



INDRAPRASTHA INSTITUTE *of*  
INFORMATION TECHNOLOGY **DELHI**



# 5<sup>th</sup> CONVOCATION

27 AUGUST 2016







# Welcome

*IIIT-Delhi is proud to welcome all attendees to its fifth convocation. The mission of IIIT-Delhi is to be a global centre of excellence in Information Technology education, training and research. Its twin aims are:*

- To carry out advanced research and development in information and software technologies, and in leveraging IT in specific domain areas.*
- To train and educate, at both undergraduate and postgraduate levels, engineers of outstanding ability who can become innovators and new product creators.*

*The vision of IIIT-Delhi is to be an institute of higher education in IT and allied areas, which is globally respected for research and education, has thriving UG and PG programs, and which is socially relevant, industry-involved and globally linked.*

# Minute to Minute Program

Timing	Programs
<b>3:00 PM</b>	Students and Guests are expected to take their seats in Convocation hall.
<b>3:30 PM</b>	Academic Procession proceeds to the Convocation Hall.
<b>3:35 PM</b>	Convocation Song
<b>3:38 PM</b>	<ul style="list-style-type: none"> <li>• Director requests the Chairman, Board of Governors to declare the Convocation open.</li> <li>• Convocation is declared open by the Chairman, Board of Governors.</li> </ul>
<b>3:40 PM</b>	Director's report
<b>3:55 PM</b>	Address by the Chairman, Board of Governors and introduction of Mr. Naveen Tewari
<b>4:10 PM</b>	Convocation Address by Mr. Naveen Tewari
<b>4:30 PM</b>	<ul style="list-style-type: none"> <li>• Award of Ph.D. Degrees by the Director.</li> <li>• Presentation of Medals by the Chairman, Board of Governors.</li> <li>• Chairman, Board of Governors signs the scroll of all the Award of Degrees.</li> <li>• Oath taking by all the Recipients of Degrees.</li> </ul>
<b>4:40 PM</b>	National Anthem; Academic procession departs
<b>4:45 PM</b>	Award of M.Tech. degrees (including dual degree) by the Director
<b>5:05 PM</b>	Award of B.Tech. degrees by the Director
<b>5:45 PM</b>	<ul style="list-style-type: none"> <li>• Director requests the Chairman, Board of Governors to declare the Convocation closed.</li> <li>• Convocation is declared closed by the Chairman, Board of Governors.</li> </ul>

## Message by the Chancellor

उपराज्यपाल  
दिल्ली  
LIEUTENANT GOVERNOR  
DELHI



NO: RN/16/A-5647

राज निवास  
दिल्ली-११००५४  
RAJ NIWAS  
DELHI-110054

22<sup>nd</sup> July, 2016

### MESSAGE

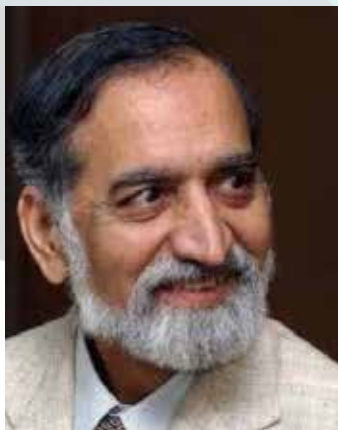
Indraprastha Institute of Information Technology, Delhi is striving hard to realize its goal of becoming a leading institute in research and teaching in the field of Information Technology and allied areas. The programmes offered at the institute, with its focus on research and its interface with the industry, give it an edge in the field of Information Technology and will no doubt help shape careers of scientists, engineers, academics and entrepreneurs in the decades to come.

I am happy to know that the Institute has received a generous grant of Rs. 24 crores for establishing a Center on Artificial Intelligence as also other grants for promotion of entrepreneurship etc. I am pleased to note that the second phase of construction of the campus is underway, which will help in the expansion and future growth of the Institute.

On the occasion of the Fifth Convocation of the Indraprastha Institute of Information Technology, I congratulate the final year students who shall be stepping out into the world to fulfill their hopes and dreams. I wish their endeavours my very best.

(Najeeb Jung)

## Message from the Chairman, Board of Governors



**Mr. Kiran Karnik**  
**Chairman, Board of Governors, IIIT-Delhi**  
**(Former President of NASSCOM)**

At the very outset, I congratulate the entire graduating batch on the day of their convocation ceremony. Graduation is a significant milestone in your life and the entire IIIT-Delhi family wishes you the very best on this important occasion. For many, it will be a transition from academia to the world of work; for others, it is one more landmark in a continuing academic pursuit. Whichever path you take and whatever career you choose, I encourage you to make the most of your education and qualification through your contribution to your chosen profession and the community.

Over the course of your programme, you would have developed friendships and networks; these will doubtless be lifelong ones that you can draw on. You have also been a valued member of our vibrant IIIT-Delhi family. I invite you to continue your relationship with the institute to which you have dedicated so much time, hard work and energy. Our Alumni Association of more than 800 graduates is an invaluable resource, which can serve you well as you embark on your career, with connections across all organisations in India and overseas. I urge you to take advantage of and contribute to this extraordinary community of international alumni, all of whom began their professional lives right here, from this institute.

We view all those leaving the Institute as our ambassadors, and it is their achievements which will sustain and develop the image of IIIT-Delhi. I am sure that through their successes, values and behaviour, they will bring even greater sheen to the reputation of IIIT-Delhi.

Each time I visit the campus, I am elated to see that phase two construction in full swing. This will not only help the institute to expand, but will also provide space and facilities for new activities. More inter-disciplinary centres and an incubation facility are planned. The latter will cater to the needs of both students and faculty, furthering IIIT-D's entrepreneurial agenda.

The faculty and staff, under the dynamic leadership of the Director, have already won wide recognition for IIIT-D, in the few years of our existence. It is now considered amongst the academic leaders in our field of activity. Our collaborations – both national and international – provide unique opportunities to both students and faculty. In all this, my colleagues in the Board of Governors have played a significant role. Their guidance, advice, and direction have been invaluable. I must also acknowledge the help and support of our Chancellor – Lt. Governor of Delhi – and the Government of NCT Delhi.

I deeply appreciate the enthusiasm and dedication of all our students, research scholars, staff members and faculty members in shaping and building a young institution. I also want to specially acknowledge the role of the parents/guardians of our students, who have not only supported their wards but shown faith in the IIITD. Congratulations once again to the young graduates on successfully completing your program. Be proud of what you have worked to achieve and remember those who have supported you to reach this end. I wish you every success as you enter this next exciting stage of your life and career, and very much hope that you stay connected with the institute in the years to come.

## The Chief Guest



**Mr. Naveen Tewari,  
Founder & CEO, InMobi**

Naveen Tewari is an entrepreneur and the founder and CEO of InMobi, a global mobile advertising and technology platform. He believes in constant innovation. His dream is to re-imagine advertising in a truly 'user-first' way and unlock the true potential of the mobile ecosystem.

He has a Bachelor's degree from Indian Institute of Technology Kanpur (IITK) and a Master's degree in Business Administration from Harvard Business School, where he was also bestowed with the Dean's Award, for his exceptional leadership and contribution. In 2013, IIT Kanpur also honored him with the 'Distinguished Alumnus Award' for his excellence in entrepreneurship.

Tewari is involved in the fueling of around 30 start-ups as yet in India and has personally invested and supported several start-ups like NestAway, SlideRule, Mettl, Moneysights, Bombay Canteen, Zimber, Razorpay, etc. A believer that start-ups will be the pillars of growing India, he co-founded iSPIRT, which aims to address government policy, create market catalysts, and grow the maturity of product entrepreneurs in order to transform India into a hub for new generation software products.

He also founded and chairs a U.S.-based nonprofit called India School Fund which funds and sets up schools in rural India, a cause he cares deeply for. Naveen is the board member of Paytm and has been recognized for his entrepreneurial skills at various platforms. He received several awards and recognitions over the last several years, including '2nd Most Important Person' by Business Insider's the Mobile Power List, 2012, 'Mobile Top 50' in the Drum, 2013, Forbes India Leadership Award for 'Outstanding Start Up', 2014, and 'Future Leaders Award' presented by Prime Minister Shri Narendra Modi, 2015.

An avid fan of cricket, Naveen is a fitness enthusiast and his early morning routine alternates between a long run outdoors and a cycling trip around the less crowded parts of the city.

## Director's Address



**Prof. Pankaj Jalote**  
**Director, IIIT-Delhi**

It is a great pleasure and honour for me to deliver the convocation address of this young Institute which has just turned 8. In the endless journey of an academic institution, this is a proud moment for IIIT-Delhi – the fifth convocation.

In this convocation, we are proud to confer 2 PhD, 82 M.Tech including 3 dual and 163 B.Tech degrees. With this, we have graduated altogether around 800 students. Given the high average compensation that our students receive, I estimate that our graduates will contribute over Rs 100 crores this year to the GDP, and contribute about Rs 20 crores as income tax.

With this year's admission, IIIT-Delhi student population has grown to 1137 students, including 781 BTech, 230 MTech, and 126 PhD students. The backbone of IIIT-Delhi is its faculty; current strength is steady at around 50, including about 10 visiting faculties. To expand course offerings to our students, we started allowing a limited number of credits to be earned through approved online courses. All put together – rigorous courses taught by high-quality faculty, modern and flexible curriculum, good infrastructure, and various innovations in education – IIIT-Delhi truly provides its students a world class education. This year, we also received NBA accreditation for the B.Tech (CSE) program. We already have the UGC 12B and NAAC 'A' Level accreditations.

This year, we also introduced a 3rd UG program after CSE and ECE, "BTech in Computer Science and Applied Mathematics (CSAM)". The program aims to produce graduates with computational skills as well as the ability to use sophisticated mathematical concepts and tools in order to approach complex problems.

As with any university that aspires for global respect and standing, contributions to research are critical. Last year, our faculty and students published over 150 research papers, including 24 journal papers, 123 conference papers, 10 workshop papers, and 7 book/book chapters. Our faculty was invited to more than 100 national and international seminars as speaker. Like previous years, this year also our faculty received several awards including best paper awards in conferences, NVIDIA Innovation Award, and the Visvesvaraya Young Faculty Fellowship. This year, 16 research proposals from our faculty were approved by various agencies for a total funding of around Rs. 4 crores. Our PhD students also continue to excel and have received several prestigious fellowships last year, including 1 TCS PhD Fellowship, 14 Visvesvaraya PhD Fellowships, and 1 IBM Fellowship.

In the world today, collaboration is key to success in research and innovation. Our faculty members were involved in collaborations with over 60 collaborators across the world. Of these, 15 are with industry, 35 with universities and faculty from other universities, and 12 are with research labs.

In our R&D efforts, we remain committed to entrepreneurial advancements and developing technologies that can be transferred for commercial implementation or use by other organizations. This year, 10 new technologies and tools were developed which were transferred to various organizations. The Institute also received funding of Rs 1.5 Crores from Delhi Government to promote entrepreneurship.

Our alumni, as is expected, are succeeding in various spheres – besides working for corporations where many are moving up rapidly, some are running their own companies or start-ups, some are contributing in research labs, and many are pursuing higher education in reputed institutions across the globe.

With respect to placements, this year again we kept up with our previous years' strong performance with placement in top companies such as Microsoft, Xerox Research, Amazon, Adobe, and EMC. By most measures for placement – highest domestic salary offered, the percentage of students placed, mean and median offers – we are amongst the top few in the country.

Due to our rapid growth, the current campus is fully utilized with limited scope to grow further. For further growth in student and faculty strength as well as bolstering our infrastructure, construction for the phase-II of the campus is ongoing and we expect building delivery to start

from summer of 2017. This phase will add another 70,000 sq. meters of space, approximately two times the current area, increasing our capacity to 3X.

When we started the Institute in 2008, we had clearly articulated to all stakeholders that in the first few years we will focus squarely on achieving academic excellence. I must say that we have clearly achieved a level which is widely respected in academic circles, much earlier than I had imagined. In recognition of that we started actively encouraging other activities on the campus. Students responded to it passionately and we now have vibrant student activities, with more than 15 student clubs under the Student Council.

Let me end the official report for the year by highlighting three main milestones we achieved last year. First, crossing a landmark figure of 100 PhD students – a remarkable feat for any academic institution to achieve within seven years of starting the PhD program.

Second, receiving a grant of over Rs 24 crore by Infosys Foundation for the establishment of Infosys Center for Artificial Intelligence (CAI), which was inaugurated by Mr. Pravin Rao, Chief Operating Officer of Infosys in April. This is one of the largest industry-supported research centers in an academic institution in the country, and shows clearly that corporations also want to see the development of top class research-led institutions in the country and are willing to provide support.

Third, a commitment from Delhi Government for supporting research by providing a matching grant to the Institute for all funds we receive for research from agencies and corporations. All great universities across the world focus on both research and education. While education can be made self-supporting, research is expensive and needs Government support. I am happy to inform that Hon'ble Dy CM of Delhi, who is also the Education Minister, has agreed to champion this innovative model for supporting research in a state university. Once fully implemented, the Institute should be able to become self-sustaining for research as well.

I have no doubt that given the commitment of faculty, staff, and students, and the support we get from the Board of Governors and the Government, IIIT-Delhi will continue on the path of improving our research and education, leading to more successes and contributions to the society by our students and faculty.

## Background about the Establishment of the Institute

Indraprastha Institute of Information Technology, Delhi (aka. IIIT-Delhi or IIITD) was created as a State University by an act of Delhi Government (The IIIT-Delhi Act, 2007) empowering it to do research and development and grant degrees. IIIT-Delhi was officially established on June 10, 2008 as per the notification in the Delhi Gazette. First class for B.Tech.(CSE) students was held on September 8, 2008.

The institute began with its first batch of 60 B.Tech. Students in 2008, since then, it has come a long way in a short span of eight years. In the 5th Convocation, we are conferring 2 PhD, 82 M.Tech (including 3 dual degrees.) and 163 B.Tech degrees.

We also have introduced a 3rd UG program after CSE and ECE, "BTech program in Computer Science and Applied Mathematics (CSAM)".

Major events and notifications relating to the Institute's evolution are:

1. April 2, 2008 - The IIIT-Delhi Act passed in Legislative Assembly
2. May 2, 2008 - Notification of the IIIT-Delhi Act
3. June 10, 2008 - IIIT-Delhi officially established
4. June 20, 2008 - Notification of IIIT-Delhi being established
5. July 17, 2008 - First statute
6. Aug 3, 2008 - Release of prospectus and website by the Chief Minister in a public function
7. Aug 23, 2008 - Entrance exam
8. Aug 26, 2008 - Counseling
9. Sept 8, 2008 - First day of classes for the first B.Tech. batch
10. Dec, 2008 - First visiting faculty member joins IIIT-Delhi.
11. March, 2009 - First regular faculty member joins the Institute
12. Aug, 2009 - Ph.D. (CSE) started
13. July 1, 2010 - Laying of Foundation Stone for IIIT-Delhi campus by the Chief Minister of Delhi
14. Aug, 2010 - M.Tech. (CSE) started
15. Aug, 2012 - B.Tech., M.Tech. and Ph.D. programs in ECE started
16. August 2015 - M.Tech. and Ph.D. programs in CB started
17. August 2016 - Phd Program in Mathematics started
18. August 2016 - B.Tech Program in CSAM started

# Infrastructure



## Permanent Campus

For the institute's permanent campus, the Government of National Capital Territory of Delhi allocated land in the GB Pant Polytechnic Campus in Okhla Phase III near Govindpuri Metro Station in August 2008. The modern campus of the institute is spread over 23 acres of land over the rocky terrain. At present, the Campus with a covered area of 32,500 sq meters consists of the following facilities:

- *Academic R&D Block*
- *Lecture Hall Block*
- *Library & Information Centre*
- *Dining Block*
- *Boys Hostel*
- *Girls Hostel*
- *Faculty Residences*
- *Service Block*
- *2 STPs*



## Phase II Construction

The IIITD campus spread out over an undulating terrain of a triangular peripheral plot around the GB Pant Polytechnic buildings in Okhla Phase-III, was planned to be constructed in three phases. The Phase-I having been completed with a built up area of 32,500 sq meters, the proposal for Phase-II construction of around 70,000 sq meters of built up area would cater to the requirements of 2,500 students and 125 faculty members.

Reputed Architects M/s Sikka Associates were appointed for the purpose who have prepared the plans for the project. The Academic and Seminar block are planned to be GRIHA rated. The campus will continue to be a zero discharge campus with additional STPs, energy efficient systems as LED fixtures, solar power plant, BMS etc.

The stone laying foundation ceremony was held on May 5, 2015. The actual construction started in August 2015. Significant progress has been made in the last one year and all the buildings are likely to be delivered between June 2017 and December 2017. The Phase II comprises of the following blocks:



New Academic Block



New Sports & Guesthouse block



Lecture Hall Block



New Residence block



New Hostel blocks

## Life @ IIITD



At IIITD, students take part in a number of social and cultural activities through several student clubs. These clubs not only hone their leadership skills but also help instill team spirit in them.



If you want to pursue a hobby, you just need some like-minded people to start your own club (if not already in existence) in the institute. Several student clubs in the institute enable students to enhance their talent in areas beyond academics. The clubs at IIIT- Delhi are based on adventure, music, software development, community work, dramatics, entrepreneurship, electronics,

programming, game development, dance, painting, design, photography, chess, quizzing, sightseeing, public speaking, eco-development and more. These clubs enable students to share knowledge and mentor those looking to break into the field.

At IIITD, a major chunk of students' time goes in academics as it requires hard work and focused effort.



There are two main student festivals - the technical festival Esya in August, which has now become one of the most vibrant tech-fests in Delhi, and the cultural festival Oddyssey in January. Both these festivals have large external participation and have various contests. Students are also organizing the TEDxIIITD event since last two years, which was hugely successful with excellent young inspirational speakers. It is expected to become a regular event in the coming years.

In addition, there are cultural events like Cadence. Research Showcase and other Tech events. The cultural activities (arts and literary) for the year are planned together by the Student Council and the Cultural Secretary. In all, a good number of extra-curricular activities take place on the campus throughout the year.

## Sports

Sports enthusiasts will find plenty to engage themselves at IIIT-Delhi, from intra-college events like football, table tennis, pool tournaments and the Intramural, to external events like the Delhi Half Marathon and Twaran, the inter-IIIT sports meet. The institute is equipped with a number of indoor and outdoor sports facilities. The top floor of the Dining Block houses a gymnasium, table tennis tables, and pool tables, while chess boards and carom boards are available in the hostel common rooms. The institute currently has two tennis courts, a basketball court, a volleyball field and two badminton courts. IIIT-Delhi has been regularly organizing various sporting events like the Intra-IIIT-Delhi football tournament Joga Bonito, Table Tennis and Pool tournaments, etc. Every year IIITD students participate in several tournaments in Delhi and outside Delhi. They were participants in the LSR invitational tournament, also took part in Spardha-IIT BHU Sports Fest from 30 Oct -1 Nov 2015, Twaran Sports Fest at Gwalior from 23-25 January 2016 & achieved positions in almost every sport activity. Also a group of students from IIIT-Delhi takes part in Delhi Half Marathon running for a cause. We also organize summer camps for various sports activities at IIIT-Delhi campus.



A mega sport event, Triquetra, was conceived and started from academic year 2015-2016. Triquetra is an event jointly held by IIITD, NSIT and DTU. The first of this mega event Triquetra-2016 was organized by IIITD.

# Graduation Data

## Graduating student numbers

Program	2012	2013	2014	2015	2016	Total in each Program
B.Tech. (CSE)	51	52	85	109	126	<b>423</b>
B.Tech (ECE)	-	-	-	-	37	<b>37</b>
Dual degree (B.Tech. & M.Tech.)-CSE	-	-	2	4	3	<b>9</b>
M.Tech. (CSE)	22	33	58	75	46	<b>234</b>
M.Tech. (ECE)	-	-	19	30	33	<b>82</b>
Ph.D.	-	-	2	4	2	<b>8</b>
<b>Total Graduating Students in each Convocation</b>	<b>73</b>	<b>85</b>	<b>166</b>	<b>222</b>	<b>247</b>	<b>793</b>

## Medals and Awards

Chancellor's Gold Medal	2012	Sanpreet Singh Arora
	2013	Mayank Pundir
	2014	Abhishek Gupta
	2015	Aditya Gupta
All Round Performance Medal	2012	Ishita Jain
	2013	Raghav Sethi
	2015	Siddharth Gupta
Best B.Tech Project Award	2012	Ankit Kadam and Manish Dahamiwal
	2014	Apoorv Narang and Aditya Kumar
	2015	Rishav Jain
Best M.Tech Thesis Award	2013	Sumesh Manjunath R
	2014	Ankita Shukla
	2015	Aritra Dhar

# Award of Degrees, Medals and Prizes - 2016

## THE CHANCELLOR'S GOLD MEDAL

(For the best academic performance of all the graduating students in B.Tech Programs)



**Megha Arora**  
(2012059)



**Alakh Dhruv Chopra**  
(2012016)

## BEST ACADEMIC PERFORMANCE IN B.TECH (ECE)



**Shreya Singh**  
(2012160)

## ALL ROUND PERFORMANCE MEDAL



**Sarthak Ahuja**  
(CSE - 2012088)



**Ankush Jolly**  
(ECE - 2012128)

## BEST B.TECH PROJECT AWARD

(For the best Bachelor of Technology Research Project in CSE)



**Prateekshit Pandey**  
(2012078)

## **BEST B.TECH PROJECT AWARD**

(For the Best Bachelor of Technology Entrepreneurship Project)



**Mansi Panwar**  
(ECE-2012143)



**Shashank Gautam**  
(CSE-2012093)

## **BEST M.TECH THESIS AWARD (CSE)**



**Anurag Chowdhury**  
(MT14002)



**Yogesh Kumari**  
(MT14032)

## **BEST M.TECH THESIS AWARD (ECE)**



**Ankita Raj**  
(MT14077)



**Md. Ayatullah Maktoomi**  
(PhD1225)

# Graduating Students 2016

## DOCTOR OF PHILOSOPHY (Ph.D.)

Mohona Ghosh  
PhD1216

Dr. Somitra Sanadhya  
Dr. Donghoon Chang  
(Thesis Supervisors)

*Analysis of Block Cipher Constructions against  
Biclique and Multiset Attacks*

Paridhi Jain  
PhD1008

Dr. Ponnurangam Kumaraguru  
(Thesis Supervisor)

*Automated Methods for Identity Resolution  
across Online Social Network*

## MASTER OF TECHNOLOGY (M.Tech.)

### Computer Science and Engineering

MT13043	Navin Agrawal
MT13047	Prasoon*
MT14001	Amandeep Singh
MT14002	Anurag Chowdhury*
MT14003	Ashish Bandil*
MT14004	Avanish Kumar Singh
MT14005	Deepak Das
MT14006	Garima
MT14007	Garima Mahajan
MT14008	Gullal Singh Cheema*
MT14011	Kondamadugula Raghunath Reddy*
MT14014	Manisha Dubey*
MT14015	Naman Goyal
MT14016	Niharika Gupta
MT14017	Nishant Adhikari
MT14018	Priyanka Balotra
MT14019	Rahul Sharma
MT14021	Sachin Negi
MT14022	Sanchari Deb
MT14023	Shisagnee Banerjee
MT14024	Shreya Tripathi*
MT14025	Sirinam Sampath
MT14026	Sonal Goel
MT14027	Vasudev Chatterjee
MT14029	Vikas Singh
MT14030	Vincent B Mathew
MT14031	Yash Dhingra
MT14032	Yogesh Kumari
MT14036	Ankit Verma
MT14041	Pooja Gupta
MT14043	Sakshi Agarwal
MT14045	Swati Rathi*

MT14048	Anshika Agarwal*
MT14049	Himanshu Varshney
MT14050	Megha Vij
MT14051	Neha
MT14052	Nikita Jain
MT14054	Rupali Jain

### Computer Science and Engineering (Information Security)

MT14039	Kritika Mittal
MT14040	Munawar Hasan*
MT14042	Pradyumn Nand
MT14044	Shubham Srivastava
PhD1212	Amit Kumar Chauhan*

### Computer Science and Engineering (Mobile Computing)

MT13073	Prabhat Mishra*
MT14046	Aanchal Singh
MT14053	Ruchika Banerjee*

### Electronics and Communications Engineering

MT14069	Ricktam Kundu
MT14071	Sakshi Taneja
MT14076	Amit Mohindru
MT14079	Ashwani
MT14083	Manish Kumar*
MT14086	Nidhi Gupta*
MT14089	Saloni Mittal*
MT14090	Shreyata Sharma*
MT14093	Sushant Kumar*
MT14094	Vibhutesh Kumar Singh
PhD1225	Md. Ayatullah Maktoomi*

\*Students graduated on Aug 21, 2016

All others have graduated on May 21, 2016

**Electronics and Communications Engineering  
(Communication and Signal Processing)**

MT14077	Ankita Raj*
MT14078	Arpita Gang*
MT14080	Himani Joshi*
MT14084	Mansi Peer*
MT14085	Mehta Janki Vrajvihari
MT14087	Prerna Khurana*
MT14088	Protim Bhattacharjee*
MT14091	Snigdha Tariyal*

**Electronics and Communications Engineering  
(VLSI & Embedded Systems)**

MT14056	Anindya Jyoti Chandra*
MT14057	Antara Ganguly*
MT14058	Disha Arora*
MT14060	Praveen Kumar K K*
MT14062	Nidhi Batra*
MT14063	Pawan Sehgal*
MT14064	Preet Kaur Walia*
MT14066	Pulkit Sharma*
MT14067	Raghav Kishore
MT14068	Renduchinthala Anusha*
MT14070	Sakshi Jain*

**Dual Degree - B.Tech. & M.Tech  
Computer Science and Engineering**

2011094	Sahil Mahajan*
2011104	Shivangi Yadav

**BACHELOR OF TECHNOLOGY (B.Tech.) - Graduating with Honors**

**Computer Science and Engineering**

2012016	Alakh Dhruv Chopra*
2012019	Anchita Goel*
2012033	Deepali Kishnani*
2012037	Geetali Tyagi
2012071	Pawas Chhokra*
2012088	Sarthak Ahuja
2012105	Simranjit Kaur Bakshi*

MT14073	Shashwat *
MT14074	Sneha Bhatia
MT14081	Jasmine Kaur Gulati*

**Expected to Graduate on Dec 21, 2016**

**Computer Science and Engineering**

MT14009	Hitanshu Rakeshkumar Tiwari
MT14010	Joy Aneja
MT14013	Manisha Agrawal
MT14028	Veronica Sharma
MT14033	Ajit Pratap Singh
MT14034	Amitesh
MT14035	Anindya Srivastava
MT14037	Deependra Raghuvanshi
MT14047	Abhishek Mitra
MT14055	Sangeeth. K.

**Electronics and Communications Engineering**

MT14059	K Bharath
MT14072	Sangeeta Goyal
MT14075	Vijay Sharma
MT14082	Kavya Gupta
MT14092	Suman Pani
MT14095	Rahul Gupta

**Computer Science and Engineering  
(Mobile Computing)**

2011119	Yesha Mittal*
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2012134	Harsh Manocha*
2012163	Shuktika Jain

**Electronics and Communications Engineering**

2012139	Inderdeep Singh
2012160	Shreya Singh

*\*Students graduated on Aug 21, 2016  
All others have graduated on May 21, 2016*

## **BACHELOR OF TECHNOLOGY (B.Tech.)**

### ***Computer Science and Engineering***

2011001	Aakanksha*	2012046	Jyotsana
2011035	Bhawna Singh	2012048	Kaushik Barman
2011039	Deepak Wali	2012049	Khushboo Mandal
2011075	Pranav Jain	2012050	Kriti Pandey
2012001	Aakriti Tayal	2012051	Kritisha Tandon
2012002	Aarushi Chawla	2012052	Kundan Kumar
2012003	Aarushi Goel	2012053	Mahima Malik
2012004	Aarushi Karnany*	2012054	Manan Gakhar
2012005	Abhishek Dabas*	2012055	Mansi Verma
2012007	Abhishek Mohabe	2012056	Mansi Vijn
2012008	Aditya Kumar	2012057	Mayank Verma
2012009	Aditya Mishra	2012058	S Meenakshi
2012010	Akanksha Rana	2012059	Megha Arora
2012011	Akash Kumar	2012060	Mohd Zaid Aslam
2012012	Akhil Choudhary	2012061	Mridul Malpotra
2012013	Akshay Tomar	2012062	Mrinal Kachhara
2012014	Akshima	2012064	Neeraj Kumar
2012015	Akshita Anand	2012065	Nehal Gulati*
2012017	Alankrita Pathak	2012066	Niharika Verma
2012020	Anisha Agrawal	2012067	Pallavi Chhikara
2012021	Ankit Mittal	2012068	Pankhuri Shrivastava
2012022	Anmol Aggarwal	2012069	Paridhi Mittal
2012023	Archie Gupta	2012070	Parth Batra*
2012024	Archit Taneja	2012072	Prabhjot Singh
2012025	Arman Bansal	2012073	Pranav Chadha
2012026	Ashish Khatkar	2012075	Prasant Chidella
2012028	Ashwin Mathew	2012076	Prashant Singh Bharti
2012029	Ayush Goel	2012077	Prateek Singh Lohchubh
2012030	Ayush Mittal	2012078	Prateekshit Pandey*
2012031	Chaitanya Kumar*	2012079	Preeti Singh
2012032	Danish Goel	2012080	Priya Chaudhary
2012034	Devyani Rohilla	2012081	Priyanka Yadav
2012035	Ekampreet Singh	2012082	Pulkit Arora
2012036	Gaurav Rajan	2012083	Pulkit Manocha
2012038	Hardik Choudhary*	2012084	Rishi Baijal
2012039	Harkirat Singh Lamba	2012085	Ritwik Shokeen
2012040	Harsh Vaibhav*	2012086	Rohan Katyal
2012041	Ishan Manjani	2012087	Rohan Kumar*
2012042	Ishita Ahlawat*	2012089	Saumya Jain
2012043	Jasmine Kaur	2012090	Saumya Prasad
2012044	Juhi Jetwani	2012091	Shagun Beniwal
2012045	Jyoti Gangwar	2012092	Shantanu Goel

*\*Students graduated on Aug 21, 2016*

*All others have graduated on May 21, 2016*

2012093	Shashank Gautam
2012095	Shiv Kandikuppa*
2012096	Shivendra Vikram Srinet
2012097	Shrey Shashank
2012098	Shrey Gupta
2012099	Shreya
2012100	Shreya*
2012101	Shubham Singh
2012102	Shubhankar*
2012103	Shubhorup Biswas*
2012104	Siddhartho Das
2012106	Sonia Dalal
2012107	Srishty Saha
2012108	Sukrit Kalra
2012109	Suraj Rana
2012110	Sushil Bharti
2012111	Talha Ahmad Siddiqui
2012112	Tarun Verma
2012113	Tavneet Singh
2012115	Vaibhav Gosain
2012116	Varnika Singh
2012117	Vedanshi Kataria
2012118	Vedant Das Swain
2012119	Vinita Chaudhary*
2012120	Vivek Raj
2012130	Arushi Jain
2012131	Ayush Verma
2012133	Garvita Allabadi
2012138	Himesh Yadav
2012141	Magus Verma
2012144	Manya Wadhwa
2012164	Shweta Sood
2012168	Umang Arora

### ***Electronics and Communications Engineering***

2012047	Kanishk Rawat*
2012121	Abhinav Aggarwal*
2012122	Abhinav Jadon
2012123	Abhishek Kumar
2012124	Aditya Kumar
2012125	Ajay Pratap Yadav
2012126	Akshay Punhani
2012127	Aman Singhal*
2012128	Ankush Jolly
2012129	Arindam Chugh*
2012132	Bavneet Singh*

2012135	Harsh Solanki*
2012136	Harsh Vardhan Jaiswal
2012137	Himanshu Singh
2012140	Kani Garg
2012142	Manish Kumar
2012143	Mansi Panwar
2012146	Mukul Gupta
2012147	Nikita Singh
2012148	Prafful Bansal*
2012149	Prateek Singh*
2012150	Pulkit Kumar Gupta
2012152	Raghav Anand*
2012153	Raghav Sehgal
2012154	Rajat Ruhaan
2012155	Rajat Kashyap
2012156	Sanchit Kumar Agarwal*
2012157	Sankalp Mehar*
2012158	Saumya Nagpal
2012159	Shikhar Agarwal
2012161	Shubham Kaul
2012162	Shubham Verma
2012165	Siddhant Verma
2012169	Vipul Panwar
2012170	Vishal Kumar

### ***Following B.Tech. students have also graduated with Minor in Economics***

2012013	Akshay Tomar
2012020	Anisha Agrawal
2012062	Mrinal Kachhara
2012092	Shantanu Goel
2012097	Shrey Shashank
2012098	Shrey Gupta
2012104	Siddhartho Das
2012163	Shuktika Jain
2012127	Aman Singhal
2012148	Prafful Bansal

### ***Expected to Graduate on Dec 21, 2016***

#### ***Computer Science and Engineering***

2011102	Shikhar Singhal
2011103	Shivangi Mehra
2012018	Ananya Harsh Jha
2012027	Ashish Rawat
2012074	Pranav Chhikara
2012167	Udayan Tandon

*\*Students graduated on Aug 21, 2016*

*All others have graduated on May 21, 2016*

# M.Tech. Theses

## Computer Science and Engineering

Sahil Mahajan  
2011094  
*Guillotine Cuts*

Rajiv Raman  
(Thesis Supervisor)

Shivangi Yadav  
2011104

Mayank Vatsa  
Richa Singh  
(Thesis Supervisors)

*Low Rank Sparse Representation based Adaptive Face Recognition*

Yesha Mittal  
2011119

Vinayak S. Naik  
Viswanath Gunturi  
(Thesis Supervisors)

*Finding optimal locations for taxi stands on city map*

Navin Agrawal  
MT13043

Richa Singh  
Mayank Vatsa  
(Thesis Supervisors)

*Gender Classification using RGB-D Videos*

Prasoon  
MT13047

Chetan Arora  
(Thesis Supervisor)

*Extending a Scaling Based Flow Algorithm for Inference in Higher Order MRF-MAP Problems*

Anurag Chowdhury  
MT14002

Mayank Vatsa  
Richa Singh  
(Thesis Supervisors)

*RGB-D Face Recognition in Surveillance Videos*

Gullal Singh Cheema  
MT14008

Saket Anand  
(Thesis Supervisor)

*Semi-supervised Anisotropic Mean Shift Clustering using Distance Metric Learning*

Manisha Dubey  
MT14014

Vikram Goyal  
(Thesis Supervisor)

*Classifying Stack Overflow Questions Based on Bloom's Taxonomy*

Shisagnee Banerjee  
MT14023

Angshul Majumdar  
(Thesis Supervisor)

*Addressing Coldstart Problem in Recommender Systems*

Shreya Tripathi  
MT14024

Saket Anand  
(Thesis Supervisor)

*Planar Modeling of Indoor Scenes using RGBD Images*

Sonal Goel  
MT14026

*Image Search for Improved Law and Order: Search, Analyze, Predict image spread on Twitter*

Yogesh Kumari  
MT14032

Rahul Purandare  
Aditya Kanade (IISc)  
(Thesis Supervisors)

*Test Reduction based Automated Grading and Feedback using PathClasses*

Munawar Hasan  
MT14040

Somitra K. Sanadhya  
(Thesis Supervisor)

*Cryptanalysis of SHA2 based on Perturbation technique*

Pradyumn Nand  
MT14042

Ponnuram K.  
(Thesis Supervisor)

*Analysing Employee Disclosure on Online Social Networks*

Shubham Srivastava  
MT14044

Debajyoti Bera  
(Thesis Supervisor)

*Utility And Privacy Guarantees of Differential Privacy*

Anshika Agarwal  
MT14048

Sambuddho Chakravarty  
(Thesis Supervisor)

*Cairn: Identifying Network Locations for Large Scale Censorship by Resource-Constrained Adversaries*

Megha Vij  
MT14050

Vinayak S. Naik  
Viswanath Gunturi  
(Thesis Supervisors)

*Using Smartphone-based Accelerometer to Detect Travel by Metro Train*

Ruchika Banerjee  
MT14053

Vinayak S. Naik  
Kuntal Dey (IBM)  
(Thesis Supervisors)

*Video Compression Technique Using Facial Landmarks on Mobile Devices*

## Electronics and Communications Engineering

Antara Ganguly  
MT14057

Sujay Deb  
(Thesis Supervisor)

*A Scalable Solution for Cache Coherence in Many-core Systems using Share-Pattern Aware Cache Segmentation and Hybrid Network-on-Chip*

Disha Arora MT14058 <i>Design and Analysis of Sense Amplifier Topologies for Volatile and Non-Volatile Memories</i>	M S Hashmi (Thesis Supervisor)	Shashwat MT14073 <i>Wide bandgap HEMT Device (GaN) Characterization and Modeling for High Power Amplifier Design</i>	M S Hashmi (Thesis Supervisor)
Praveen Kumar K K MT14060 <i>Automated, Inter-Macro Channel Space Adjustment and Optimization for Faster Design Closure</i>	Alexander Fell Sachin Mathur (STMicro) (Thesis Supervisors)	Ankita Raj MT14077 <i>Resource Allocation Problems in G.fast and Enterprise WiFi networks</i>	Pravesh Biyani (Thesis Supervisor)
Nidhi Batra MT14062 <i>Exploration of Test Methodologies to Detect Weak bits in SRAMs</i>	M S Hashmi Anuj Grover (STMicro) (Thesis Supervisors)	Arpita Gang MT14078 <i>Discriminative Framework for Single Channel Audio Source Separation</i>	Pravesh Biyani (Thesis Supervisor)
Pawan Sehgal MT14063 <i>An Efficient and Effective Tool to Debug Clock Propagation Issues for Faster Design Closure</i>	Sujay Deb Akhilesh Chandra Mishra (STMicro) Rangarajan Ramanujam (STMicro) (Thesis Supervisors)	Himani Joshi MT14080 <i>Blind Reconstruction and Automatic Modulation Classifier for Non-Uniform Sampling Based Wideband Communication Receivers</i>	Sumit J Darak (Thesis Supervisor)
Preet Kaur Walia MT14064 <i>Mitigation of Cold Boot Attack Using an Encrypted Memory Controller</i>	M S Hashmi (Thesis Supervisor)	Jasmine Kaur Gulati MT14081 <i>An Efficient Timing and Clock Tree Aware Placement Flow with Multibit Flip-Flops for Power Reduction</i>	Sumit J Darak Bhanu Prakash (STMicro) (Thesis Supervisors)
Pulkit Sharma MT14066 <i>Yield Estimation of SRAM and Design of a Dual Functionality Read-Write Driver for SRAM</i>	M S Hashmi (Thesis Supervisor)	Mansi Peer MT14084 <i>Cognitive Spectrum Sharing Protocols for Energy Harvesting Wireless Sensor Nodes</i>	Vivek Ashok Bohara (Thesis Supervisor)
Raghav Kishore MT14067 <i>Evaluation Framework for Technology Agnostic Hybrid NoC Architecture</i>	Sujay Deb (Thesis Supervisor)	Mehta Janki Vrajvihari MT14085 <i>Robust Autoencoders</i>	Angshul Majumdar (Thesis Supervisor)
Renduchinthala Anusha MT14068 <i>An effective and efficient methodology for SoC power management using UPF</i>	Sujay Deb Akhilesh Chandra Mishra (STMicro) Rangarajan Ramanujam (STMicro)	Nidhi Gupta MT14086 <i>Automation Framework with Enhanced Feature Support for Post Silicon Validation</i>	Sumit J Darak Amit Goel (STMicro) (Thesis Supervisors)
Sakshi Jain MT14070 <i>A Framework for Video Coding Analyzer</i>	Alexander Fell Ajit Singh Motra (STMicro) (Thesis Supervisors)	Perna Khurana MT14087 <i>Classwise Deep Dictionary Learning</i>	Angshul Majumdar (Thesis Supervisor)
		Protim Bhattacharjee MT14088 <i>Analysis Deep Dictionary Learning</i>	Angshul Majumdar (Thesis Supervisor)

Saloni Mittal  
MT14089  
*Cooperative Spectrum Sharing with Two-way Relaying*

Vivek Ashok Bohara  
(Thesis Supervisor)

Shreyata Sharma  
MT14090  
*Transfer Reinforcement Learning Framework for Energy Saving in Next Generation Wireless Networks*

Anand Srivastava  
Sumit Darak  
(Thesis Supervisors)

Snigdha Tariyal  
MT14091  
*Deep Dictionary Learning*

Angshul Majumdar  
(Thesis Supervisor)

Sushant Kumar  
MT14093

*Blind Parameters Estimation by Exploiting Cyclostationary Features in Wavelet Domain*

Vibhutesh Kumar Singh  
MT14094  
*Measurement Results for Cooperative Device-to-Device Communication in Cellular Networks*

Vivek Ashok Bohara  
Sumit Darak  
(Thesis Supervisors)

Vivek Ashok Bohara  
(Thesis Supervisor)

Md. Ayatullah Maktoomi  
PhD1225  
*High Bandwidth Planar Power Divider*

M S Hashmi  
(Thesis Supervisor)

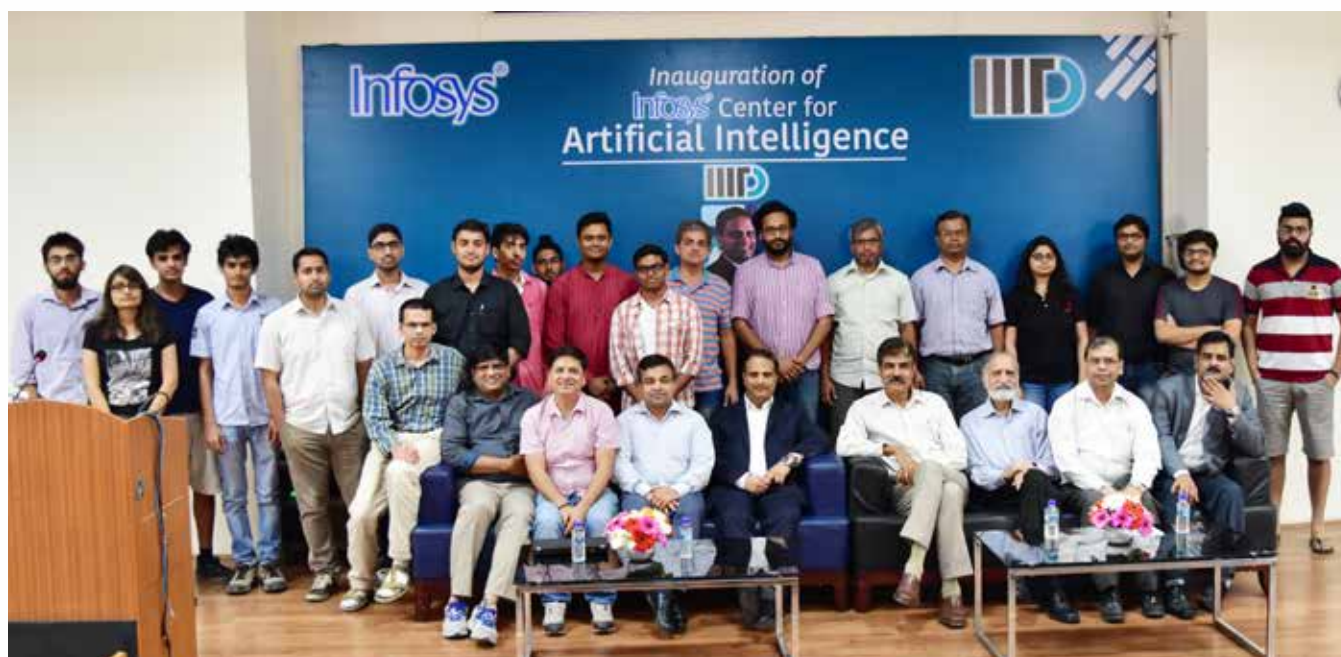


## B.Tech. Project (BTP)

Deepak Wali(2011039)	Manohar Khushlani (BTP Supervisor)	Ayush Goel (2012029)	Pushpendra Singh (BTP Supervisor)
<i>3D Modeling and Animation</i>		<i>Webstore Themes and Widget Development</i>	
Aakriti Tayal (2012001)	Ponnurangam K. (BTP Supervisor)	Ayush Mittal (2012030) Kriti Pandey (2012050)	Vinayak S. Naik (BTP Supervisor)
<i>Dynamic Vendor Management Using Vendor Reputation Score</i>		<i>Diagnoid - An Android Platform for Purchasing Pathological Tests</i>	
Aarushi Chawla (2012002)	Vinayak S. Naik (BTP Supervisor)	Danish Goel (2012032) Manan Gakhar(2012054)	Ponnurangam K. (BTP Supervisor)
<i>Dashboard-Metrics for Lumos Events</i>		<i>MeriAwaaz</i>	
Aarushi Goel (2012003) Akshima (2012014)	Donghoon Chang (BTP Supervisor)	Deepali Kishnani (2012033) Harkirat Singh Lamba (2012039)	Vinayak S. Naik (BTP Supervisor)
<i>White box cryptography</i>		<i>Natural Language Based Optimization Rules for xCP Designer Applications</i>	
Aarushi Karnany (2012004)	Pravesh Biyani (BTP Supervisor)	Ekampreet Singh (2012035)	Mayank Vatsa Richa Singh (BTP Supervisors)
<i>WiPlay - On the Go Media System</i>		<i>CAPTCHAs Based on Object and Attribute Recognition</i>	
Aditya Mishra (2012009)	H B Acharya (BTP Supervisor)	Geetali Tyagi (2012037) Shweta Sood(2012164)	Vinayak S. Naik (BTP Supervisor)
<i>Data Migrations in one Fs Distributed File Systems</i>		<i>Use of Smartphone-Based Indoor Positioning for Attendance</i>	
Akhil Choudhary (2012012) Bavneet Singh (2012132)	Alexander Fell (BTP Supervisor)	Ishan Manjani (2012041)	Mayank Vatsa Richa Singh (BTP Supervisors)
<i>Smart Tennis Sensor Package</i>		<i>A Novel Approach to Face Anti-spoofing</i>	
Alakh Dhruv Chopra (2012016)	Debajyoti Bera (BTP Supervisor)	Jyoti Gangwar (2012045) Nehal Gulati(2012065)	Manohar khushlani (BTP Supervisor)
<i>Representing Combinatorial Structures as Pi01 Classes</i>		<i>3D modelling and Animation of space elements and IIITD Logo</i>	
Alankrita Pathak (2012017)	Vinayak S. Naik (BTP Supervisor)	Khushboo Mandal (2012049) Preeti Singh(2012079)	Manohar khushlani (BTP Supervisor)
<i>Improving Relationship Change History And Self-Servicing Additional Information</i>		<i>Modelling, Designing &amp; Animation of IIITD Logo, House Interiors and Exteriors.</i>	
Anchita Goel (2012019)	Somitra K. Sanadhya (BTP Supervisor)	Mansi Vijh (2012056)	Mayank Vatsa Richa Singh (BTP Supervisors)
<i>Secure Multi Party Computation</i>		<i>Using EEG Signals for Biometric Identification</i>	
Archit Taneja (2012024)	Vinayak S. Naik (BTP Supervisor)		
<i>Optimal Pre-Caching of Returns Data and Parallelization</i>			

Megha Arora (2012059) Rohan Katyal (2012086) <i>Spring Data Documentum</i>	Ponnurangam K. (BTP Supervisor)	Rohan Kumar (2012087) Vivek Raj (2012120) <i>Dillify-A service provider portal</i>	Vikram Goyal (BTP Supervisor)
Mridul Malpotra (2012061) Tarun Verma (2012112) <i>Subverting Exit Censorship in Anonymous Networks</i>	Sambuddho Chakravarty (BTP Supervisor)	Sarthak Ahuja (2012088)  <i>Applications of Modern SLAM Systems for Visual Positioning</i>	Chetan Arora Saket Anand (BTP Supervisors)
Mrinal Kachhara (2012062) Shuktika Jain (2012163) <i>Use of Software Defined Radios for Packet Snooping in Heterogeneous Wireless Networks</i>	Vinayak S. Naik (BTP Supervisor)	Saumya Jain (2012089)  <i>Implement of the Image services of Openstack and developing an EMC specific fabric compatible model</i>	Vinayak S. Naik (BTP Supervisor)
Niharika Verma (2012066) Shrey Shashank (2012097) <i>Caspian's Implementation of Identity Service</i>	H B Acharya (BTP Supervisor)	Shagun Beniwal (2012091)  <i>WiPlay-On the go Media Entertainment System</i>	Pravesh Biyani (BTP Supervisor)
Pawas Chhokra (2012071)  <i>Unconstrained Kinect Video Face Recognition using Dictionary Learning</i>	Mayank Vatsa Richa Singh (BTP Supervisors)	Shashank Gautam (2012093) Mansi Panwar (2012143) <i>MeriAwaaz</i>	Ponnurangam K. (BTP Supervisor)
Pranav Chadha (2012073) Pulkit Arora(2012082)  <i>Unconstrained Face recognition</i>	Mayank Vatsa Richa Singh (BTP Supervisors)	Shiv Kandikuppa (2012095)  <i>Web Traffic Limit Service For AMAZON Team Mobius</i>	Vinayak S. Naik (BTP Supervisor)
Prasant Chidella (2012075)  <i>GPU Optimized MD Simulation</i>	Ojaswa Sharma Arnab Bhattacharyajee (BTP Supervisors)	Shrey Gupta (2012098)  <i>Research Portal</i>	Ponnurangam K. (BTP Supervisor)
Prateek Singh Lohchubh (2012077) <i>Creating and Programming AI Characters</i>	Ojaswa Sharma (BTP Supervisor)	Shubham Singh (2012101)  <i>NMS Occupancy Web App</i>	Pushpendra Singh (BTP Supervisor)
Prateekshit Pandey (2012078)  <i>Face Recognition with Obfuscation</i>	Mayank Vatsa Richa Singh (BTP Supervisors)	Simranjit Kaur Bakshi (2012105) Manya Wadhwa(2012144) <i>Creating a 3D virtual campus walkthrough for Android handheld devices</i>	Vinayak S. Naik (BTP Supervisor)
Pulkit Manocha (2012083)  <i>Query Framework for Eclipse EMF models</i>	H B Acharya (BTP Supervisor)	Sonia Dalal (2012106) Vedanshi Kataria (2012117) <i>Runtime Monitoring System for Real-Time Systems</i>	Rahul Purandare (BTP Supervisor)
Rishi Baijal (2012084)  <i>Non-Intrusive Occupancy Monitoring and re-evaluating the bar for energy disaggregation</i>	Amarjeet Singh Nipun Batra (BTP Supervisors)	Srishty Saha (2012107)  <i>Detecting Obscene Content on YouTube</i>	Ponnurangam K. (BTP Supervisor)
		Sukrit Kalra (2012108)  <i>Refund Engine Migration</i>	Vinayak S. Naik (BTP Supervisor)

Suraj Rana (2012109)	Vikram Goyal (BTP Supervisor)	Abhinav Aggarwal (2012121)	Anand Srivastava (BTP Supervisor)
<i>Development of Amazon's Customized Platform</i>		<i>Simulation based performance improvement in indoor VLC system</i>	
Talha Ahmad Siddiqui (2012111)	Mayank Vatsa	Abhinav Jadon (2012122)	Sanjit Kaul
Harsh Manocha (2012134)	Richa Singh (BTP Supervisors)		(BTP Supervisor)
<i>U-FACE: Crowd Face Detection and Recognition</i>		<i>Spatial Reuse in Wireless Networks</i>	
Tavneet Singh (2012113)	Vikram Goyal (BTP Supervisor)	Magus Verma (2012141)	Pushpendra Singh (BTP Supervisor)
<i>Customs Records Document Management and Creating Sevicees for AMAZON Brokers</i>		<i>Amazon Returns Notifications and Auditing</i>	
Vedant Das Swain (2012118)	Vinayak S. Naik (BTP Supervisor)	Umang Arora (2012168)	Pushpendra Singh (BTP Supervisor)
<i>Movie Miner</i>		<i>IIIT-Delhi Occupancy System</i>	
Arushi Jain (2012130)	Vinayak S. Naik (BTP Supervisor)	Inderdeep Singh (2012139)	Shobha Sundar Ram
<i>Return Reason Code Redesigning for AMAZON</i>		Rajat Kashyap (2012155)	
		<i>Micro-Doppler Signatures of Underwater Vehicles using Acoustic Radar</i>	
Garvita Allabadi (2012133)	Rahul Purandare (BTP Supervisor)	Mukul Gupta (2012146)	Sujay Deb (BTP Supervisor)
<i>Automatic Code Repair</i>		<i>Analysing IO subsystem performance for AMD and Intel APUs using IOMeter benchmark</i>	
Ankush Jolly (2012128)	Vivek Ashok Bohara (BTP Supervisor)	Shreya Singh (2012160)	M S Hashmi (BTP Supervisor)
Siddhant Verma (2012165)		<i>Fractional Elements Systems</i>	
<i>RF Energy Harvesting</i>			



## LIST OF PUBLICATIONS BY GRADUATING STUDENTS - 2016

**Abhinav Aggarwal, Aman Singhal** and Sumit J. Darak, "Clean and Green India: Is Solar Energy the Answer?," accepted in *IEEE Potential*, July 2016.

**Akshima**, Donghoon Chang, Mohona Ghosh, **Aarushi Goel** and Somitra Kumar Sanadhya. "Single Key Recovery Attacks on 9-Round Kalyna-128/256 and Kalyna-256/512", In *Proceedings of Information Security and Cryptology - {ICISC} 2015 - 18th International Conference*, Seoul, South Korea, pp. 119—135, November 25-27, 2015.

**Akshima**, Donghoon Chang, Mohona Ghosh, **Aarushi Goel** and Somitra Kumar Sanadhya. "Improved Meet-in-the-Middle Attacks on 7 and 8-Round ARIA-192 and ARIA-256, *Progress in Cryptology*" - {INDOCRYPT} 2015 - 16th International Conference on Cryptology in India, Bangalore, India, pp. 198—217 December 6-9, 2015.

M. A. Maktoomi, M. S. Hashmi, **Ajay Pratap Yadav and Vishal Kumar**, "A Generic Tri-Band Matching Network," In *IEEE Microwave and Wireless Components Letters*, vol. 26, no. 5, pp. 316-318, May 2016.

M. A. Maktoomi, **Ajay Pratap Yadav**, M. S. Hashmi, and F. M. Ghannouchi, "Dual-Frequency Admittance Property of Two Sections Transmission-Line and Application," In *Proceedings of In IEEE 59th International Midwest Symposium on Circuits and Systems (MWSCAS)*, Abu Dhabi, UAE, Oct. 2016.

**Antara Ganguly**, S. Deb, "New Stable Loadless 6T Dual Port SRAM Cell Design," In *Proceedings of IEEE 20th International Conference on VLSI Design and Test (VDAT)*, IIT Guwahati, India, May 2016.

**Anurag Chowdhury**, S. Ghosh, Richa Singh, and Mayank Vatsa, "RGB-D Face Recognition via Learning-based Reconstruction", In *Proceedings of IEEE International Conference on Biometrics: Theory, Applications and Systems*, 2016.

**Archit Taneja, Aakriti Tayal**, A. Malhotra, A. Sankaran, Mayank Vatsa, and Richa Singh. "Fingerphoto Spoofing in Mobile Devices: A Preliminary Study". In *Proceedings of International Conference on Biometrics Theory, Applications and Systems*, IEEE, 2016.

Ramanjit Ahuja, **Arpita Gang**, Pravesh Biyani, Surendra Prasad, "A fast converging method for Common Mode Sensor based Impulse Noise Cancellation for Downstream VDSL", accepted in *EUSIPCO* 2016.

**Arpita Gang**, Pravesh Biyani, "On Discriminative Framework for Single Channel Audio Source Separation", accepted in *INTERSPEECH* 2016.

**Chaitanya Kumar** and Vinayak Naik, "Towards Secure Decoy Routing by Using SDN" in *TinyTOCS*, Volume 4, 2016.

**Disha Arora**, G. A. Kumar, and M. S. Hashmi, "A High Speed Low Voltage Latch Type Sense Amplifier for Non-Volatile Memory," In *Proceedings of IEEE 20th International Conference on VLSI Design and Test (VDAT)*, IIT Guwahati, India, May 2016.

**Himani Joshi** and Sumit J. Darak, "Blind and Adaptive Reconstruction Approach for Non-Uniformly Sampled Wideband Signal," In Proceedings of 5th International Conference on Advances in Computing, Communications and Informatics (ICACCI), India, Sept. 2016.

**Ishan Manjani**, Hakki Dogane Sumerkan, Patrick Flynn, and Kevin Bowyer, "Template Aging in 3D and 2D Face Recognition", In Proceedings of IEEE International Conference on Biometrics: Theory, Applications and Systems, 2016.

**Janki Mehta, Kavya Gupta**, Anupriya Gogna and Angshul Majumdar, "Stacked Robust Autoencoder for Classification", ICONIP 2016

**Kavya Gupta, Ankita Raj** and Angshul Majumdar, "Analysis and Synthesis Prior Greedy Algorithms for Non-linear Sparse Recovery", In Proceedings of Data Compression Conference 2016.

**Kavya Gupta, Ankita Raj** and Angshul Majumdar, "Analysis and Synthesis Prior Greedy Algorithms for Non-linear Sparse Recovery," In Proceedings of Data Compression Conference, Snowbird, UT, 2016.

**Kavya Gupta** and Angshul Majumdar, "Sparsely Connected Autoencoder", In Proceedings of International Joint Conference on Neural Networks (IJCNN), Vancouver, 2016.

**Kirti Pandey and Ayush Mittal**, "User profiling on Tumblr through blog posts," In Proceedings of International Conference on Computational Techniques in Information and Communication Technologies (ICCTICT), New Delhi, 2016, pp. 85-89.

**Mansi Peer**, N. Jain and V. A. Bohara, "A hybrid spectrum sharing protocol for energy harvesting wireless sensor nodes," IEEE 17th International Workshop on Signal Processing Advances in Wireless Communications (SPAWC), Edinburgh, United Kingdom, 2016, pp. 1-6.

**Mansi Peer**, and Vivek A. Bohara, "Spectrum and Energy Harvesting Protocols for Wireless Sensor Nodes," accepted as book chapter in Wireless Energy Harvesting for Future Wireless Communications, to be published by Springer-Verlag New York, USA.

Lerman, K., **Megha Arora**, Gallegos, L., Kumaraguru, P., and Garcia, D. Emotions, Demographics and Sociability in Online Interactions, International AAAI Conference on Web and Social Media (ICWSM), 2016.

Andrey Bogdanov, Donghoon Chang, **Mohona Ghosh**, and Somitra Kumar Sanadhya. "Bicliques with Minimal Data and Time Complexity for AES." In Proceedings of Information Security and Cryptology-ICISC 2014: 17th International Conference, Seoul, South Korea, December 3-5, 2014, Revised Selected Papers, vol. 8949, p. 160. Springer, 2015.

Agrawal, Megha, Donghoon Chang, **Mohona Ghosh**, and Somitra Kumar Sanadhya. "Collision attack on 4-branch, type-2 GFN based hash functions using sliced biclique cryptanalysis technique." In Proceedings of International Conference on Information Security and Cryptology, pp. 343-360. Springer International Publishing, 2014.

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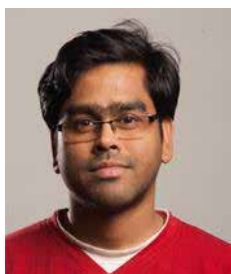
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# Convocation

## Chief Guest for previous Convocations

- |     |                    |  |
|-----|--------------------|--|
| 1st | November 3, 2012,  | Mr. N. R. Narayana Murthy, Founder, Infosys Limited                |
| 2nd | August 25, 2013,   | Prof. Dinesh Singh, Vice-Chancellor, University of Delhi           |
| 3rd | August 31, 2014,   | Mr. Sunil Kant Munjal, Joint Managing Director, Hero MotoCorp Ltd. |
| 4th | September 4, 2015, | Ms. Aruna Jayanthi, CEO, Capgemini India                           |





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## *Oath*

I hereby pledge that it shall be my constant endeavor:

to be scrupulously honest in the discharge of my duties as Engineer and Scientist;

to uphold the dignity of the individual and the integrity of the profession;

to utilize my knowledge of Technology and Science for the glory of the Institute

and in the service of the country and mankind at large.

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**INDRAPRASTHA INSTITUTE OF INFORMATION TECHNOLOGY DELHI**

Okhla Industrial Estate, Phase-III, (Nr. Govindpuri Metro Station), New Delhi - 110020

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