



Welcome

IIIT-Delhi is proud to welcome all attendees to its Third 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.*

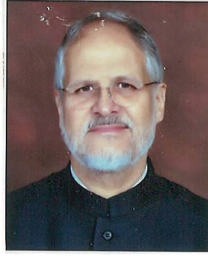
The vision of IIIT Delhi is to be an institute of higher education in IT and allied areas, which is globally respected for research and education, has thriving UG and PG programs, and which is socially relevant, industry-involved and globally linked.

Minute to Minute Program

- 09:30 a.m. : Arrival of the Chief Guest, Shri S.K. Munjal, received by the Chairman, Board of Governors & Director.
: Introduction of Senators/Faculty Members to Shri S.K Munjal
: Supply of robes to Shri S.K Munjal , Chairman & Director (Director's Office)
- 09:50 a.m. : Academic Procession proceeds to the Convocation Hall.
- 09:55 a.m. : Convocation Song
: Director requests the Chairman, Board of Governors to declare the Convocation open
: Convocation is declared open by the Chairman, Board of Governors.
- 10:00 a.m. : Director's Report.
- 10:15 a.m. : Address by the Chairman, Board of Governors and introduction of Shri S.K Munjal.
- 10:30 a.m. : Convocation Address by Shri S.K Munjal
- 11:00 a.m. : Award of Degrees by the Director, starting with Ph.D. Degrees
: Presentation of Medals by the Chairman, Board of Governors
: Chairman, Board of Governors signs the scroll of Award of Degrees
: Oath taking by the Recipients of Degrees
- 11:10 a.m. : National Anthem
: Academic Procession departs
- 11:15 a.m. : Assembling of M.Tech. students and their parents in the Convocation Hall (C-01)
- 11:30 a.m. : Award ceremony resumes with the award of M.Tech. degrees by the Director
- 12:00 noon : Assembling of B.Tech. students and their parents in the Convocation Hall (C-01)
- 12:15 p.m. : Award of B.Tech. degrees by the Director
- 12:45 p.m. : Director requests the Chairman, Board of Governors to declare the Convocation closed
: Convocation is declared closed by the Chairman, Board of Governors
- 1:00 p.m. : Program ends followed by group photograph and lunch.

Message from the Chancellor

उपराज्यपाल
दिल्ली
LIEUTENANT GOVERNOR
DELHI



राज निवास
दिल्ली-११००५४
RAJ NIWAS
DELHI-110054

August 11, 2014

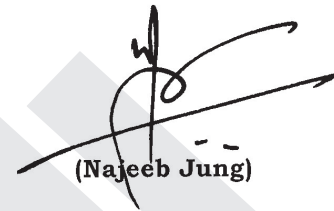
CHANCELLOR'S MESSAGE

Indraprastha Institute of Information Technology Delhi, established under the aegis of the Delhi Government in 2008, is surging ahead to realize its goal of becoming one of the leading Institutes in Information Technology and in allied areas.

The industry-oriented and research-focused education offered at the Institute has been instrumental in producing well trained professionals and researchers in the field of IT. I am happy to note that they are engaged in contributing to the growth of the ever-changing field of Information Technology and related areas.

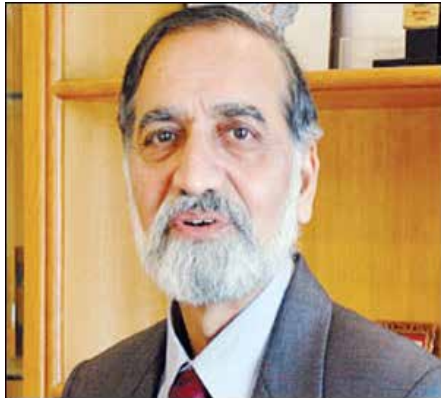
On the occasion of the Third Convocation of the Indraprastha Institute of Information Technology, I congratulate the outgoing batch of students and wish them success in their careers and life. I also congratulate the teachers and staff of the Institute on this occasion.

It is my hope that the Indraprastha Institute of Information Technology will continue to strive hard and make significant contribution to our efforts to turn the National Capital into a Knowledge Hub in the new millennium.



(Najeeb Jung)

Message from the Chairman, Board of Governors



Kiran Karnik

MESSAGE

In any institution, Convocation is a special day – a time of celebration, excitement as also emotions. For the graduating students, it is a major milestone in your academic journey. You have come a long way, demonstrating a great deal of hard work and commitment to reach a stage where you are now ready to face the challenges ahead. Having been groomed by the best of faculty, IIITD graduates have much to offer to the industry and society at large – both in India and abroad.

Though it is the third time that I'm participating in the Convocation of this institute, I always find this ceremony extremely satisfying when I see the joy and hope on the faces of graduates. Not only does this occasion recognize your academic success, it also offers you an opportunity to acknowledge all the support and guidance you have received from your professors, this institute's staff members and your friends and family.

As you embark on a new journey (some as professionals, some others as aspirants for higher studies), you have become valued members of our vibrant IIIT-D community as its alumni, and I urge you to keep contributing to this extraordinary community in whatever way possible. I'm sure the knowledge and skills you have acquired here will take you places and bolster the reputation of our institute. It is my strong belief that the values and behaviour which you picked up here will stand you in good stead, both professionally and personally.

Under the visionary leadership of the Director, IIIT-D's faculty and staff have worked hard to help make the institute among the best in the country offering education in IT and allied areas. I also take this opportunity to thank our Chancellor – Lt. Governor of Delhi – for all the help and support being extended to IIITD.

While the Director will tell us more about the achievements of the Institute last year, I would like to highlight a few key developments.

The government has approved our proposal for the Phase-II construction, covering 60,000 sqm of building space, which would cater to the requirements of 2,500 students and 125 faculty members.

This is the year in which we have graduated our first two Ph.D. students. This is a major milestone, particularly since the Institute is research focused.

I am also happy that this year we have our first startups – very important again for any Institute in technology aspiring to be at the top. This is indicative of our efforts to encourage entrepreneurship.

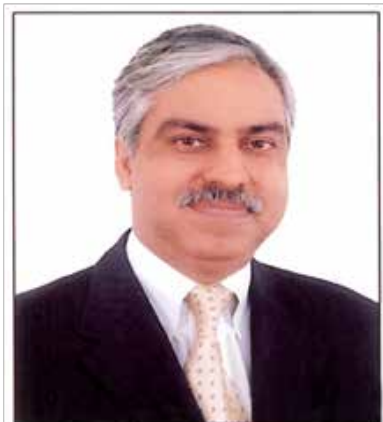
Meanwhile, the job scenario is changing. Apart from IT skills, companies are now looking for persons with domain knowledge in an area of interest to them. The better – and high-value – jobs that you aspire for are now at the intersection of IT and a domain area.

As you prepare to step out into the world, do keep in mind that a true professional is one who has knowledge, but also the ability to learn new things; he or she is also one who demonstrates full integrity in what s/he does: intellectual, as well as on values. One other thing: do keep in mind what the institute has given you, and do seek to “give back”, both to the institute and society.

In the end, I congratulate the graduating students – as also their parents and guardians – on this joyous occasion, and wish them the very best for their future endeavours. We hope that we’ll forge a connection that will bring you back here from time to time as alumni, potential faculty and recruiters, but most of all, as invaluable friends of IIIT-D.

Kiran Karnik
Chairman, Board of Governors

The Chief Guest



Sh. Sunil Kant Munjal

Joint Managing Director of Hero MotoCorp Ltd,
Chairman of Hero Corporate Service Ltd.,
Founder Chairman of BML Educorp Services

Sh. Sunil Kant Munjal is a senior member of the ~\$ 5.6 billion Hero Group and is responsible for developing growth strategy and implementation of new business plans for the Group. He was selected by 'India Today' – India's largest English news magazine, as one of the "Faces of the Millennium" for business. He has received GlobScot Award from the Scottish Government in Sept., 2012. His name has been inscribed on The Royal Society of Medicine's Wall of Honour at London in recognition of his contribution in Affordable Healthcare as President of DMCH, Ludhiana in February, 2013.

Management responsibilities: He is the Joint Managing Director of Hero MotoCorp Ltd., the world's largest motorcycle manufacturing company, and Chairman of Hero Corporate Service Ltd., the Corporate office for the Hero Group. He is responsible for chartering the course for entire Group's development, including strategy, plans and performance. Sh. Munjal is the Founder Chairman of BML Educorp Services and is the guiding force behind the BML Munjal University and is playing a key role in helping create a unique Higher Education Initiative. BML Munjal University has started enrolling students from this year.

Board level responsibilities: Sh. Munjal sits on the boards of a large number of Hero Group companies. In addition, he is on the boards of DCM Shriram Consolidated, a multi-product conglomerate with interests in sugar, chemicals and fertilizers, the Coca Cola India Advisory Board and the Bharti Foundation, the social service arm of Airtel, India's largest private sector telecom company. He is on the boards of the Indian School of Business at Hyderabad and Mohali. Sh. Munjal is a Member of the Board of Governors of IIT Ropar in Punjab. He also serves on the President's Council at the University of Tokyo, one of the oldest and most revered institutions in Japan. He has been appointed as Chairman of the Board of Governors of Punjab Technical University, Jalandhar, by the Punjab Govt. in October, 2012. He is also a Member of the Advisory Board of the UK India Business Council.

In the past, Sh. Munjal has been on the boards of India's largest life insurance company, Life Insurance Corporation of India Ltd, and PNB Gilts Ltd, India's only listed gilt trading company.

Industry responsibilities: Sh. Munjal was President of Confederation of Indian Industry (CII), India's premier business association, for the year 2004-05. He continues to be actively involved in

Confederation's various programs at strategic and intellectual levels, and heads the national council for economic policy.

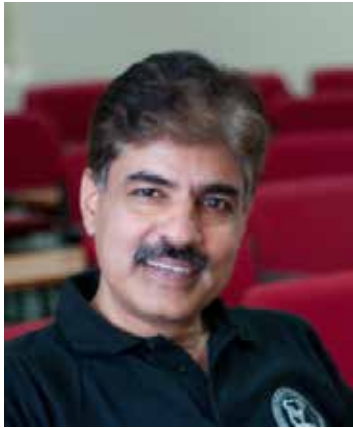
Policy responsibilities: Sh. Munjal has made significant contributions to the economic reform process in India. He is currently a member of Prime Minister's Council on Trade & Industry that regularly interacts with the Indian Prime Minister on economic issues. Sh. Munjal has also been involved in the preparation of a number of socio-economic reports in the areas of skill development, vocational training, CSR and tribal development.

Previous assignments: Sh. Munjal has been a member of the Narasimham Committee that was set up in the 1990s to chart a course for banking and financial sector reforms in India. He was also part of a committee set up by India's central bank, the Reserve Bank of India, to study the role of directors in Indian banks and financial institutions. At the Central Government, he was a member of the Taskforce on Indirect Taxes (Kelkar Committee). He also chaired the Study Group on Skill Development, Training and Workers' Education constituted under the Second National Commission on Labour Reforms. He was also a member of the Northern Regional Advisory Committee of The Industrial Development Bank of India. He has also been a member of the consultative groups on industry and external sector set up by the Planning Commission. Besides these roles, Sh. Munjal has been involved in Track II Diplomacy initiatives with a number of countries.

Social Responsibilities: Sh. Munjal is the President of the Dayanand Medical College and Hospital, Ludhiana (one of North India's largest hospital-cum-medical colleges). He is also the President of the Ludhiana Sanskritik Samagam, an organization that promotes performing arts across North India.

Sh. Munjal is married and has a daughter, who is also involved in the Group business.

Director's Address



On the occasion of the 3rd convocation, I am pleased to share with you some highlights of the academic year 2013-14.

Since its creation in 2008 through an act of Delhi Government empowering it to do research and grant degrees, in six short years IIIT-Delhi has come a long way. We currently have over 1000 students in our B.Tech, M.Tech, and PhD programs, and continue to attract high quality faculty – the single biggest challenge in academia in India. Our regular faculty strength has now crossed 40, all holding PhDs from prestigious institutions from across the world, mostly from the US and Europe.

Research remains the key focus of the institute. Our faculty members and students have published over 100 papers in international journals and conference proceedings this year. Some of the papers have received Best Paper and Poster awards in prestigious National and International conferences. Many of our PhD students have been selected for prestigious research grants and fellowships such as the Prime Minister's Fellowship, IBM Fellowship, and TCS Fellowship. Four of our young faculty members are the proud recipients of the DST's Inspire fellowship, while another one has been honored with Adobe's Excellence in Research Award. This year 17 research proposals from our faculty were approved for funding by various agencies for a total commitment of over Rs. 3 crores.

In our R&D efforts, we remain committed to developing technologies that can be transferred for commercial exploitation or use by other organizations. This year over two dozen tools and technologies were transferred to over ten organizations. Three start-ups based on technologies and tools developed at IIIT-Delhi have emerged – one in the area of energy management, one in education, and one in social networking .

This year we achieved a major milestone. We awarded our first two PhDs to Kuldeep and Himanshu Bhatt, thus graduating students in all three higher education degrees – Bachelor's, Master's and Doctorate in a short span of six years. Both received good reviews for their thesis, from the examiners who include some international experts. During the PhD, Kuldeep was awarded the prestigious Microsoft PhD fellowship, which is given to only five students every year in India, and Himanshu received the coveted IBM PhD fellowship. Both are now working in Xerox research.

To consolidate our research and make stronger impact in targeted areas, our vision is to start research centers in focused areas. In January 2014, we opened our first Centre of Excellence in cyber security, aimed at imparting high-level education, technical training and research in this critical area which will help various stakeholders like the government, industry and general public. The center was inaugurated in January by Dr Gulshan Rai, Director General of CERT-In (Computer Emergency Response Team-India).

While our faculty members collaborate with colleagues across the world, we have also initiated some formal international collaboration. We have started a joint PhD program with Australia's Queensland University of Technology (QUT), signed a Memorandum of Understanding with University of Nebraska-Lincoln (UNL) to facilitate academic collaboration between the two institutions, and inked a pact with the Graduate School of Information Security (GSIS), Korea University, Seoul for joint projects, joint supervision of doctoral students, organizing joint academic and scientific activities etc.

The Phase I of the permanent campus of IIIT-D became operational in August 2012, with over 30,000 sqm of space, sufficient for about 1000 students and 50 faculty. The proposal for Phase-II of the construction has been approved by the Delhi government, which will add another 60,000 sqm of building space to cater to a total of 2,500 students and 125 faculty members. We continue to focus on effective resource utilization and have installed smart electricity meters which show energy usage in a dashboard. Other measures are also been taken for more efficient use of energy and water resources.

After the successful placement of the first two batches, the just graduated batches continued the tradition of strong performance in placement. In a short span, institute is proud to attract companies like Google, Microsoft, Xerox Research, Amazon, Adobe, EMC, etc. Some international companies have also recruited from IIIT-Delhi. By most measures for placement– highest domestic salary offered, the highest overseas package offered, percentage of students placed, mean and median offers – we compare favourably with the top institutions in the country. Almost 10% of the graduating BTech batch got fellowships for higher studies in top institutions in the world – a very fine record.

Overall, we have had a very good year, and are well on our path of becoming a globally respected institute. Though many challenges remain, we are confident of addressing them in the coming years with the support of students, faculty, administration, and other well wishers.

Background about the Establishment of the Institute

The Beginning of IIIT Delhi

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 10th June, 2008 as per the notification in the Delhi Gazette. First class for B.Tech. (CSE) students was held on 8th September, 2008.

The institute began with its first batch of 60 B.Tech. students in 2008. Since then, it has come a long way with over 40 faculty members specializing in diverse areas of Computer Science and Electronics and Communications, and over 900 students with about 619 B. Tech students, more than 195 M. Tech. students, and about 86 Ph.D. students. In a relatively short time, it has earned a good reputation in India and abroad for being a center of quality education and research in IT and allied areas.

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

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



Girls' Hostel



Boys' Hostel

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 slopy terrain. At present, the Campus with a covered area of 32,500 sqm consists of the following facilities:

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

The entire Campus area is divided into mutually interactive yet separate zones namely the residential areas for faculty, academic areas and the student residential areas connected through pathways with vehicular entry restricted to the peripheries only.

There is a single Ground +11 storied faculty residential block with 27 apartments and 1 guest house, 1 community event flat and small visiting faculty flats and terrace garden, with parking facility.

The academic zone comprises separate blocks for a Library cum Information Centre, a Lecture hall and a Research & Development unit which houses research labs, faculty cabins and rooms for administrative and academic heads with their supporting staff.

The student residential zone comprises separate blocks for the boys hostel with 372 seats and girls' hostel with 164 seats, and a Dining block with cafeteria and mess, student activity areas, a fully

equipped gymnasium and music and art rooms.

All the above areas except the faculty residences are served by the district cooling air-conditioning system -- which is cooled on selective basis during day/night /peak demand settings -- housed in the service block. Use of VFD/VAV controlled systems, heat recovery wheel, temperature-based sensors with BMS controls run air-conditioning efficiently.

The building envelopes are made efficient to insulate from heat using dry cladding in external finishes and double unit toughened glass of specified thermal resistivity and transmission values in academic areas and AAC blocks in place of regular brickwork in masonry in residential areas and hostels. Use of natural material and minimum use of high energy consuming materials is aimed towards creating a green building.

The electrical system on 11KVA supply is provided with a partial load backup from 2x500KVA DG sets.

The entire waste water generated in the campus is recycled using 2x65 kld STP and water so generated is used for horticulture, flushing and air-conditioning works. The solid waste management is carried out through an NGO for ensuring proper disposal. The rain water is harvested in rain water harvesting pits.

The entire area is protected by fire alarm and fire-fighting equipment such as wet risers/sprinklers and latest smoke management systems.

The entire rock excavated from the areas is broken down and mostly utilized in external development works. Utilization of energy saving lighting systems such as CFLs and T5 fixtures and use of non-conventional energy through solar hot water systems with PNG backup reduces power consumption considerably.

The sports arena has well-lit basket ball court with a 5-layer synthetic coating, and 2 concrete courts for tennis. Separate courts for badminton for boys and girls hostels, multipurpose sports field, volley ball courts and running tracks are also available.

The current campus can provide accommodation to about 500 students and 23 faculty members. Its office space is adequate to house 48 faculty members. The lecture hall and lab space can accommodate up to 1,000 students.

The present campus is maintained by dedicated teams for facility management and security operations.



Dining Block

Phase II Construction

The IIITD campus that is spread out over the slopy terrain in Okhla phase-III has been planned to be constructed in three phases. The proposal for Phase-II for construction of another 60,000 sqm of building space to cater to the requirements of 2,500 students and 125 faculty members has received the approval of the Government of the National Capital Territory of Delhi. The Architects have been appointed for the purpose and plans submitted to local authorities for approval. The Project Management Consultants are also being hired, and the on-site construction would commence soon after we get all the clearances. The construction of the core academic area is expected to be completed and put to use in the academic session of 2016.

Media Mention

Our Institute's key developments made it to the media extensively, with its events like Research Showcase, ESYA, Convocation and international workshop getting covered by various news outlets, along with articles on the innovative and interesting research work being carried out by its dedicated and focused faculty and equally talented students. Some of the prominent media organizations which have taken note of our achievements are The Times of India, The Hindustan Times, The Economic Times, Press Trust of India (PTI), Indo-Asian News Service (IANS) and Business Standard. Following is the list of some stories on IIITD that appeared in media since August last year:

- IIITD's third annual tech fest 'ESYA', held on August 16, 2013, brought together talented students from across the country and helped create opportunities for collaborations among scholars and industry guidance to materialize innovative concepts.
<http://www.deccanherald.com/content/352012/recreation-technical-minds.html>
http://www.business-standard.com/article/pti-stories/tech-fest-starts-113081600774_1.html
- Delhi University VC Dinesh Singh was the Chief Guest at the IIITD's second convocation held on August 25, 2013. In his address, he told the students that education is a long journey to discover your inner self and cited examples of megastar Amitabh Bachchan and cricket legend Sunil Gavaskar who pursued their respective goals relentlessly.
[http://www.thehindu.com/todays-paper/tp-national/tp-newdelhi/inculcate-integrity-and-](http://www.thehindu.com/todays-paper/tp-national/tp-newdelhi/inculcate-integrity-and-discipline-delhi-varsity-vc/article5060186.ece)

<http://timesofindia.indiatimes.com/home/education/news/Inculcate-integrity-and-discipline-Delhi-University-VC/articleshow/22053090.cms>

http://www.business-standard.com/article/pti-stories/du-vc-asks-students-to-pay-back-to-society-113082500299_1.html

<http://www.newstrackindia.com/newsdetails/2013/08/25/201--Inculcate-integrity-and-discipline-Delhi-varsity-VC.html>

http://www.ptinews.com/news/3921025_DU-VC-asks-students-to-pay-back-to-society

- Dhrumil Patel of the BJP and Kavita Krishnan of CPI-(ML) have been most active on the microblogging site between July 16 and October 16, 2013, according to a study by Precog at IIITD.
<http://www.dnaindia.com/india/report-which-neta-tweets-the-most-no-its-not-narendra-modi-1907871>
- Amid increasing threats faced by cyber security across the world, IIIT-D has opened in January 2014 its first Centre of Excellence in this critical area, which will involve high-level education, technical training and research with an aim to help various stakeholders like the government, industry and general public.
http://zeenews.india.com/news/net-news/cyber-education-needed-to-tackle-threats_906330.html
http://www.business-standard.com/article/news-ians/cyber-education-needed-to-tackle-threats-114012301109_1.html
<http://www.thehindubusinessline.com/news/govt-industry-to-spend-about-rs-500-cr-on-cyber-training/article5610115.ece>

- IIITD Director, Prof Pankaj Jalote was interviewed by the Hindustan (the Hindi edition of the Hindustan Times). In this interview of March 2014, he favours joint counselling for students seeking admission in various engineering colleges in Delhi.



- Scholarly work of engineering students in the field of Information Technology, which could also be directly applied in areas of public interests like healthcare, energy conservation and online social networks, etc, was put on display at the fourth annual Research Showcase of the IIITD on April 11-12, 2014.
 - http://www.business-standard.com/article/pti-stories/iiit-d-puts-up-students-research-work-on-display-114041300528_1.html
 - <http://timesofindia.indiatimes.com/home/education/news/Indraprastha-Institute-of-Information-Technology-Delhi-exhibits-students-research-work/articleshow/33708947.cms>
 - http://www.ptinews.com/news/4605538_IIIT-D-puts-up-students--research-work-on-display.html

- For the first time, three engineering institutes in Delhi set up by the State Government, including IIITD, are offering admission to their B.Tech. programmes through joint counselling, a move that will help eligible students to apply in these colleges by filling a single online form.

<http://www.firstpost.com/fwire/joint-b-tech-admission-counselling-by-three-delhi-engineering-colleges-1568497.html>

<http://timesofindia.indiatimes.com/home/education/news/Joint-online-counselling/articleshow/35924060.cms>

- Innovate Delhi, a three-week intensive programme funded by the prestigious Stanford GSB SEED Institute of the US and Delhi government's Indraprastha Institute of Information Technology (IIITD), worked with aspiring entrepreneurs to hone their skills in innovation, team-building, and strategy.

http://www.business-standard.com/article/pti-stories/workshop-for-young-entrepreneurs-on-in-city-114061400848_1.html

<http://www.ptinews.com/news/4816719>

[Workshop-for-young-entrepreneurs-on-in-city.html](http://www.ptinews.com/news/4816719-Workshop-for-young-entrepreneurs-on-in-city.html)

- Overall, the Institute continues to perform well with good quality faculty and students, and strong UG and PG programs. It is making all-out efforts and succeeding in realising its vision of becoming a globally respected institution.

Computing and Networking Facilities

IIITD has world class, campus-wide state of the art information technology tools that are designed to meet the computing and communication needs of the institute, which has a fast, reliable and rugged computer network of more than 500 Nodes. The institute has more than 100 laptops issued to its faculty, staff and students. To provide printing and other facilities, the institute has 91 printers and scanners. In order to facilitate proper teaching aid, all classrooms here are equipped with projectors and audio systems. All the hostels, faculty blocks, administrative block, library, classrooms and residences, are connected through redundant 10 gigabit fiber backbone network. All the blocks are connected through layer 2 & 3 switches to provide 1Gbps connectivity at the user end. Every hostel room has a dedicated LAN connection to provide round the clock access to resources on the net. Wireless network with 92 access points is also enabled in the faculty block, library, classrooms and hostel blocks.

Internet Access: Through a 1 Gbps Internet leased line from NKN with a backup connection of 100 Mbps running in failover mode. Internet connection range is provided through both Lan and Wi-Fi in all blocks inclusive of residences, academic, dining, library and hostels.

Data Centre: IIITD has a full-fledged data centre of its own. It hosts 40 Servers and network unified storage of 45.3TB. The data centre is powered by redundant UPS backup to ensure maximum uptime. All servers are connected to Internet by public IPs

Telephony: Our entire Campus is equipped with IP telephony. It has 115 IP phones and more than 100 analog phones. **IP Address and IPv6:** The institute has its own /24 public IPV4 and /48

IPv6 address block. It has taken an initiative to transform itself into an IPV6-enabled Campus.

Software: The institute mainly focuses on usage of free operating system like Ubuntu etc. But keeping in view its requirements, the institute also has licenses for Microsoft Windows, RHEL, Microsoft Office. Its also has licenses for specialized software like matlab, synopsis tools, cadence, mentor graphics etc.

Video Conferencing: Polycom HDX7000 VC System is available with optional ISDN line & also connected with Internet.

Cisco WebEx: We have single session 25 users Cisco WebEx web conferencing facility.

VPN: It can be used to access all IIITD IT resources from outside campus using any Internet connection.

UPS: We have 3 x 100KVA (Configured in N+1 in redundant mode) and 20 KVA (Dedicated) UPS powering the critical IT infrastructure.

ERP: IIITD provides Academic ERP to students and faculty. For students, ERP provides the facility to register for courses, add-drop courses and view grades. For faculty, it provides the facility to view the courses they are offering, view list of students enrolled in the courses and enter grades. The ERP portal can be accessed at <https://erp.iiitd.edu.in>

Tape Library Backup Solution: The institute Data Centre has an LTO 6 Tape Backup solution deployed for taking onsite and offsite backup of critical data. It consists of a DELL Power Vault TL 2000 Tape Library and a Backup Server. Presently we have one Read-Write Tape Drive with 24 slots in our TL2000 Tape Library. The Tape Library is

directly connected to SAN and provides direct backup from SAN storage, besides allowing us to make any server disk to tape backup through the backup server.

HPC: The primary mission of the **High Performance Computing Facility (HPCF)** is the delivery and support of an HPC resource to be used by IIITD faculty members, research scholars and students. Our HPC system comprises of a modular Blade Chassis with 4 blades populated at present. A separate rack server for GPU processing with Nvidia Tesla K20 GPU card of 2496 Cuda cores has also been installed. All servers are connected using 10G interconnect and are also connected to SAN storage. The entire HPC setup currently has 92 CPU Cores and 441 GB RAM with a theoretical TFLOP rating of 1.79. It is a highly scalable setup and is targeted to reach around 1000 cores in near future.

Data Centre



Library Facilities

The Library and Information Center of the Institute is housed in a separate building in its Campus. It is an information hub catering to the requirements of its users comprising Students, Ph.D./Research Scholars, Faculty and Staff members. It supports the teaching, learning and research activities of the Institute. The Library is fully automated using RFID Technology with EM Security System.

The Library is enriched with a huge collection of print and electronic resources in the areas of Computer Science, Electronics and Communications, Mathematics and Statistics, Humanities and Social Sciences, Sciences, etc. It subscribes renowned e-resources such as ACM

Digital Library, Economic & Political Weekly, Elsevier Science Direct, IEEE/IET Electronic Library, JSTOR, Now Publishers F&T, SIAM, Springer, T&F, Wiley-Blackwell online Journals, and Lecture Notes in Computer Science. It also offers 24x7 Open Reading Room with high speed Wi-fi Internet connectivity, Bibliographic Service, Circulation Service, Current Awareness Service, Institute's Archive, Inter-Library Loan and Document Delivery Service, Online Catalog Service, Online Book Reservation, Scanning Service, Reference Service, Book Exhibition/ Display, etc.



At IIITD, most of the time of students goes in academics as it is hard and requires focused effort. In spite of that, there are many facilities and clubs to grow in various ways.

Students take part in a number of social and cultural activities. If they want to pursue a hobby, they just need to find some like-minded people to start their own club. These clubs not only hone their leadership skills but also help instill team spirit in them. Several student clubs in the institute enable them to enhance their talent in areas beyond academics.

Some of the clubs already in existence at IIIT Delhi are Quiz Club- Trivialis, Web Design and Development Club-WDD Club, Dance Club- MadToes, Robotrix, Design Club, Ethical Hacking Club, Literary Club and Audio Bytes-the Music Club. These clubs enable students to come together, share knowledge and mentor those looking to break into the field.

Throughout the year, the campus is abuzz with activities. 'ESYA' tech fest is one of the biggest events on the campus which is organized annually, while 'Odyssey' is the cultural fest of the institute. In addition to these, a Research Showcase (poster presentation) is organised every year.

Students can also suggest books for the library, organize a blood donation campaign, an adventure trip during summer holidays or purchase a new instrument for the music room. The Entrepreneurship Cell at IIIT Delhi nurtures all the budding entrepreneurs and supports them to take the next step.

Students are also encouraged to help the society in some way or the other. Almost every student is

involved with various NGOs all over the country. The institute also has its own home-grown NGO of students called 'Find A Way', which is helping the children in need.

IIITD students also participated in several tournaments in Delhi and outside Delhi. They were participants in the LSR invitational tournament from 25-27 October, 2013 and emerged winner of the team trophy in Lawn Tennis. Our students also took part in Twaran Sports Fest at Gwalior & achieved positions in almost all sports. Our basketball boys' team came out as winner, while we were runners up in Tennis, girls' Volleyball and in football, besides claiming four medals in athletics. In addition, IIITD participated for the first time in the Sports fest organized by NSIT Dwarka in March 2014.

The institute has been regularly organizing various sports events like football tournament Joga Bonito, Table Tennis and Pool tournaments. Every year a group of students from IIIT Delhi takes part in Delhi Half Marathon running for a cause.

In order to engage maximum number of students in sports, the first IIIT-D intramural was organized from 6-13 March 2014 in which a total of 246 students participated in different sports. A significant initiative from student's side was the inter-IIITD football tournament known as 'Joga Benato', which was organized by the sports coordinator with the participation of 32 teams.

There were many occasions when IIITD invited other college teams for friendly/practice matches, including those from G.B. Pant Engineering College, College of Vocational Studies, Kirorimal, etc.

Current Academic Programs, student intake, and total student strength is shown in the table below.

Sl. No	Particulars	Admitted in 2014	Existing	Total Strength
1	B. Tech.	172	447	619
2	M. Tech.	94	101	195
3	Ph. d.	20	66	86

The objective of the **B.Tech program** is to prepare students to undertake careers involving innovation and problem solving using information technologies, or to undertake advanced studies for research careers. In order to achieve this objective, the curriculum covers most of the foundational aspects of computing sciences, develops the engineering skills for problem solving, builds strong communication skills, and provides a broad perspective. Some of the highlights of the program are:

- **Engineering first, Sciences Later.** Most engineering programs start with general courses in Sciences, and then migrate to specialized courses for the disciplines. As most of these course are not foundational for Computing/ECE, the BTech program at IIIT-Delhi starts with computing and hardware oriented courses first, and allows the possibility of doing science courses later. Besides being better suited for a CSE/ECE program, it enables the possibility of students seeing newer applications and possibilities of using computing in these subjects.
- **Common first year program for CSE and ECE.** The first year program is common for both CSE and ECE allowing students to explore both areas and decide which one is more suitable. The common program has

courses on Software, Hardware, Mathematics, and Engineering Design.

- **Strong Foundations followed by electives.** The first half of the program focuses on building the foundation, and is highly structured. The second part is for developing the skills and knowledge of the students in various topics – computing and application domains. This part also provides limited specializations, and students may follow different paths and take different set of courses in it.
- **Building strong communication skills through a communications stream.** World over studies have indicated that engineers are often weak in communications skills. In the BTech program there is a strong emphasis on strengthening communication skills with a Communications stream consisting the courses namely Communications Skills, Critical Reading, Technical Communication
- **Specialization Streams.** Students can do a series of three courses in some areas to gain limited specializations. Areas for specialization include: Image Processing and Machine Intelligence, Data Analytics, Mobile Computing, Security and Privacy, Computational Biology, Wireless, VLSI, etc.
- **Project and Research focus.** Most advanced

courses have course projects. In addition, there is a student “Independent Project” or “Independent Study” or “Undergraduate Research” course. A student can also do a BTech project in 3rd &/or 4th year.

- **Math and Engineering Science Streams:** There are two core math courses: Advanced Calculus and Probability and Statistics. In addition, students do two Engineering Science courses like Digital Communications, Transducers, Signals and Systems, Earth Sciences, or two more Math courses.
- **Humanities and Social Sciences:** To broaden their understanding of the world around and their understanding, students have to do at least 12 credits of Humanities and Social Sciences Courses. Topics include: Technology and Society, Psychology, Perspectives of Knowledge,
- **Broader Connect with Society and Self.** Students have to do 2 credits of Community Work and 2 credits of Self Development each. Students can also do a “Domain Study” course for credit in which they can study a domain in depth over a summer.
- **Honors Program.** For students capable of handling more challenges, there is a provision of honors program. Only students with some CGPA can opt for it, and they have to do extra courses and projects.
- **Minor Option.** An option for minor has also been provided. (The details are being worked out for implementation)

For the **M.Tech programs**, IIT-Delhi subscribes to the view that a Masters degree is primarily industry-focused, though it can be used as a stepping stone for research as well.

And the decision whether the degree is to be pursued for skill and knowledge upgradation or also for building research skills should rest with the student. With this objective, the M.Tech program allows students to develop high-end engineering skills through advanced courses and specialization streams, and also provides options for doing research. Some highlights of the program are:

- **Credit based program.** Like many of the universities in the US, our M.Tech program is credit-based (and not duration-based) – a student has to earn some credits to complete the degree. This allows students some flexibility, depending on their interests and capability.
- **Specializations within CSE or ECE:** The Institute also feels that to address the needs of the industry, which today requires more specialized manpower as each field is getting more complex, it is desirable to provide specializations within CSE or ECE in the M.Tech program. For this, the Institute permits a student to get a specialization by earning certain number of credits in that area and do his/her thesis or scholarly paper in it. Currently the specializations being offered are:
 - **Information Security Specialization (CSE)**
 - **Data Engineering Specialization (CSE)**
 - **Mobile Computing Specialization (CSE)**
 - **VLSI and Embedded Systems (ECE)**
 - **Communication and Signal Processing (ECE)**
- **Option for Thesis or Scholarly Paper:** M. Tech(CSE) may be done with a thesis, or without a thesis but with a scholarly paper. In both options, students have to do certain amount of course work. In addition, students doing M.Tech with thesis will have to do a thesis. Students in without thesis option have

to do additional courses, and instead of a thesis will have to do a scholarly paper. The course requirement for scholarly paper option is higher.

- **A Small Core:** Within the course work requirement, each MTech student has to earn 12 to 16 credits from core courses. The goal of this is to ensure that foundations in basic areas are further strengthened.
- **Project Focus:** Most PF courses have group course projects in them. Independent Study, or Minor Project can also be taken. This is in addition to Thesis/Scholarly paper.
- **Flexible Internships:** Internships are not mandatory, but students are encouraged to

do them. The credit-based system allows for flexibility to students to do internships for summer or summer plus a semester. Many students and companies prefer the latter option.

The Ph.D. program is, as it is in most of the top universities of the world, focused around a research thesis. There is a moderate course requirement (of about 8 courses), followed by the thesis. Ph.D. students are required to make a yearly presentation, and submit a yearly progress report. Thesis review requires external examiners. This is the year in which we have graduated our first two Ph.D. students.

Award of Degrees, Medals and Prizes

Doctor of Philosophy(CSE) (List of Graduating Students)

Sl. No.	Roll No.	Name	Graduation Date
1	PhD0906	Kuldeep	21-May-14
2	PhD0904	Himanshu Sharad Bhatt	21-May-14

Master of Technology, CSE (List of Graduating Students)

Sl. No.	Roll No.	Name	With Thesis	Specialisation	Graduation Date
1	MT12001	Aakarsha Agarwal	No	IS	21-May-14
2	MT12002	Abhishek Kumar	-	Expected to graduate on 21 December, 2014	
3	MT12003	Adarsh Agarwal	No	IS	21-May-14
4	MT12004	Aritra Dhar	-	Expected to graduate on 21 December, 2014	
5	MT12005	Himanshu Gupta	No	IS	21-May-14
6	MT12006	Karishma Chug	No	MC	21-May-14
7	MT12007	Muhammed Noufal K	-	Expected to graduate on 21 December, 2014	
8	MT12008	Narayana Reddy Y	No	IS	21-May-14
9	MT12009	Neha Gupta	Yes	IS	21-May-14
10	MT12010	Nikita Jain	No	IS	21-May-14
11	MT12011	Nipun Bansal	No	IS	21-Aug-14
12	MT12012	Nisha Aggarwal	Yes	IS	21-May-14
13	MT12013	Nishant Sharma	Yes	IS	21-May-14
14	MT12014	Parikshit Maini	Yes	Gen	21-Aug-14
15	MT12015	Prateek Sharma	No	IS	21-May-14
16	MT12016	Rashi Garg	No	IS	21-May-14
17	MT12017	Rohit Jain	-	Expected to graduate on 21 December, 2014	
18	MT12018	Sandipan Biswas	Yes	IS	21-May-14
19	MT12019	Shaifali Gupta	No	IS	21-May-14
20	MT12020	Siddharth Dawar	Yes	IS	21-Aug-14
21	MT12021	Vishesh Narwal	-	Expected to graduate on 21 December, 2014	
22	MT12030	Aayushee Gupta	Yes	DE	21-Aug-14
23	MT12031	Abhishek Bhola	Yes	DE	21-Aug-14
24	MT12032	Akanksha Gupta	-	Expected to graduate on 21 December, 2014	
25	MT12033	Ambreen Bashir	-	Expected to graduate on 21 December, 2014	
26	MT12034	Aniya Aggarwal	-	Expected to graduate on 21 December, 2014	
27	MT12035	Anuj Rajani	Yes	DE	21-Aug-14

28	MT12037	Gajendra Ranjit Waghmare	No	DE	21-May-14
29	MT12038	Ghongane Ganesh Vijay	No	DE	21-Aug-14
30	MT12039	Kanchan Arora	-	Expected to graduate on 21 December, 2014	
31	MT12040	Kongara Amani	-	Expected to graduate on 21 December, 2014	
32	MT12041	Krishan Kumar Arya	Yes	DE	21-Aug-14
33	MT12042	Lovey Agrawal	-	Expected to graduate on 21 December, 2014	
34	MT12043	Megha Mittal	Yes	DE	21-May-14
35	MT12044	Pankaj Sahu	Yes	DE	21-Aug-14
36	MT12046	Priya J N Singh	-	Expected to graduate on 21 December, 2014	
37	MT12047	Ritika Jain	Yes	DE	21-May-14
38	MT12048	Sakshi Tiwari	Yes	Gen	21-Aug-14
39	MT12049	Shilpa Garg	Yes	Gen	21-May-14
40	MT12050	Shilpi Jain	Yes	DE	21-Aug-14
41	MT12051	Sudeep Gupta	No	DE	21-May-14
42	MT12060	Akshi	No	MC	21-May-14
43	MT12061	Alvika Gautam	Yes	MC	21-Aug-14
44	MT12062	Amit	Yes	MC	21-Aug-14
45	MT12063	Anil Sharma	-	Expected to graduate on 21 December, 2014	
46	MT12064	Deepika	Yes	Gen	21-Aug-14
47	MT12067	Milan Jain	Yes	MC	21-Aug-14
48	MT12068	Mridula Singh	Yes	MC	21-May-14
49	MT12069	Nishtha Ahuja	No	MC	21-May-14
50	MT12070	Prateek Jassal	No	MC	21-May-14
51	MT12071	Priyanka Singh	-	Expected to graduate on 21 December, 2014	
52	MT12072	Rohit Romley	No	Gen	21-May-14
53	MT12074	Samit Anwer	-	Expected to graduate on 21 December, 2014	
54	MT12075	Shailja Thakur	Yes	MC	21-Aug-14
55	MT12076	Stuti Jain	No	MC	21-May-14
56	MT12077	Tarun Gupta	No	MC	21-May-14
57	MT12078	Veeru Sharma	No	MC	21-Aug-14
58	PhD1104	Praful Agarwal	Yes	Gen	21-May-14

Master of Technology, ECE (List of Graduating Students)

Sl. No.	Roll No.	Name	With Thesis	Specialisation	Graduation Date
1	MT12092	Ankita Shukla	Yes	Gen	21-May-14
2	MT12094	Gade Narayana Sri Harsha	Yes	VLSI & Embedded System	21-Aug-14
3	MT12095	Kumar Abhishek	No	VLSI & Embedded System	21-Aug-14
4	MT12096	Mir Mohsina Rahman	Yes	Gen	21-Aug-14
5	MT12097	Namrata Dwivedi	Yes	Gen	21-Aug-14
6	MT12098	Neeraj Kumar	Yes	VLSI & Embedded System	21-Aug-14
7	MT12099	Pranay Samanta	Yes	VLSI & Embedded System	21-Aug-14
8	MT12100	Rahul Kumar Shah	Expected to graduate on 21 December, 2014		
9	MT12101	Rohan Sinha	Yes	VLSI & Embedded System	21-Aug-14
10	MT12102	Rohit Jain	Yes	Gen	21-May-14
11	MT12104	Shubha Sharma	No	Gen	21-Aug-14
12	MT12105	Sidhartha Sankar Rout	Yes	VLSI & Embedded System	21-Aug-14
13	MT12106	B Srikrishna Acharya	Yes	VLSI & Embedded System	21-May-14
14	MT12107	Supratim Das	Yes	VLSI & Embedded System	21-May-14
15	MT12108	Swatilekha Majumdar	Yes	VLSI & Embedded System	21-Aug-14
16	MT12109	Vijender Kumar Sharma	Yes	VLSI & Embedded System	21-Aug-14
17	MT12110	Vinod Kumar Singh	Yes	VLSI & Embedded System	21-Aug-14
18	PhD1221	Aijaz Mehdi Zaidi	Yes	Gen	21-May-14
19	PhD1223	Varsha Maheshwari	No	Gen	21-May-14

Dual Degree - B.Tech. & M.Tech (CSE) (List of Graduating Students)

Sl. No.	Roll No.	Name	With Thesis	Specialisation	Graduation Date
1	2009064	Apurv Mehra	CSE		21-Aug-14
2	2009068	Sudip Mittal	CSE		21-Aug-14

Bachelor of Technology, CSE (List of Graduating Students)

Sl.No.	Roll No.	Name	Degree	Graduation Date
1	2010001	Abhimanyu Khanna		May 21, 2014
2	2010003	Abhishek Sharma		August 21, 2014
3	2010004	Abhishek Gupta	With Honors	May 21, 2014
4	2010005	Aditi Lal		August 21, 2014
5	2010006	Adway Malhotra		May 21, 2014
6	2010007	Aishwarya Jain		May 21, 2014
7	2010008	Akanksha		May 21, 2014
8	2010009	Akkineni Ajay Krishna		May 21, 2014
9	2010010	Akshay Gupta		May 21, 2014
10	2010011	Akshay Rajvanshi		May 21, 2014
11	2010012	Akshit Gupta		May 21, 2014
12	2010013	Amol Verma		May 21, 2014
13	2010014	Anirudh Chakravorty	Expected to graduate on 21 December, 2014	
14	2010015	Ankit Mittal		May 21, 2014
15	2010016	Ankur Goel		May 21, 2014
16	2010017	Anmol Kelkar		May 21, 2014
17	2010018	Anulima Choudhary		August 21, 2014
18	2010019	Apoorv Narang		May 21, 2014
19	2010020	Apoorv Saini		August 21, 2014
20	2010021	Arjun Ahuja		May 21, 2014
21	2010022	Arpit Anand		August 21, 2014
22	2010024	Astha Solanki		May 21, 2014
23	2010025	Ayushi Goyal		August 21, 2014
24	2010026	Ayushi Aggarwal		May 21, 2014
25	2010027	Deepanker Aggarwal		May 21, 2014
26	2010028	Devika Sondhi		May 21, 2014
27	2010030	Himanshu Gargas		May 21, 2014
28	2010031	Himanshu Verma		May 21, 2014
29	2010032	Jahnvi Kalyani		August 21, 2014
30	2010033	Jatin Thapar		May 21, 2014
31	2010034	Jyotika Dora		May 21, 2014
32	2010035	Karan Kalra		May 21, 2014
33	2010036	Karan Khurana		May 21, 2014
34	2010037	Karan Gupta		May 21, 2014
35	2010038	Kashish Chawla		May 21, 2014
36	2010039	Kirti Lamba		August 21, 2014
37	2010040	Kshitiz Bakshi		May 21, 2014

38	2010041	Kunal Mehta		May 21, 2014
39	2010042	Lakshay Bharti		May 21, 2014
40	2010043	Lokesh Garg		May 21, 2014
41	2010044	Manik Malhotra		May 21, 2014
42	2010047	Mayank Gautam		May 21, 2014
43	2010048	Mayank Verma		May 21, 2014
44	2010049	Mithil Gupta	Expected to graduate on 21 December, 2014	
45	2010053	Nikhil Nagrath		May 21, 2014
46	2010054	Nikhil		May 21, 2014
47	2010055	Nikhil Nagpal		May 21, 2014
48	2010057	Nikita Juneja		May 21, 2014
49	2010058	Nishant Jain		May 21, 2014
50	2010059	Paritosh Mittal	With Honors	August 21, 2014
51	2010060	Prachi Agarwal		August 21, 2014
52	2010061	Praneet Sharma	With Honors	May 21, 2014
53	2010062	Pranjal Thapar		August 21, 2014
54	2010064	Priyanka Kumar		May 21, 2014
55	2010065	Priyanshu Gupta		May 21, 2014
56	2010066	Purujit Negi		August 21, 2014
57	2010067	Raghav Anand		May 21, 2014
58	2010068	Rhea Goel		May 21, 2014
59	2010070	Ruchika koli		May 21, 2014
60	2010071	Sahil Jain		May 21, 2014
61	2010072	Sakshi Saini		May 21, 2014
62	2010074	Sampoorna Biswas	With Honors	May 21, 2014
63	2010077	Saurabh Yadav	Expected to graduate on 21 December, 2014	
64	2010078	Shayan Lahiri		21-May-14
65	2010079	Shipra Behera		May 21, 2014
66	2010080	Shreyasi Agrawal		May 21, 2014
67	2010082	Shruti Kapur		May 21, 2014
68	2010083	Shubham Singhal		May 21, 2014
69	2010085	Shubhansh Agrawal		May 21, 2014
70	2010086	Soumya Vardhan Singh		May 21, 2014
71	2010087	Sukriti Jain	With Honors	May 21, 2014
72	2010088	Sushant Mehta		May 21, 2014
73	2010089	Tanmay Goel		August 21, 2014
74	2010090	Tanya Mishra		August 21, 2014
75	2010091	Udit Verma		May 21, 2014
76	2010092	Ujjwal Gupta		May 21, 2014
77	2010093	Utkarsha Bhardwaj		May 21, 2014
78	2010094	Hrishant Raghav		May 21, 2014

79	2010096	Vinayak Chopra		May 21, 2014
80	2010097	Yash Lamba		May 21, 2014
81	2009002	Aarti Chand		August 21, 2014
82	2009007	Aditya Gulati		May 21, 2014
83	2009020	Digvijay Singh		May 21, 2014
84	2009046	Sumit Aggarwal		May 21, 2014
85	2009056	Aditya Kumar	Expected to graduate on 21 December, 2014	

Medals & Prizes

THE CHANCELLOR'S GOLD MEDAL for the best academic record and highest CGPA of all the graduating students in the entire B.Tech. program to:

Abhishek Gupta

BEST B.TECH. PROJECT AWARD for the best Bachelor of Technology Engineering Project to:

Apoorv Narang

and for the best Bachelor of Technology Entrepreneurship project to:

Aditya Kumar

BEST M.TECH. THESIS AWARD for the best M. Tech. thesis in **ECE** to:

Ankita Shukla

Faculty

Full time Faculty



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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 & mankind at large.
