured Steels

Prof. Pedro Rivera conducted a five day course on Nanostructured Steels at IIT Delhi from April 2, under GIAN aimed at tapping the pool of scientists and entrepreneurs, internationally to encourage their engagement with the Institutes of Higher Education in India. Prof. Rivera is the Royal Academy of Engineering Research Chair at Lancaster University since Sep. 2017. From 2009 to 2017 he was Assistant Director of Research at the Steel Technology Centre at University of Cambridge, where he taught and led a research group mainly focusing on ultra-high strength steels. His research has resulted in a variety of novel steel grades leading to three international patents and over 130 articles in international journals.

The primary objectives of the course were to become familiar with the different structures present at the nanometre scale in steels, the processing routes required to obtain them, their advantages and disadvantages and to develop the necessary understanding and skills to design new alloy grades using computational tools.

Microbial Risk Assessment

Aimed at training students and teachers to a proven curriculum in microbial risk assessment, Prof. Patrick L. Gurian, Associate Professor in the Department of Civil, Architectural, and Environmental Engineering at Drexel University conducted a GIAN course from June 18 at IIT Delhi.

Prof Gurian has an extensive experience in the field of quantitative microbial risk assessment. He is currently principal investigator of a 2.5 million US dollar project on water quality in buildings which is analyzing microbial risks due to the growth of opportunistic pathogens in building plumbing systems.

The course covered quantitative microbial risk assessment. Humans are exposed to pathogens in innumerable ways, including swimming, eating, drinking, or even breathing. Quantitative microbial risk assessment provides estimates of the probability that different activities will result in infection and illness. Understanding these risks helps us judge when the risks are small enough that we can accept them, and when we need to take action to protect ourselves from these risks.
A new department of Materials Science and Engineering (DMSE)

In an effort to boost the study of materials and promote multidisciplinary research, IIT Delhi has started a new Department of Materials Science and Engineering (DMSE). Besides opening opportunities for national and international collaborations, the new department will foster collaboration with various labs and assist in creation of materials specific research ecosystem. The new department will address longstanding requirement of research in the area of materials which so far had been addressed by faculty members scattered across various departments and

A new Department of Design(DoD)

In a bid to bolster research & education on design, a new Department of Design(DoD) has been formally inaugurated. The vision of the department is to be a globally known for quality design education, high impact research and cynosure for creativity and innovation. The new department will offer undergraduate and post graduate programmes and courses in design with special emphasis on “product design”.

School of Inter-Disciplinary Research (SIRe)

The School of Inter-Disciplinary Research (SIRe) was founded with the objective to create a platform for promoting Interdisciplinary Research at IIT Delhi. It is envisioned that the school with its multi-disciplinary nature will not only accelerate its growth but would also enable to engage with faculty across other Institutes like AllIMS, JNU etc. It is expected that over a period of time the School would be able to “seed” a number of inter-disciplinary programmes

The School of Public Policy (SPP)

The School of Public Policy (SPP) at IIT Delhi is a new academic entity that is a part of the Institute’s efforts towards greater positive societal engagement. The School is aimed at generating knowledge and training personnel to contribute to policy-making that makes better use of S&T to address the major societal challenges facing the country.