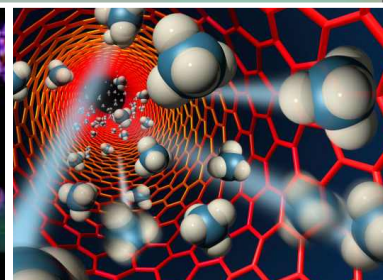
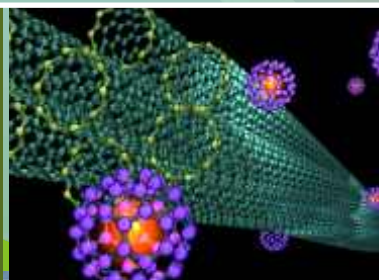




# DELHI TECHNOLOGICAL UNIVERSITY

*(Formerly Delhi College of Engineering)*

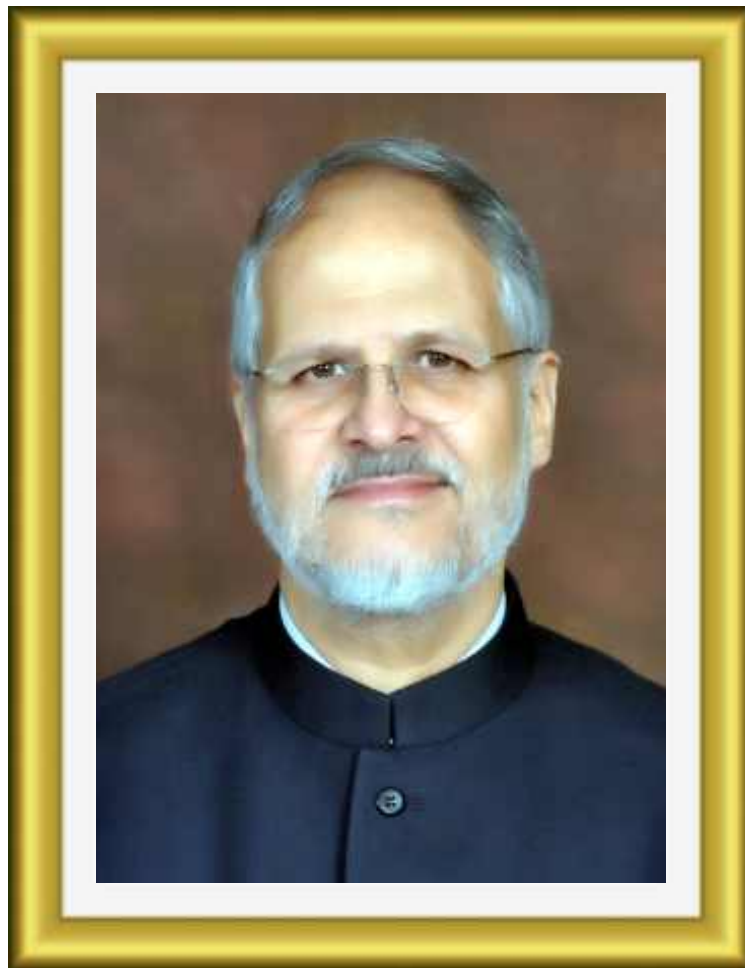
## PROSPECTUS 2013-14







सत्यमेव जयते



**Shri Najeeb Jung**  
Hon'ble Lt. Governor, Delhi  
*and*  
Chancellor, DTU



## IMPORTANT DATES

### For Admission to B.Tech Programs

Opening of Registration and Registration Fee Submission	- 27-06-2013
Closing of Registration Fee Submission	- 10-07-2013
Opening of Application & Choice Filling (online)	- 29-06-2013
Closing of Registration & Choice Filling (online)	- 12-07-2013
Display of First list for admission	- 13-07-2013
Display of Second list for admission	- 22-07-2013
Display of Third list for admission (if vacancies exist)	- 26-07-2013

### For Admission to M.Tech / Ph.D / NRI / FN / PIOs / MBA

	M.Tech	Ph.D	FN/NRI/ PIOS (B.Tech & M.Tech)	MBA
Application Form for download at <a href="http://www.dce.edu">www.dce.edu</a> will be available from	25-04-2013 to 15-05-2013	25-04-2013 to 18-05-2013	29-06-2013 to 12-07-2013	11-12-2012
Registration fee deposit at any branch of SBI	16-05-2013 to 24-05-2013	-	-	-
List of short listed candidates for Interviews	29-05-2013	08-06-2013	-	08-03-2013
Interview for Part Time Candidates	12-06-2013	09-06-2013	-	-
Interview for Full Time Candidates	N/A	10-06-2013	-	-
Display of List of provisionally selected candidates	13-06-2013	12-06-2013	22-07-2013	04-04-2013
Display of Second round list	28-06-2013	N/A	26-07-2013	22-04-2013

**Candidates are advised to see the DTU Admission website: [www.dtuadmission.nic.in](http://www.dtuadmission.nic.in) regularly for updates. On the day of registration, students are required to bring three passport size photographs for the identity card and registration.**

*Chairman, B.Tech Admission Committee  
Prof. O.P. Verma  
Department of Information Technology*

**DELHI TECHNOLOGICAL UNIVERSITY**  
(Formerly Delhi College of Engineering)

All enquiries for admission be made through e-mail: [betechhelp2013.dtu@gmail.com](mailto:betechhelp2013.dtu@gmail.com)

All possible care has been taken to print the matter correctly. However, printer and DTU authorities shall not be responsible for any inadvertent mistake. In case of errors / discrepancies, the official version of Delhi Technological University / Government Authorities shall be final. Prospectus is not a legal document.

**Compiled by Prospectus Committee: Prof. D. Kumar (Chairman), Dr. Nitin Puri (Member), Sh. Yoginder Kumar**



**Smt. Sheila Dikshit**  
Hon'ble Chief Minister  
*Government of NCT of Delhi*



**Dr. Ashok Kumar Walia**  
Hon'ble Minister  
*Higher & Technical Education*



Shri Tejendra Khanna, the then Hon'ble Lt. Governor, Delhi and Chancellor DTU looking at the DTU Model along with Dr. A.K. Walia, Hon'ble Minister for Higher and Technical Education and Shri R.P. Agrawal, Chairman, BoM



Shri Tejendra Khanna, the then Hon'ble Lt. Governor, Delhi and Chancellor DTU awarding Degrees and Gold Medals to the DTU Graduates along with National Research Professor G.K. Mehta, FNA



उपराज्यपाल  
दिल्ली  
LIEUTENANT GOVERNOR  
DELHI



राज निवास  
दिल्ली-११००५४  
RAJ NIWAS  
DELHI-110054

July 23, 2013

### MESSAGE

Delhi Technological University, formerly Delhi College of Engineering, is a premier technical university in the country imparting high quality education and a high end research environment in the field of engineering, technology and management.

With a history spanning over 72 years, DTU attracts highly talented students for its Under-Graduate and Post-Graduate programs and has been successful in getting several research grants both from Government departments and the corporate sector for undertaking sponsored research.

The University lays emphasis on adherence to high ethical values within the academic community comprising both students and teachers, recognizing that professional success and personal happiness are closely linked with adopting a moral and ethical value system in dealing with all fellow human beings.

I extend my Best Wishes to students joining the Delhi Technological University this year and with them a bright academic and professional future.

  
(NAJEEB JUNG)



Smt. Sheila Dikshit, Hon'ble Chief Minister Delhi flagging off the DTU Solar Car - Solaris to participate in the World Solar Challenge, Australia



Smt. Sheila Dikshit, Hon'ble Chief Minister Delhi releasing the Inaugural Issue of Software Engineering: International Journal, SEIJ



**SHEILA DIKSHIT**  
CHIEF MINISTER



GOVT. OF NATIONAL CAPITAL TERRITORY OF DELHI  
DELHI SECRETARIAT, I.P. ESTATE, NEW DELHI-110113  
PHONE : 23392020, 23392030 FAX : 23392111

D.O. No.: OSD/CM/224

Dated : 04.06.2013

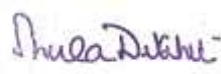
### MESSAGE

The Government of Delhi is committed towards development of Delhi as the Knowledge Capital of India. The initiative to reconstitute Delhi College of Engineering into Delhi Technological University (DTU) was a major milestone to equip Delhi with world-class education, research and innovation capabilities.

I am happy that within a short span of four years the DTU has emerged as a leading technological university in the country providing quality education and an environment for industry relevant research and innovations. With its focus on interdisciplinary engineering and synergy between science and engineering the University continues to attract highly talented students for its UG and PG programs.

The DTU has earned a high repute due to its strong industry interface, excellent campus placements and international recognition of its innovations. We are committed to support DTU to turn it into a world-class University of Science and Technology and bring glory to the nation in the coming years.

I extend my warm greetings to the students joining this world-class institution in the 2013-14 academic session.

  
(SHEILA DIKSHIT)



Shri Ashwani Kumar Datt, distinguished alumni DCE and Member, P.E.S.B releasing the GAC 2013 Souvenir along with Shri R.P. Agrawal, Chairman, BoM, DTU, Shri K.L. Chugh, distinguished alumni, DCE and Chairman Emeritus ITC Ltd., Prof. P.B. Sharma, Vice Chancellor, DTU and Prof. Bhuvnesh Goswami, distinguished alumni DCE, Emeritus Professor, Clemson University



Shri Tejendra Khanna, the then Hon'ble Lt. Governor, Delhi, Dr. A.K. Walia, Hon'ble Minister Higher and Technical Education, Shri R.P. Agrawal, Chairman, BoM, DTU and Prof. P.B. Sharma, Vice Chancellor, DTU viewing the DTU Model



डा. अशोक कुमार वालिया  
Dr. ASHOK KUMAR WALIA



स्वास्थ्य एवं परिवार कल्याण, उच्च शिक्षा व  
प्रशिक्षण एवं तकनीकी शिक्षा, कौशल  
मिशन/श्रम, सिंचाई और बाढ़ नियंत्रण मंत्री  
MINISTER OF HEALTH & FAMILY WELFARE,  
HIGHER EDUCATION & TTE, SKILL MISSION/  
LABOUR, IRRIGATION AND FLOOD CONTROL  
राष्ट्रीय राजधानी क्षेत्र दिल्ली सरकार  
GOVT. OF NATIONAL CAPITAL TERRITORY OF DELHI  
दिल्ली सचिवालय, आई. पी. एस्टेट, नई दिल्ली-110002  
DELHI SECRETARIAT, I.P. ESTATE, NEW DELHI-110002  
(Off.) : 23392103, 23392104  
(Resi.) 22458989, 22518989

D.O. No. 1007/13/275  
दिनांक

Date 12-6-2013

#### MESSAGE

Delhi Technological University (DTU), formerly Delhi College of Engineering, is a flag-ship University of the Department of Training and Technical Education, Govt. of Delhi. The Institution has a illustrious history spanning over 72 years and has highly impressive worldwide alumni presence.

I am happy that the University has made remarkable progress and has added new under-graduates and post-graduate programmes of high relevance to the industry. Further, the University lays high emphasis on integrating education and research and thus, prepares professionals for the new knowledge economy.

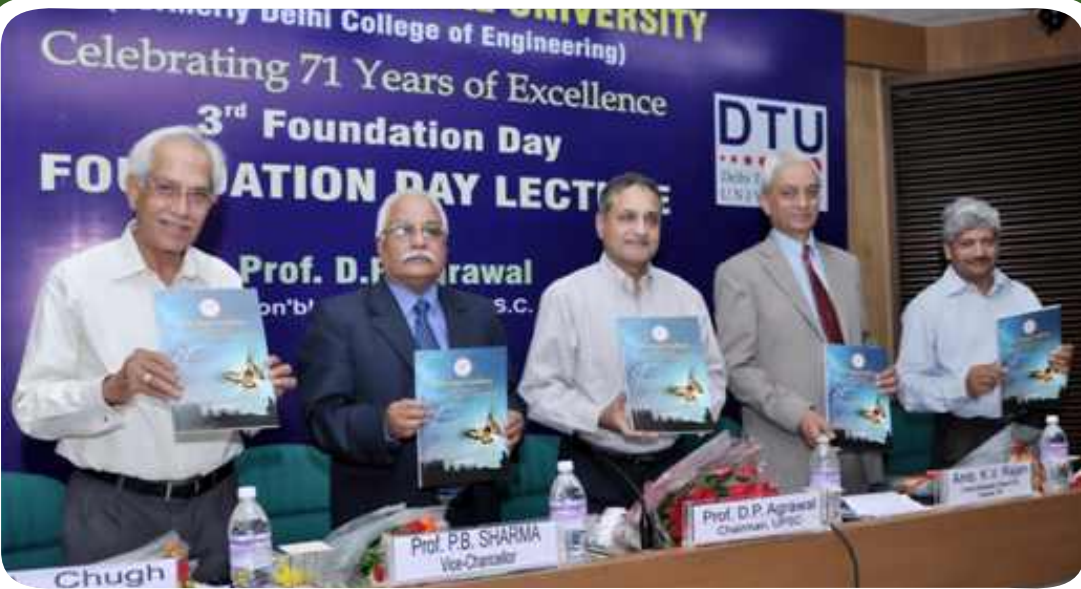
With its excellent placement record, strong industry interface and vibrant environment for innovations, the DTU continues to attract high quality students for its academic and research programmes.

I extend my best wishes to the students joining this prestigious Institution in academic session 2013-14.

(DR. A.K. WALIA)



Smt. Sheila Dikshit, Hon'ble Chief Minister Delhi flagging off DTU Hybrid for International Competition at USA



Prof. D.P. Agrawal, Chairman UPSC releasing the DTU Publications "Three Years of Growth and Achievement" on the occasion of 3rd Foundation Day of DTU



D.M. SPOLIA, IAS



मुख्य सचिव  
राष्ट्रीय राजधानी क्षेत्र दिल्ली सरकार  
दिल्ली सचिवालय, आई.पी.एस्टेट, नई दिल्ली-110002  
**CHIEF SECRETARY**  
GOVT. OF NATIONAL CAPITAL TERRITORY OF DELHI  
DELHI SECRETARIAT, IP ESTATE, NEW DELHI-110002  
Tel.: 2339 2100, 2339 2101 Fax : 011-2339 2102  
E-mail : csdelhi@nic.in

May 31, 2013

### MESSAGE

Delhi Technological University (formerly Delhi College of Engineering), is the prime hub of high quality engineering education, research and innovations in the NCT of Delhi. The University has established strong academia-industry interface and has collaborations with reputed research organizations, industry majors and premier institutions.

One of the unique features of the University is the inter disciplinary environment in which engineering students engage themselves for cutting edge technology, research and product innovations. The School of Management of the University nurtures managerial acumen while at the same time strengthening the technology temper in its MBA students.

It gives me immense pleasure to note that the University has excellent campus placements for its UG and PG students and has earned a high repute internationally in a number of thrust areas of research and innovations, having high relevance to industries.

I extend my warm greetings to the students joining this prestigious technological University in academic session 2013-14.

  
(D.M. Spolia)



Nobel Laureate Prof. Roger D. Kornberg at the Nobel Lecture at DTU, December 19, 2012



Dr. Kiran Karnik, former Chairman NASSCOM, alongwith Mr. Stewart Hong, MD, SIEL, Shri R.P. Agrawal, Chairman, BoM, DTU, Shri Sanjay Rai, VP, SIEL releasing fourth issue of SEIJ on the occasion of MoU signing ceremony between Samsung Electronics and DTU



दिल्ली प्रौद्योगिकी विश्वविद्यालय  
DELHI TECHNOLOGICAL UNIVERSITY  
(Formerly Delhi College of Engineering)



**R. P. Agrawal, IAS (Retd.)**  
Chairman  
Board of Management  
former Secretary, Ministry of HRD, Govt. of India

E-MAIL : rpa1949@gmail.com

5<sup>th</sup> June, 2013



### MESSAGE

Delhi Technological University (formerly Delhi College of Engineering), has been the hub of high quality engineering and technology education, industry relevant research and innovations in the country. Having an illustrious history spanning over 72 years, the DTU has been a breeding ground for talent in Engineering and Technology and has a highly impressive alumni presence worldwide.

The university lays a heavy emphasis on integrating education and research and one of the unique features of DTU is the interdisciplinary environment in which engineering students engage themselves for cutting edge technology, research and product innovations.

With a strong industry interface, excellent campus and research infrastructure, very committed and highly accomplished faculty, vibrant environment for innovations and excellent placement record, the DTU attracts the brightest of the students for its academic and research programs.

I wish to congratulate you on your getting admission in DTU in the academic session 2013-14 and wish you all the success.

(R.P. AGRAWAL)





Shri Mangu Singh, MD, DMRC on the occasion of MoU Signing ceremony between DMRC and DTU, alongwith Shri Satish Kumar, Distinguished Alumni DCE and Director, DMRC



Prof. P.B. Sharma, Vice Chancellor, DTU and Mr. Stewart Hong, MD, SIEL signing the MoU between DTU and SIEL along with Dr. Kiran Karnik, former Chairman NASSCOM, Shri R.P. Agrawal, Chairman, BoM, DTU and Shri Sanjay Rai, VP, SIEL



*72 years*

*of excellence in Engineering  
Education and Innovations*

*from 1941 onwards...*

*Delhi College of Engineering  
reconstituted as*

*Delhi Technological University*

*vide Delhi Act 6 of 2009*

*- a non affiliating  
Technical University*

*"Committed to  
foster Engineering Excellence*

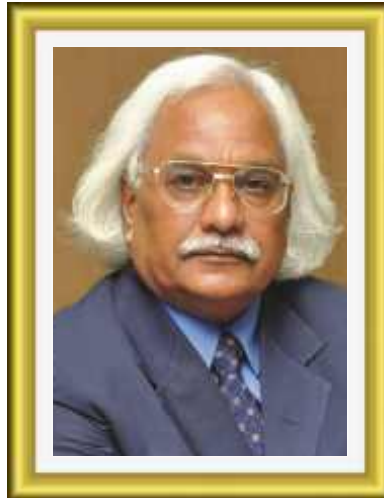
*and*

*Scientism together"*





*From the Desk of the Vice-Chancellor, DTU*



**Prof. P. B. Sharma**  
Vice-Chancellor  
*Delhi Technological University*

## **Celebrating 72 Years of Excellence**

Let me begin by extending **My Very Best Wishes and Warm Greetings to the Aspirants for Admission to the Prestigious Delhi Technological University (formerly Delhi College of Engineering)** who look towards our prestigious institution with high expectations for nurturing their potential for high quality technical education, creative research and industry relevant innovations. Let me also at the same time acknowledge the great alumni power and the present and the past faculty and staff of the institution who have built up this institution to high national and international acclaim which enabled us to celebrate the 71 years of excellence during the year 2012-13.



Delhi Technological University (since 2009), its predecessors Delhi College of Engineering (1965-2009) and Delhi Polytechnic (1941-1964) have provided to our nation and world at large some of the best and finest engineering and technology professionals who have led with distinction great enterprises and corporate houses in India and abroad, brought immense glory to their alma-mater while at the same time enhanced the pride of the profession of engineering by their distinguished services performed with utmost sincerity and commitment. The long list of distinguished alumni of this great institution which includes **Vinod Dham**, 1971 EC, The Designer of Pentium Chip, **Raj Soin**, 1969 Mech. Chairman, Soin International, Ohio, USA, **K.L. Chugh**, 1960 Mech, former CMD of ITC, **Ajoy Choudhury**, 1958 Architecture, Eminent Architect, **Dr. Durga Das Agrawal**, 1967 Mech. President and CEO, Piping Technology and Products, Houston, **Prof. Bhavenesh Goswami**, 1959 Textile, Distinguished Alumni Professor, University of Clemson, USA, **Prof. Yogi Goswami**, 1969 Mech. Distinguished Professor of Solar Energy Technologies, University of Florida, USA, **Yogesh Sud**, 1969 Mech, NASA Gold Medalist Scientist, **Surya Kant**, Vice President and Head TCS America USA, **A.K. Puri**, 1975 Mech., Former CMD BHEL, **A.K. Baweja**, Former CMD, Hindustan Aero. Ltd., **Sanjeev Ahuja**, Former Chairman, Orange SA, **Ashwani Kumar**, CMD, Bharat Electronics Ltd., **Anil Sardana**, Managing Director, Tata Power Ltd., **A.K. Purwaha**, CMD, Engineers India Ltd., **S.K. Vij**, former Member Railway Board and President, Indian Building Congress, **B.S. Duggal**, former Director General of C.P.W.D., **A.K. Khurana**, Member Engineering, DDA, Satish Kumar Director Delhi Metro, **Dr. Krishan Kumar**, Director (Technical) Maruti Udyog Ltd., **Karnail Singh**, IPS, DGP Mizoram Police, **Arun Goyal**, IAS, Minister of Commerce and Industry, Indian Embassy, Tokyo, Japan, **Prof. Phanish Puranam**, Professor at London Business School and many more, is a matter of great pride and honour for this mother institution of IIT Delhi, School of Planning and Architecture, College of Arts and it may not be wrong if we add to this premier league the famous Faculty of Management of Delhi University and Shri Ram College of Commerce, both having been nurtured by the initial genes from the then Delhi Polytechnic of Government of India at Kashmere Gate.

On this occasion when we embark on our academic session 2013-14 and celebrate **72 years of excellence of this great institution**, let us get a renewed inspiration from our distinguished alumni and also from all those who have provided this institution the vital strength to stand among the tallest in the community of engineering institutions in India and have enabled us to earn a high recognition and repute abroad. And let this inspire us to march forward on the path of professional excellence and scale new frontiers of engineering & technology education & research in the years to come.

**The illustrious march on the path of excellence** of this premier institution began in 1941 at Kashmere Gate when the founding fathers of this great institution put together the concept of a model institution of higher learning in which engineering and technology excellence would flourish in a seamless environment of Arts and Sculpture, Town Planning and Architecture, Commerce and Management and Pure and Applied Sciences. Such was the conviction of the founding fathers that all these streams of learning and scholarship



flourished under one roof, enriching a fuller understanding of engineering as a multifaceted discipline supported by a rich and profound understanding of humanities, social sciences, business and management and together serving the interest of the society and nation through Applied Engineering, Applied Arts, Planning and Management. It is also a matter of great satisfaction that the Delhi Polytechnic offered at that time engineering and technology programs of Certificate Level, Diploma Levels and the National Diploma equivalent to Degree levels, all from the same institution. Such a noble tradition is, however, today non-existent even in the best institutions of this country.

It is also a matter of great pride that the famous Delhi Polytechnic within the same campus had a Technical School to sensitize and nurture that vital engineering and technology instinct in its budding engineers while providing the thrill and excitement of India's rich and profound heritage, a legacy of excellence in design and town planning as was Kashmere Gate and the Old Delhi area then being the hub of India's great magnificence. No wonder, this institution produced some of the tallest personalities in engineering and technology, commerce and management, arts and sculpture and town planning and architecture. The only institution in the neighbourhood at that time was the Thompson College of Engineering at Roorkee. Together these two institutions in the northern India were the torch bearers of India's excellence in engineering and technology education.

**The historic campus at Kashmere Gate** bore testimony of India's great heritage of education and scholarship. It is the same Kashmere Gate campus which was the home for the famous St. Stephen's College and Hindu College. This historic campus has witnessed the epoch-making events such as the rise of IIT Delhi at Hauz Khas, School of Planning and Architecture at I.P. Estate near I.T.O., College of Arts at Tilak Marg opposite Supreme Court of India and later the rise of Delhi Institute of Technology which later became NSIT.

**The transformation of Delhi Polytechnic into Delhi College of Engineering in 1965** was a historic event when the institution became a College of Engineering under the then Delhi Administration. The academic programs were affiliated to Delhi University ever since 1952. This historic change was made to provide the necessary vertical growth in engineering and technology education by offering degrees at the level of Degree, Post Graduate Degree and later at the Doctoral level. The core disciplines of engineering namely Civil, Mechanical and Electrical were further added by newer disciplines such as Electronics and Communication in the 70's and Computer Engineering in the 80's. Having transferred the Textile Technology and Chemical Engineering to IIT Delhi with Lock-Stock and Barrel (Faculty, Technical Staff, Books, and Laboratory Equipments), the institution was feeling a vacuum in respect of these Applied Engineering disciplines. This was later bridged to some extent by adding Polymer Science and Technology in 80's at the Master's level. By that time, the Delhi College of Engineering at Kashmere Gate was already offering Master's program in 7 other disciplines including Thermal, Production, Controls and Instrumentation, Electronics and Communication,



Hydraulics and Flood Control, Environmental Engineering and Structural Engineering. A Master's program in Computer Technology and Application was also added in the 90's to strengthen the Mathematical base of Modern Computing as also to produce industry-relevant manpower for the Computer and Software industry.

Further expansion required its shifting to the new campus at Bawana Road adjoining Sector - 17 of Rohini. The historic Kashmere Gate campus bear the footprints of a number of celebrated technical educators which include **Prof. W.W. Wood** and **Prof. R.G.P.S. Fairbairn** the founder and the Second Principals of the erstwhile Delhi Polytechnic, **Prof. S.C. Sen**, the first Indian Principal of Delhi Polytechnic later Delhi College of Engineering, **Prof. J.N. Moudgill**, former Principal, DCE and Founder Programme Director of IIT Delhi, **Prof. S.P. Luthra**, Vice Principal, DCE and later Director, IIT Delhi, **Prof. N.M. Swani**, Professor Textile Engineering, DCE later Director, IIT Delhi, **Prof. A. Dasgupta**, Professor of Commerce at Delhi Polytechnic and Founder Dean of Faculty of Management Studies, Delhi University, **Prof. R.C. Narayanan**, **Prof. Bhimra**, **Prof. Y.V.S.R. Sastry** and **Prof. N.L. Sachdeva** of Mechanical Engineering, **Prof. P. Kundu**, **Prof. C.L. Wadhwa** and **Prof. J.K. Das** of Electrical Engineering, **Prof. J.C. Bhatia** of Applied Mathematics, **Prof. V.P. Bhatnagar** of Applied Physics and **Prof. B.N. Mishra** and **Prof. A.K. Sinha** of Electronics and Communication and **Prof. S.K. Selot**, **Prof. S.K. Majumdar** and **Prof. Arun Kumar** of Civil Engineering.

The **development of the new campus at Bawana Road on a plot of 164 acres** provided a unique opportunity for innovations in design of the institutional complex and to create an environment in which education, research and innovations could flourish in a largely residential campus, where the students and teachers would have hours of interaction beyond the working hours and shall be motivated to return to their laboratories and Library after a short break in the evening and on holidays. A major fillip to the expansion of educational and professional activities took place once the college shifted to its new campus from August 1996 onwards. The Under Graduate intake which was at 320 at Kashmere Gate (prior to shifting to the New Campus) rose to 670 in 2008 with the addition of new disciplines of Information Technology, Bio Technology and Polymer Science and Chemical Technology at Under Graduate Levels.

It is all the more a matter of great pride that the magnificent new campus was designed by one of our illustrious alumni, an eminent architect **Shri Ajoy Choudhury**, 1958 Architecture who has excelled globally for his architectural design innovations. The campus was constructed under the professional command and quality supervision of our country's one of the most illustrious technocrat **Shri Bishma Kumar Chugh**, known for his missionary zeal and firm resolve for excellence, who later rose to the eminent position of the Director General of CPWD and currently working as Special Advisor on Innovative Technologies and Systems for Government of NCT Delhi. The construction work of the new campus was also supported by a number of eminent alumni which included **Shri D.S. Sachdev**, Project Manager who later became Director General of CPWD, **Shri P.S. Chadha**, Project Manager who later became Additional Director General, CPWD, **Shri Rajesh Banga** and **Shri Gajendra Kumar**, young Assistant Engineers at that time.



I had the privilege of being associated from conceptualizing the design to its final implementation and shifting the institution from its Kashmere Gate Campus to the lush green magnificent New Campus designed for innovation and energy efficient building designs. **Prof. J.N. Mudgill**, the Doyen of Technical Education who himself has been the toughest Principal of DCE and the man who planned and built IIT Delhi was also associated in finalizing the designs and supervision of the construction work along with senior members of the faculty of the institution, namely **Prof. M. Pal Das**, former Principal and Professor of Civil Engineering, **Prof. Y.V.S.R. Sastry**, the then HoD, Mechanical, **Prof. J.K. Das**, the then HoD, Electrical, **Prof. V.K. Mahana**, the then Dean (Academics) and **Shri Satyanarain**, the then OSD-cum-Project Officer who all provided their valuable time in the development of this new campus. The new campus owes its share of gratitude to the Government of NCT Delhi for its generous financial outlay and support for the rapid construction of the new campus. This enabled shifting from the historic Kashmere Gate to the New Campus in August 1996.

**The magnificent geometric forms** such as Semi-circular Library, Triangular Administrative Block, Circular Hospital Building, High Rise “Y” and “True V” shaped columns supporting the structure at 3rd storey in the Academic Blocks, Maintenance Free Buildings of the impressive circular academic plaza where radial blocks are for Laboratories, front semi-circular buildings, housing talented faculty and lecture theatres embedded in the inner circle together represent the academic might of this great institution. The campus is water secured, provided with underground storm water drainage system, wide road network, adequate parking spaces, adequate green cover all were designed to glow their eminence for several decades and inspire the budding engineers for an environmentally benign planning and development. The impressive Main Gate of the campus is equipped with Cantilever Arches resembling the “Wings of Knowledge” while at the same time the entire campus glowing the “Power of Innovation” from this temple of engineering excellence, the seat of learning and scholarship of India’s most illustrious engineering institution.

**The transformation of Delhi College of Engineering into Delhi Technological University in 2009** through the Delhi Act 6 of 2009 marks a historic milestone in the march of this premier institution from strength to strength, nurturing excellence all along. This premier institution as a non-affiliating Teaching-cum-Research Technological University is equipped with the necessary academic and administrative autonomy which gave the opportunity to excel beyond the milestones of achievements already accomplished. During the last 3 years of functioning of DCE as DTU it has been our endeavour to ensure that the growth with quality becomes the guiding principle besides pursuing new frontiers of knowledge and innovations in emerging and new areas of engineering and technology. New Master’s Programs in the area of Microwave and Optical Communication, Nano-Science and Technology, Bio-Informatics, Information Systems, Software Engineering, Geo-Tech Engineering and VLSI Design and Embedded System have been added, in addition to new Under Graduate programs in areas of Automobile Engineering, Electrical and Electronics Engineering, Software Engineering, Engineering Physics and lately Mathematics and Computing. Here again, the major focus has been on nurturing



the vital synergy between science and engineering as also to foster inter-disciplinary and trans-departmental approaches. This has further enhanced our focus on industry-relevance and renewed our quest for excellence in an era of knowledge creation and innovations.

We have also established **Delhi School of Management** in DTU to nurture managerial excellence in a campus full of thrill and excitement of engineering and technology. The purpose here is to create a niche advantage in management education in areas of Technology Management, Knowledge and Innovation Management, Info-System Management and Supply Chain Management all requiring a technology temper and scientific bent of mind. The establishment of the Management School in the campus also equipped the institution with the necessary professional connect with the corporate and the world of business.

**Years 2011 and 2012 for Delhi Technological University have been the years of great achievements and growth.** The university achieved a new height of its glory with its ranking in Top 10 Best Engineering Institutions in India in reputed independent surveys carried out by Outlook and India Today in 2011 and 2012. DTU was ranked at No. 7 by India Today and at No. 8 by Outlook among the Top 10 Best Engineering institutions in India. The University also achieved the distinction of being ranked overall at No. 3 in the country in Campus Placements in the Best Engineering Institutions including the IITs. The highest salary in campus placements for Undergraduates has gone up to Rs. 60 lakhs p.a. while the domestic salary rose to Rs. 22 lakhs p.a. Shri Tanuj Mittal, Ms. Neha Das, Shri Sumit Dugar, Ms. Meenal Bansal, Shri Akash Mittal, Shri Miland Kumar had the honour of receiving the highest paid job offers of Rs. 60 lakhs plus from EPIC this year.

761 job offers have been received from 176 companies for the graduating batch of 2011. This included 140 double job offers for under graduates. All eligible post graduates also were placed through campus placement marking a unique departure from previous years. This also shows that the industry in India is now graduating to new product development for which it is now recruiting postgraduates and PhD holders. The companies which visited DTU includes Microsoft, Facebook, Google, EPIC, Yahoo, Oracle, IBM, Alstom, Samsung, McKenzie, Deloitte, Freescale, Mentor Graphics, Texas Instruments, L&T, Maruti, Tata Motors, BHEL, NTPC, EIL, GAIL, Indian Oil, CSC, C-dot. India Railways for the first time visited DTU for the campus placement. **In the academic year (2012-13) 980 job offers have already been received from 174 companies that have visited the campus so far. The highest international salary has gone up to Rs. 60 lakhs p.a. while the highest domestic salary this year has also risen to Rs. 22 lakhs p.a.**

On innovation front, **DTU Solar Car** last year (October 2011) participated in the World Solar Challenge held in Australia from Darwin to Adelaide while its Robotic Submarine and Super Mileage Vehicle also participated in the International Design Competition in US. DTU team has also developed the **Next Generation Unmanned Arial Vehicle** for urban applications in collaboration with Lockheed Martin of US which was unveiled by Dr. V.K. Saraswat, Director General, DRDO on November 1, 2012 in presence of the august gathering of Scientists from R&D organization and also delegates from Lockheed Martin.



Another major achievement of the University has been to strengthen its interface with the industry and with the world class universities. DTU entered into **MoU with Samsung Electronics (India)** alongside with MoUs with LaTrobe University, Australia, **MoU with National University of Singapore**, **MoU with National Physical Laboratory**, **MoU with Nanyang Technological University, NTU Singapore**, MoU with Indian Institute of Petroleum, Dehradun. An M.Tech program in Software Technology for 20 Samsung Professionals has also started by DTU thus marking the beginning of a new era of academia – industry partnership. MoUs has further been signed with Samsung for a customized B.Tech program for the Samsung Engineers. DTU has also entered into **MoU with Delhi Metro, DMRC** for capacity development and joint R&D for the Metro technologies. All this has further sharpened the focus of DTU on industry relevant education, research and innovations.

DTU celebrated its 71 years of excellence and organized Global Alumni Conclave 2013 on January 19th – 20th, 2013 at which its Global Alumni Power congregated at DTU Campus. A Pan DCE DTU Portal has also been launched by DTU to provide the vital alumni connect to its alma-mater. The great alumni power of this premier institution has a unique opportunity to pool together their brainwaves to envision their support to shape their alma-mater as an institution of their dream, a world class technological university in fact a global knowledge enterprise such that it not only provides the necessary academic and professional ambience to produce engineers of tomorrow but is equipped with the necessary knowledge infrastructure, technology incubation and innovation support mechanism to give rise to student and faculty startups, training and shaping them as highly successful techno-entrepreneurs of the new knowledge age. Towards this end, we expect our alumni to support the rise of highly specialized centres of research and development in areas of high relevance such as solar energy technologies, tomorrow's digital technologies, new and smart materials and composites, nano devices, nano machines and mechanisms and to foster newer vistas of engineering related to tomorrow's medical engineering, sports engineering, music engineering and mind engineering.





**The great alumni power of this great institution** can also pool its resources together to create their permanent foot prints in the form of new building blocks and academic and research facilities in their alma-mater. Above all their constant engagement with their alma-mater in providing the vital thought power and learned council for future planning and development is of utmost importance. Their sharing of life long experience of techno-preneurship and enterprise management with the current generation of budding engineering at the institution shall also immensely benefit the student community which shall emulate some of the best practices with which the illustrious alumni of this great institution have earned high eminence both nationally as well as globally. It is hoped that this “Celebration of Excellence” inspired one and all in this Temple of Engineering Education to devote themselves unconditionally to the cause of excellence in design and development and above all in service to the society.

DTU with a view to assimilate the wisdom of science and engineering for the advancement of the human society organized a **Nobel Laureate Lecture by Prof. Roger D. Kornberg (Nobel Prize in Chemistry - 2006)** on December 19th, 2012.

**First Convocation of DTU was held on January 11, 2013** - Hon’ble Lt. Governor of Delhi, the Chancellor of DTU presided, Convocation Address was delivered by Prof. Goverdhan Mehta, Distinguished Scientist and National Research Professor, University of Hyderabad, Hon’ble Minister of Higher and Technical Education, Dr. A.K. Walia and Shri R.P. Agrawal, IAS (Retd), Hon’ble Chairman, BoM, DTU were the Distinguished Guest of honour.

Well the year 2013-14 must be the year of professional enlightenment and hope for taking DTU to scale newer heights of glory by our distinguished contributions to education, research and innovations. This is also the year which shall provide a formidable thrust to the new infrastructure development for which planning has already taken place. During 2013-14 we wish to engage our faculty and students in a whole lot of activities to create the joy, thrill and excitement of engineering and technology and thus inspire them to serve the interest of the industry and community as also to support the growth of tomorrow’s engineering.





With its focus on industry relevance and its sustained quest for excellence, Delhi Technological University, DTU is marching from strength to strength to become a global leader in engineering and technology education, research and innovations. As the new academic session begins in August 2013, we look forward to a further upsurge in the ever rising spirit of innovation and commitment to march on the pathways of excellence. Let me close by adding that **"Pursuit of excellence demands unconditional commitment and fullest of dedication while at the same time paying greatest attention to minutest details"**. Let the new generation of students joining DTU in academic year 2013-14 make engineering their passion and cultivate capabilities and values to serve the vast humanity to bring glory to them, their parents, their alma-mater and participate in the great advancement of science and technology sweeping the globe all-around in this new knowledge age.

I invite the aspiring budding engineers to commit to creating engineering and technology excellence by their unconditional commitment and fullest dedication to their studies and their engagement in research and innovations.

Dated: 30.06.2013

Prof. P.B. Sharma  
*Vice Chancellor*





Shri Tejendra Khanna, the then Hon'ble Chancellor DTU and Hon'ble Lt. Governor Delhi addressing the participants in the Seminar "India - A Knowledge Society"



Dr. Roger Brindley, Associate Vice President, University of South Florida during his visit to DTU



The then Hon'ble Lt. Governor of Delhi, the Chancellor of DTU Shri Tejendra Khanna presided the Convocation, Convocation Address was delivered by Prof. Goverdhan Mehta, Distinguished Scientist and National Research Professor, University of Hyderabad, Hon'ble Minister of Higher and Technical Education, Dr. A.K. Walia and Shri R.P. Agrawal, IAS (Retd), Hon'ble Chairman, BoM, DTU were the Distinguished Guest of honour

Prof. P.B. Sharma, Vice Chancellor, DTU felicitating Shri Satish Kumar, distinguished alumni DCE and Director (Electrical), DMRC on the occasion of MoU signing ceremony between DTU and DMRC



Prof. P.B. Sharma, Vice Chancellor, DTU felicitating Shri Mangu Singh, Managing Director, DMRC on the occasion of MoU signing ceremony between DTU and DMRC



# Delhi Technological University

(formerly Delhi College of Engineering)  
Estd by the Government of NCT of Delhi vide Delhi Act 6 of 2009

**“...DCE as a Technological University will be a significant milestone to create an academic and research environment to foster scientism and engineering excellence together. The upgradation of DCE into a Tech University is seen as a major initiative of Government of Delhi to make Delhi as the Knowledge Capital of India”**



**Academic Plaza, DTU**

## 1. The Inspiration

The inspiration for reconstituting Delhi College of Engineering into a Technological University in the NCT of Delhi has been derived from the fact that in the new Knowledge Age creation and dissemination of knowledge, capabilities of utilizing knowledge to cause quantum jump in quality, performance and service to industry and society and thus, creating a better tomorrow has to be the hallmark of

science, engineering and technology education in India. Such an effort when encapsulated with the agile layers of scientific values, unclenching faith in research integrity and professional morality ensures growth, prosperity and happiness around the world. Such an academic environment, in fact, need to be created in the temples of higher learning, especially in the Universities and Institutions imparting professional education. This necessitates the requisite academic and administrative autonomy. The autonomy here becomes the freedom to excel and the associated accountability ensures a much greater commitment and compliance to high academic standards. In the context of Technological Universities and Engineering Institutions, we need also to cause seamless integration of science and engineering so that we succeed in creating the power of science and the might of technology together in our institutional campuses.

Learning from the international experience it goes without saying that we need to establish future Universities in India where science and technology both could flourish together, adding strength to each other's existence and contributing to the growth of interdisciplinary engineering in an environment of scientism.



What we really need to do is to create institutions and academic environment which attracts the very best talent towards science & engineering education and research both in the student community as well as in the faculty. For this we need to create the synergy between science and engineering to ensure that the very best talent is drawn towards university campuses which gravitate with the excitement of science and the thrill and joy of engineering. The DTU is firmly committed to foster this vital synergy between science and engineering.

The National Capital for many decades has been the hub for quality education and research in its premier institutions and universities such as the IIT Delhi, AIIMS, Delhi University colleges including Delhi Technological University. Delhi for a long time has been also known for promotion of manufacturing and production activities in both medium and small scale sectors. It has witnessed during the last two decades a significant growth of IT and ITES industries in and around Delhi. This has caused a major shift in the emphasis on shifting the hard core engineering activity to soft sectors of the knowledge economy. We could have caused a much greater resurgence of the core engineering sector if along with human resource development; we could have undertaken technology incubation and product innovation in our institutions of higher learning.

DTU as a teaching-cum-research University offers a unique opportunity to create an environment of synergetic partnership between academia and industry. DTU thus, aims to cause a major departure from the conventional system of education and research. It aspires to imbibe a culture of scientific research in its technology disciplines and technology temper in its scientific research and education. The university also aspires to provide the thrill of a corporate R&D environment with a planned focus on industrially relevant projects and technology incubation.

The human resource output of DTU shall impact the growth of future engineering and technology. It will

revolutionize the basis of design, systems of manufacturing and give rise to development of new materials, next generation communication technologies, information highways and cyber networks, growth of clean energy and environment technologies and capabilities to manage technology, businesses and enterprises in the connected economy. In fact, the output of DTU is targeted to impact significantly the resurgence of the 3rd Industrial Revolution which is on the anvil given the convergence of IT and the fast developing opportunities for harnessing energy in plenty through renewable energy resources.

The research outputs of this university are of high value to India's socio-economic development and for the progress in industrially relevant science and technology. Strong linkages have been forged between teaching and research, university and industry, and university and research laboratories. Collaborative projects with industry and research institutes are also a major focus area of the University.

The DTU is engaged in fostering a culture of excellence supported by qualified faculty and high quality student intake, including international students admitted through the NRI / PIO / Foreign Nationals Quota. It has the necessary freedom and supportive layers of autonomy to nurture excellence in teaching and research. DTU is envisioned to be a pioneering institute having high productivity of quality scientific and technological human resource and brain ware. We wish to benefit Industry in India from the quality of our graduate out turn and cost effective technology incubation and innovative product development.

The DTU has focussed its academic and research strategy on creating the Panchamrit of Academia, Industries, R&D organization, Government and Society, thus enhancing its reach as well as its share of contribution to



national economy and playing its role as a partner in progress of the society.

## 2. Our Glorious Past:

"72 years of Tradition of excellence in Engineering & Technology Education, Research and Innovations" Delhi College of Engineering, (initially established with the name - Delhi Polytechnic) came into existence in the year 1941 to cater the needs of Indian industries for trained technical manpower with practical experience and sound theoretical knowledge. The institution started its functioning at the historic Kashmere Gate campus as a follow up of the Wood and Abott Committee of 1938. It comprised of a multi disciplinary and multi level institution offering wide ranging programmes in engineering, technology, arts and sculpture, architecture, pharmacy and commerce. The national diploma awarded by the institution was recognized as equivalent to degree level for the purposes of employment. In 1952, the college was affiliated with University of Delhi and started formal Degree level Programmes. The department of Architecture later became the School of Planning and Architecture, now a Deemed University and Institution of National importance. The department of Arts and Sculpture became College of Arts and the departments of Chemical Technology and Textile Technology were shifted out en-block to mark beginning of the IIT Delhi at its new campus at Hauz Khas. The department of commerce was later abolished and the faculty of management studies of the University of Delhi was established by Prof. A Das Gupta, of DCE. Delhi College of Engineering is thus the mother institution of a number of national projects including IITD, SPA, College of Arts and even the famous FMS.

Till 1962, the college was under the direct control of Ministry of Education, Government of India. In 1963, the administration of the college was handed over to Delhi Administration. Delhi College of Engineering was under the administrative control of Department of Technical

Education & Training, Govt. of NCT of Delhi. For academic purposes, the college was affiliated to University of Delhi since 1952. From July 2009, the DCE has become Delhi Technological University vide Delhi act 6 of 2009.

The erstwhile DCE has functioned from its historic Kashmere Gate Campus for almost 55 years and has shifted in 1996 to its lush green sprawling campus of 164 Acres at Bawana Road, adjoining Sector-17, Rohini, Delhi-42. Its shifting to new campus has added the dimension of research and caused innovations in plenty, which has received high national and international acclaim. As a Delhi Technological University it has the desired autonomy to excel and shape itself as a world class Technological University.

## 3. Highlights of Major Achievements during the past years:

- i. DCE which is now DTU has provided to the nation around 34,000 engineering graduates and postgraduates who have excelled at home and abroad. Many of them have attained positions of high responsibility in government as well as in the corporate world. In addition, 3000 postgraduates and 75 PhDs have been provided by the faculty during the past years.
- ii. The long list of distinguished alumni of this great institution has earned their alma mater a reputation of being one of the premier institutions in the country recognized throughout the world for its academic and professional excellence. Some of the distinguished alumni are:
  - Shri Vinod Dham, 1971 Electronics, the Father of Pentium Chip.
  - Shri Raj Soin, 1969 Mechanical, Chairman of Soin International and a highly successful Industrialist in USA.
  - Shri K.L. Chugh, 1960 Mechanical, Chairman Emeritus, ITC Ltd.



- Shri Pramod Haque, 1969 Mechanical, one of the world's greatest venture capitalist.
- Shri A.K. Puri, 1975 Mechanical, former CMD of BHEL.
- Shri Ashwani Kumar, former CMD, Bharat Electronics Ltd., currently Member of Enterprise Selection Board, Government of India
- Shri Ashok K. Baweja, 1970 Elec, Former CMD, Hindustan Aeronautics Ltd.
- Shri A.N. Singh, Shri Janak Bhasin and Shri Kishan Swaroop, all three rose to the level of Chairman of Central Electricity Authority.
- Lt. General K.K. Mehra, Former Director General of EME.
- Prof. Bhuvnesh Goswami, 1959 Textile Distinguished Alumni Professor Clemson Univ. USA.
- Prof. D.Y. Goswami, 1969 Mechanical, Distinguished Professor at University of Florida, USA.
- Shri Durga D. Agarwal, 1967 Mechanical, President, Piping Tech. & Product Inc., USA.
- Sanjeev Ahuja, Chairman, Orange SA.
- Yogesh Sud, 1969 Mech, NASA Gold Medalist Scientist.
- Prof. Ajoy Choudhary, eminent Architect, 1958 Architecture.
- Dr. Krishan Kumar, Advisor-Engineering, Maruti Udyog Ltd.
- Shri Anil K. Sardana, MD, Tata Power.
- Shri Arun Jain, Chairman Polaris Software India.
- Shri C.Y. Pal, Non Executive Chairman Cadbury India
- Shri Amul and Ms. Goldie Gabrani, Founders of Tecpro Systems Ltd.
- Shri Srikant Gokhale, CEO, The Mobile Store
- Shri Suryakant, 1976 Electrical, President and Head, TCS America, UK and Europe
- Shri Satpal Goel, Eminent Management Consultant
- Shri Sharad Sharma, Former CEO Yahoo India
- Shri N. Sivasailan, IAS, MD Bangalore Metro
- Dr. V.K. Mahana, 1969 Mechanical, former Director, UPSC
- Shri Satish Kumar, Director (Electrical), Delhi Metro Rail Corporation
- Shri S.K. Wiji, 1969 Civil former Member Railway Board

and Chairman Indian Building Congress.

- Shri Karnal Singh, I.P.S., Special Commissioner of Police, Delhi.
- Shri Arun Goel, IAS, Minister of Commerce at Indian Embassy in Tokyo.
- Shri. Suresh Raheja, Managing Director, Raheja Associates
- Shri P.K. Adhlakha, Eminent Architect, Adlakha Associates Pvt. Ltd.
- And many more.

#### Campus Placements of Students:

Campus placement of graduating students of this institution has always been very high. A large number of leading industries and organizations visit the campus each year for campus placement. The batch graduated in 2012, has received 725 offers from highly reputed 165 industries / organisations which visited DTU campus. In academic year 2012-13, 174 top ranking industries, PSUs and MNCs have visited DTU and offered 980 job offers. The highest salary has gone up to Rs. 60 lakhs p.a. The companies which visited DTU this year included EPIC, Microsoft, Deloitte, Samsung, Yahoo, C-Dot, TCS, Wipro, Alstom, TRAI, IOCL, Maruti, Indian Airforce, Mahindra, CISCO, L&T, NTPC, TATA Steel, HPCL, IBM and many more. During the last few years, our graduates have also received excellent placement for higher education in world class Universities such as Stanford, Oxford, Cambridge, MIT, Harvard, Georgia Tech, Carnegie Mellon. DCE as DTU thus continues to surpass the benchmark of its past achievements now that it has the freedom to excel as a Technological University.

DTU continues to remain as one of the most highly sought-after technological institution in the country for admissions to its 15 UG programs, 22 M.Tech programs (which include 05 new M.Tech programs added from 2013-14) and MBA in Supply Chain Management, Knowledge and Innovation Management and Info-System Management. During the year 2012-13 for 1531 seats in B.Tech around



12,000 had registered for admission through online counselling. Likewise, for around 460 PG seats the University had received around 5500 applications. This year 2013-14, already approximately 9000 have registered online for M.Tech programs and approximately 1700 applications have been received for Ph.D programs at DTU. The phenomenal rise in M.Tech and Ph.D applications for DTU clearly indicates the high repute DTU enjoys for its PG and research programs besides being an industry favourite for campus placements of UG and PG candidates of this prestigious University.

### Research and Innovations @ DTU:

- i. A Centre of Relevance and Excellence in Optical Fiber and Optical Communications has already been established under joint sponsorship of TIFAC-CORE, the Department of Science and Technology, Government of India and Government of N.C.T. of Delhi. Major areas of research undertaken by the centre includes Photonic Crystal Fibre, Nano-scale Optical Devices, Design and Development of Dense Wavelength Division Multiplex Optical Communication System (DWDM). The centre has emerged as a major hub for synergy between science and engineering and for promotion of international collaborations for R&D in the area of Photonic Crystal Devices with University of Glasgow, UK and Hokkaido University, Japan.
- ii. A strong material science research group has been created at DTU involving applied Physics and Polymer Science and Chemical Technology. The group has carried out cutting edge research in the areas of Ferro-electric materials, Conducting Polymers and Adhesives, Ion-exchange Materials and Nano Composites. The group has established collaborative R&D with Tokyo Institute of Technology, Japan.
- iii. DTU has a strong Bio-Diesel Research Group which has carried out commendable research and development work in the area of Biodiesel Reactor Design, offered consultancy to the World Bank and has taken major development work for neat Biodiesel Generator Development with YANMAR of Japan. The group has also developed Algae Bio-diesel Reactor and has promoted energy farming.
- iv. DTU has established facilities for info-security research under the Ministry of Communication and Information Technology, Government of India. A major R&D project on Broadband Over Power Lines has been taken up by DTU in collaboration with BSNL, NDPL and Ministry of ICT. Under this project the DTU campus has been tested for installation of Broadband Over Power Lines during the Pilot Program of the project.
- v. DTU has undertaken a large number of sponsored R&D programs in the areas of Optical Communication, Conductive Polymers, Bio-Informatics, Nano-Science and Technology, Broadband Over Powerlines, Robotics and Machine Vision, Digital Systems and Image Processing, Bio-





- Sensors, Bio-Polymers, Single Electron Transistor, Bio-fertilizers, renewable energy etc.
- vi. EDUSAT Studio cum class-room has also been established with joint support of ISRO and Govt. of Delhi, the facility is connected to 51 institutions in the NCT of Delhi. The facility is being currently utilized for transmission of live lectures to the connected institutions and for broadcast of recorded expert lectures, seminars and workshops.
  - vii. The first Hybrid Car of India was designed and developed by the student team of this institution in the year 2005 which has won the first place in the student category in the Green Car competition in US.
  - viii. The first Supermileage Vehicle of India was designed and developed by interdisciplinary teams of students of this institution in the year 2005 which has won the Best Design Award at the world competition organized by the SAE international at Marshall Michigan, USA-2005.
  - ix. The UG interdisciplinary student teams have designed and developed a number of new innovative products which have competed in the international competitions in US, UK, South Africa, Australia and Singapore. These include, the first Formula Student Car of India which won the FISITA Best Design Endeavour Award from SAE International in UK, India's first All Terrain Vehicle, Mini Baja was also designed and developed by the student team here. The ATV has participated in international competitions in South Africa and India.
  - x. The Most Innovative Design of the UAV, Unmanned Aerial Vehicle was also designed and developed by the student team which has received the Most Innovative Design Award - 2006 in International Competition at Georgia, US organized by AUVS International.
  - xi. The AUV, Robotic Submarine has received the Most Improved Design Award - 2008 at San Diego, USA in International competition organized by AUVSI.
  - xii. The Moon Buggy designed and developed by the UG student team has received the Best Initial Design Award - 2008 from NASA in an international competition organized in US jointly by NASA and American Institute of Aeronautics and Astronautics, AIAA.
  - xiii. The UG Student Team has also developed a Liquid Nitrogen Powered Engine and a Car in collaboration with the Nuclear Science Centre, Delhi.
  - xiv. The UG Student Team has also designed and developed an Unmanned Aircraft equipped with surveillance capabilities and won The Directors Award at the international AUVSI competition in 2009 and Aurther Reyes Safety Award in 2011.





- xv. The Next Generation DTU Unmanned Aircraft System has also been successfully designed and developed under the Sponsored Research from Lockheed Martin, USA. The Team DTU AUS participated in the Association for Unmanned Vehicle Systems International Competition at Maryland USA in June 2012 and received a cash prize of \$3500 and was placed in Top 03 from among 30 teams worldwide.
- xvi. The DTU Robotic Shera designed and developed by DTU Students was a major draw during the Commonwealth Games 2010 and also later at the India International Trade Fair, the Delhi Pavilion in November 2010.
- xvii. The DTU Innovation “Dhobi”, the cycle operated Washing Machine earned first prize at the Innovation Contest organised by CII at Pragati Maidan in February 2011. Sh. Vishma Rai the team leader received high appreciation for his low cost innovated product design.
- xviii. The first Solar Car of India DTU “Solaris” has also been designed and developed by the student team of DTU which has participated in the World Solar Challenge in Australia in 2011. This was the only entry from India in this world competition which was participated by a number of world class universities including Stanford, MIT, Cambridge University, Tokai University of Japan, University of Michigan among others. The DTU Solaris was among the top 37 teams which could reach to the final destination within the stipulated period.
- xix. The first Solar Passenger Car of India was designed and developed by DTU student innovators. The Car was flagged off by the Hon’ble President of India from the Rashtrapati Bhawan on 4th September, 2012.
- xx. Currently a good number of student teams are working on innovative projects relating to new and emerging areas of science technology including Organic Solar Cell Development, Clean Energy Technologies, Low Cost Water Recycling Technologies, Conducting Polymers, Nano-Composites and Smart Materials, Robotics and Smart Hovercrafts, etc.





# Delhi Technological University

(formerly Delhi College of Engineering)  
Estd by the Government of NCT of Delhi vide Delhi Act 6 of 2009

**“Delhi Technological University is a non-affiliating teaching-cum-research University engaged in fostering excellence in education, research and innovations in engineering and technology, applied sciences and management”**

The University is inspired by talent and driven by innovations and is firmly committed to provide industry relevant, socially responsible manpower to meet the challenges of 21st Century. The culture of research and innovations is vibrant in the DTU campus which inspires students from UG levels onwards to engage in cutting edge technology development and discover the value and worth of the knowledge acquired by them during their studies. With its illustrious history spanning over 72 years the institution is marching on the pathways of excellence and is one of the highly sought-after university for the inspired students community and faculty.

## Vision

***“DTU to be a leading World Class Technology University playing its role as a key node in National and Global Knowledge Network thus empowering its stakeholders with the Wings of Knowledge and Power of Innovations.”***

In meeting its stated vision, the nature of DTU shall be:

- i. Completely Autonomous.
- ii. A pioneering world class S&T University.
- iii. A University creating synergy between education and research and synergy between science and engineering.
- iv. A change agent to align India’s S&T education to global standards.
- v. Industrially Relevant and Mission Oriented R&D.
- vi. Impacting the Community with innovative solutions to pressing problems.

The DTU Act provides the necessary autonomy to excel in education and research and accelerate the pace of innovations and new product development in areas of engineering and technology, applied sciences and management.





### Mission

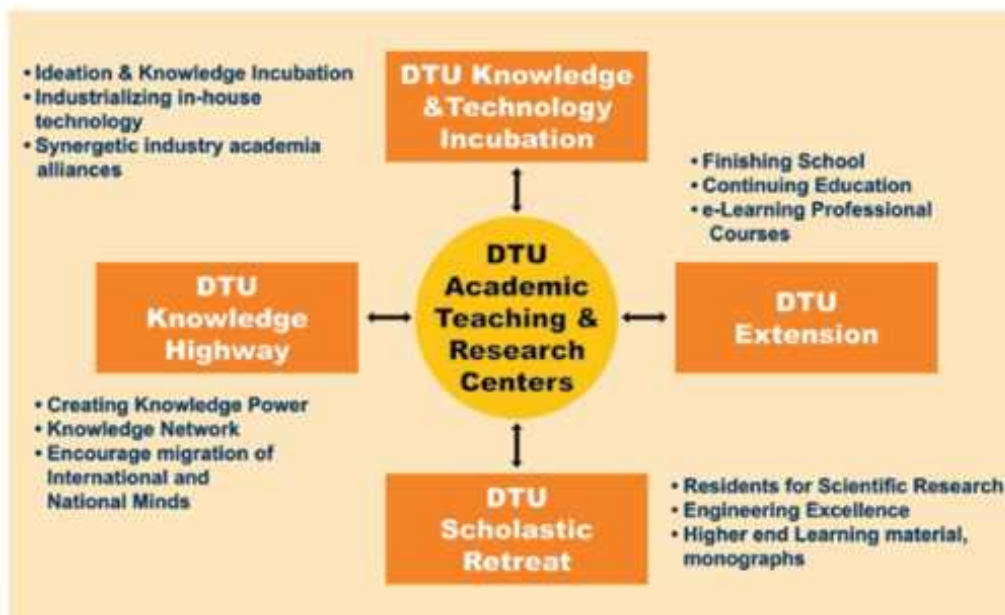
The mission of the DTU is as follows:

- i. Be a world class centre for education, research and innovations in S&T arena, focus on cutting edge technologies for education delivery and foster an environment of seamlessness between science and technology.
- ii. Promote the engineering spirit of product development through effective integration of design engineering and rapid prototyping.
- iii. Emerge as a centre for attracting the best minds both nationally and internationally, from academia and industry.
- iv. Meet the need for engineers and scientists at all levels of tertiary education, UG, PG, and Doctoral levels.
- v. Produce well-rounded, socially responsible, up to date, scientifically tempered, design oriented engineer and scientists capable of meeting the challenges of the new knowledge age.
- vi. To engage into creation of new knowledge and technologies through focus on research, technology

- vii. incubation and innovative product development.
- viii. To provide knowledge infrastructure in line with the best practices in engineering, technology and management education to meet the challenge of knowledge revolution.
- ix. Be able to address the impact of globalization on S&T education.
- x. Operate DTU as a world class Knowledge Enterprise to foster student and teacher led knowledge enterprises.

### DTU Focus on

- Panchsheel of Technical education in 21st Century: Troika of Education, Research and Innovations imbining scientific values and professional morality.
- World Quality Curriculum design and delivery; World Class Knowledge Infrastructure.
- Seamless integration of Science and Engineering.
- Research driven, industry relevant Innovations.
- Network with selected World Class Universities.



## DTU among the Top 10 Best Engineering Institutions June 24, 2013

TOP 10 IN PLACEMENT				
Rank	Name of institute	City	Score (100)	Total score (1,000)
1	Delhi Tech University	Delhi	175.5	873.4
2	IIT Guwahati	Guwahati	169.0	873.9
3	IIT-BHU	Varanasi	168.9	905.3
4	ISMU	Dhanbad	168.2	857.5
5	IIT Kharagpur	Kharagpur	166.9	918.6
6	IIT Delhi	Delhi	165.7	920.1
7	NIT	Surathkal	165.6	858.0
8	IIT Bombay	Mumbai	164.8	918.1
9	NSIT	Delhi	162.3	809.0
10	IIT Madras	Chennai	162.2	904.0

TOP 10 ROI IN GOVT ENGINEERING COLLEGES					
Rank	Name of institute	City	Average Salary (In Thakrs)	Fee in 7thth (Online course)	ROI
1	IIT Kharagpur	Kharagpur	10	2.00	5.00
2	Delhi Tech Univ	Delhi	7.50	1.60	4.69
3	NIT	Surathkal	6.51	1.40	4.65
4	MNNIT	Allahabad	6.02	1.40	4.30
5	Govt Model Engg Coll	Kochi	6.00	1.40	4.29
6	IIT Delhi	Delhi	8.50	2.0	4.25
7	IIT Guwahati	Guwahati	8.10	2.0	4.05
8	NIT	Trichy	6.24	1.56	3.98
9	NIT	Warangal	5.54	1.40	3.96
10	IIT Madras	Chennai	8.90	2.49	3.57

TOP 10 GOVT COLLEGES			
Rank	Name of institute	City	Overall score
1	IIT Delhi	Delhi	920.1
2	IIT Kharagpur	Kharagpur	918.6
3	IIT Bombay	Mumbai	918.1
4	IIT Kanpur	Kanpur	909.0
5	IIT-BHU	Varanasi	905.3
6	IIT Madras	Chennai	904.0
7	IIT Guwahati	Guwahati	873.9
8	Delhi Tech Univ	Delhi	873.4
9	NIT	Trichy	859.3
10	ISMU	Dhanbad	857.5

TOP 100 ENGINEERING COLLEGES										
Rank 2013	Rank 2012	Name of institute	P: Pvt & Govt	City	Selection process (2012)	Academic excellence (74)	Research & Innovation (10)	Placement (16)	Alumni (100)	Overall score (1,000)
1	1	IIT Delhi	G	Delhi	208.3	192.6	164.0	189.5	165.7	920.1
2	2	IIT Kharagpur	G	Kharagpur	200.2	182.3	167.1	192.1	166.9	918.6
3	3	IIT Bombay	G	Mumbai	206.3	194.9	155.2	196.5	164.8	918.1
4	4	IIT Kanpur	G	Kanpur	194.0	203.6	157.1	195.9	160.4	909.0
5	5	IIT BHU	G	Varanasi	202.0	167.2	155.4	191.0	168.9	905.3
6	6	IIT Madras	G	Chennai	202.9	194.3	147.9	196.5	162.2	904.0
7	7	BITs	P	Pilani	192.0	198.3	160.3	191.0	151.1	883.5
8	8	IIT Guwahati	G	Guwahati	202.8	189.2	140.2	172.7	169.0	873.9
9	9	Delhi Technological University	G	Delhi	196.9	175.0	145.9	180.3	175.5	873.4
10	10	MIT	G	Trichy	194.0	184.3	156.3	188.3	154.6	859.3



DTU Solar Passenger Car (India's First Solar Passenger Car) flagged off from Rashtrapati Bhavan by Hon'ble President of India on 4th September, 2012



Team DTU AUV before leaving for participation in the 16th Annual RoboSub Competition, 22-28, July, 2013 to be held at the U.S. Navy's Space and Naval Warfare Systems Center (SPAWAR) TRANSDEC Facility in San Diego, California



Hon'ble Chief Minister, Delhi Smt. Sheila Dikshit, launched first international journal in Software Engineering (SEIJ) of DTU



A delegation from Tokyo Tech, Japan visited DTU for participating in International Symposium on Concentrated Solar Power (CSP): Opportunities for India



Samsung electronics, the leading MNC in cutting edge digital technology has entered into partnership with DTU for joint research and development, industry relevant M.Tech program, paid internship for students and innovation support



Prof. D.P. Agrawal, Hon'ble Chairman, UPSC delivering the Foundation Day Lecture



DTU and DMRC entered into an MoU for Joint Research and Development, Joint Consultancy Projects, Indigenization of Metro Technology, Training and Skill Development, Student Internship & Metro Ph.D Fellowships



Dr. Kiran Karnik, former President, NASSCOM and Mr. Stewart Hong, MD, SIEL releasing the 2nd issue of International Journal of Software Engineering along with Shri R.P. Agrawal, Chairman, BoM, DTU, Shri Sanjay Rai, Vice President, SIEL and Prof. P.B. Sharma, Vice Chancellor, DTU



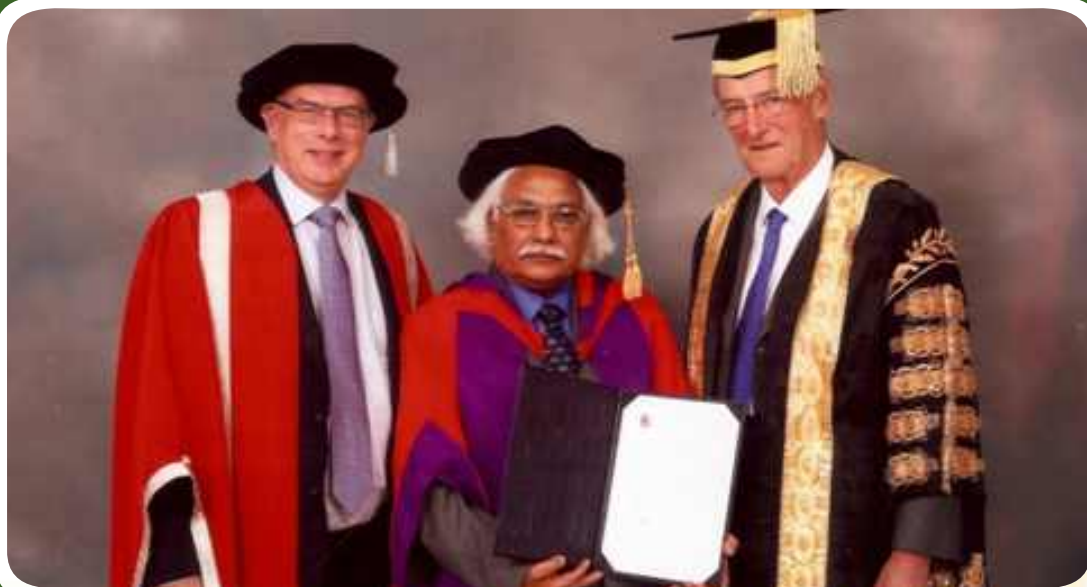
Nobel Laureate Prof. Roger D. Kornberg being felicitated by Shri R.P. Agrawal, Chairman, BoM and Prof. P.B. Sharma, Vice Chancellor, DTU on the occasion of Nobel Laureate Lecture at DTU



Nobel Laureate Prof. Roger D. Kornberg delivering the Nobel Laureate Lecture at DTU



DTU has been awarded “Emerging Technical University of the Year” at the Annual Study World Excellence Awards organised by Study World Education Confluence 2013. The award was given by Dr. Shashi Tharoor, Honourable Minister of State for Human Resource Development, Government of India on July 20th, 2013



University of Birmingham honoured DTU Vice Chancellor with the Honorary Degree of “Doctor of Engineering” on July 3, 2013 at its Annual Congregation



Prof. P.B. Sharma, Vice Chancellor, DTU felicitating Prof. D.P. Agrawal, Hon'ble Chairman, UPSC on the occasion of 3rd Foundation Day of DTU



Padma Shri Dr. V.K. Saraswat, Director General, DRDO and Scientific Advisor to Raksha Mantri, Prof. D.N. Reddy, Chairman (RAC), DRDO, Mr. Abhay Paranjpe, Lockheed Martin, Shri Sanjay Rai, Vice President, SIEL, Shri R.P. Agrawal, Chairman, BoM, DTU and Prof. P.B. Sharma, Vice Chancellor, DTU releasing the International Journal of Advanced Biotechnology and Bioinformatics



Team DTU Solaris at Adelaide, Australia to participate in the World Solar Challenge



DCE Hybrid Car Team with Hon'ble Chief Minister, Delhi Smt. Sheila Dikshit

# ACADEMIC DEPARTMENTS

- Department of Electronics & Communication Engineering
- Department of Computer Engineering
- Department of Information Technology
- Department of Electrical Engineering
- Department of Mechanical, Production & Industrial Engineering
- Department of Civil Engineering
- Department of Environmental Engineering
- Department of Bio-Technology
- Department of Applied Chemistry & Polymer Technology
- Department of Applied Mathematics
- Department of Applied Physics
- Department of Humanities
- Department of Training & Placement
- Delhi School of Management



## Department of Electronics & Communication Engineering

Ever increasing pace of development in electronics, audio and video communications systems and the automation in industry have made an electronic engineer a catalyst for the change of the modern society. Electronics gadgets and communication systems of present age have tremendously improved the quality of life. With the throughout the world, it has become essential to have more efficient communication network with the latest electronic devices and circuits.

Besides giving a thorough grounding in basic sciences and engineering subjects, the curriculum in electronics and communication engineering lays greater emphasis on deep understanding of fundamental principles and state of the art knowledge of Electronic Devices & Circuits, Computer Architecture & Microprocessors, VLSI & Embedded Systems, Electromagnetic Field Theory, Analog and Digital Communications, Digital Signal Processing, Microwave & Broadband Communications, Image Processing, Computer vision, Bio-Medical Signal Processing and Optical Communication.

The Department today caters 185 UG in regular day time and 45 UG students in evening B.Tech program with electives in Computer Communication & Electronic Switching, Fault-Tolerant Computing, Digital Signal Processing, Optical Communication and Communication System. Department offers three M.Tech Programs in Signal Processing & Digital Signal, VLSI & Embedded System and Microwave and Optical Communication. Project and Industrial Training is an integral part of the curriculum and are carried out in frontal areas of technology. The department is equipped with well developed laboratories, such as, Electronics Devices and Circuits Laboratory, Linear Integrated Circuits & BiMOS Laboratory, Computation & Instrumentation Laboratory, VLSICAD/Digital System Laboratory, Microprocessor & Digital Signal Processing Laboratory and PCB Laboratory.

“ curriculum in electronics and communication engineering lays greater emphasis on deep understanding of fundamental principles and state of art knowledge...”



The state-of-art Microwave CAD Laboratory, having specialized facilities for microstrip antenna designing, has received two projects from Indian Space Research Centre. Computer Vision Laboratory is handling a project on “Surveillance Applications” obtained from Naval Research Board and another one on “Development of Sensor Network for intelligent traffic monitoring”



sophisticated equipments and test setup for research work in the area of Micro strip Antenna Design, Sensor Network, Computer Vision, Image Processing, Soft Computing & RF Communication

funded by Department of Science and Technology. The department has developed, in collaboration with the Applied Physics Department, a centre for excellence and relevance in optical communication, i.e., TIFAC CORE Centre in Fiber Optics & Optical Communication.

The Faculty and students of this department have developed a number of instrument system in collaboration with a leading R&D organization namely Transputer based Fault-Tolerant Architecture with DoE, New Delhi, FPGA implementation of Communication Circuits with CEERI, New Delhi and in-circuit Test Development for PLC with Rockwell Automation.

The department has signed Memorandum of Understanding with the reputed Electronics Industries and Research Organisation and with many others, the MoU are under process like freescale, HITEC Robotics, Texas Instruments, ST Micro Electronics, Mentor Graphics, National Physical Laboratory, CEERI Pilani etc. Department has introduced the concept of learning and not just teaching. Department of Electronics has got 1Gbps Internet Connection and is shortly going to have its own web-site. All laboratories will be modernized. A new laboratory of Robotics and Machine vision is being set up in collaboration with IIT Bombay and HITEC Robotics. Department has organised faculty development programs on popular research topics like Pattern Recognition and workshops oriented programs (all self financed) for the student & faculty of our county.

The department is collaborating with the Applied Physics Department of the University and developed a center for excellence and relevance in optical communication, i.e., TIFAC CORE Center in Fiber Optics & Optical Communication.





## Department of Computer Engineering

The quality of life has improved significantly with the advent of computers. PC, Laptop, Internet and Teleconference have become household commodities. Hence, the career prospects of young generation are bright in the various field of computer including networking, software engineering, web designing, multimedia, data mining etc.

The Department of Computer Engineering, established in 1989 has grown significantly in the last twenty years. The Department of Computer Engineering runs B.Tech in Computer Engineering and B.Tech in Software Engineering. Presently, we have intake of 139 in computer engineering and 94 in software engineering. In last decade, Computer Engineering Department has developed state-of-the-art laboratories in the various fields of computer engineering - Computer Architecture Lab, Network Lab, Web Designing Lab, Image Processing and Multimedia Lab, Database Management and Data Mining Lab, Computation and Programming Lab, Operating System Lab, Artificial Intelligence Lab, Software Design Lab, Software Testing Lab. These labs are equipped with latest configuration PCs and are completely networked with latest software.



The curriculum in computer engineering lays greater emphasis on design principles and development of system software for operating systems, Database management systems, data mining, computer graphics and networks. In addition to this requirement engineering, software testing, software packages and CASE tools which are the need of the day are integral part of the course curriculum. Miniaturization in computer technology, audio-video, and image processing, storage and retrieval, data processing, communication and nano-technology etc are going to affect the computer knowledge in the coming decades. The curriculum in the Department of Computer Engineering has been recently revised and state of art subjects such as Advance Computer Networks, Bio Informatics, Grid and Cluster Computing, Data Compression, Natural Language Processing etc have been included as electives. The revised curriculum lays emphasis on nurturing the talent of students for top industries across the globe, for pursuing higher studies and R&D work in national and international universities. Students are trained by covering state of art topics in the industrial training, minor projects and open area seminars.

The department has been offering PG programme in Computer Technology and Applications since 1996. The department started M.Tech in Software Engineering in 2009 and the ME in Computer Technology and Applications has been renamed as M.Tech in Computer Science and Engineering. In 2011, department has started M.Tech (Software Technology) with an intake of 20. The curriculum focuses on the future needs of software industry



in the areas of Design of CASE Tools, Development of Software Testing Techniques and Tools, Design of Quality Software, Machine Learning Techniques and Principles, Multimedia Technologies, swam intelligence etc. The students are doing research work and publishing numerous papers in National/International conferences and journals in the latest areas such as Search Engine, Semantic Web, Ontology, Information System security, Requirements Engineering, Security Engineering, Software Quality and metrics, Data Mining, Mobile Technologies, IP Verification etc as a part of their minor and major project.

The source of our success is our outstanding and internationally recognized faculty members. Besides teaching, the faculty members have been actively involved in various research and professional activities like member of editorial boards of leading journals. There have been numerous publications by the faculty members in international/ national journals/ conferences covering latest areas of research



such as requirement engineering, software quality and metrics, software testing, data mining and machine learning. Several technical books have been authored by the faculty members of the department. The research of faculty members is supported under various research grants funded by AICTE, DST, UGC and CSIR.

The Department of Computer Engineering offers doctoral (Ph.D) degree program. Excellent facilities are available to conduct research and a large number of problems have been taken up in close collaboration with industries. The Ph.D degree is awarded in the areas of Networking, Artificial Neural Network, Speech Recognition, Image Processing, Microchips, Requirements Engineering, Software Quality, Swam Intelligence etc.

The Department firmly believes in imparting the best possible training to its students & so actively seeks research based collaboration with leading organizations. Under University Industry interface at DTU the department is having industry academia collaboration with Samsung Software India Private Limited. Under this collaboration DTU is offering M.Tech (Software Technology) program for their employees and accommodating 2 Ph.D scholars to enhance the industry institute partnership research. The M.Tech program is running successfully and students of first batch are in fourth semester. Also, the department is having a collaborative research program with National University of Singapore to provide international exposure to faculty and students.

The department has a very active student chapter of Computer Society of India (CSI) and contributes significantly in professional activities undertaken by IEEE and IET student chapters of DTU. In order to channelize the tremendous potential of the students, CSI-DTU student branch organizes a technical festival named "PHOENIX" which comprises of several technical events like LAN Gaming, Business Plan, Animation, Web Designing, Algorithm design etc. The department has also recently constituted society of Software Engineering (SSE-DTU) for the



engineers and the researchers in the software engineering discipline. The aim of SSE-DTU is to regularly organize conferences, workshops and technical fests in software engineering related advances and research. SSE-DTU serves as a forum for networking, information sharing, idea exchange and problem solving for the software engineering community.

The department takes immense interest in conducting professional activities such as organizing workshops, seminars and expert lectures to meet the challenges in the IT industry. The department has started an open access, peer reviewed journal titled “Software Engineering: An International Journal”.

Our students are highly sought after by the software industry and many of our graduates and post graduates are holding top positions in IT industry all over the globe. The Department of Software Engineering is proud to enumerate its achievement for the last session as it saw the placement of three students at an enormous package of 60 lacs and the placement rate had been pretty successful with most of the students being placed at reputed company with commendable package. Companies like Google, Yahoo, Microsoft, Amazon, Cisco, Morgan, Stanley, Goldman Sachs, JP Morgan, Future First, NTPC, Gail, EIL, TRAI, and Schlumberger are regular recruiters.





## Department of Information Technology

An amalgam of Computers and Telecommunications, Information Technology has changed the lives of people globally with applications apparent in every walk of life. It empowers the younger generation with knowledge of recent advancements in the IT field and provides them a platform to work in various industries such as banking, insurance, communications etc. Other popular areas that encompass scope for IT and have grown in the recent years are medicine, E-Governance, entertainment and multimedia, scientific research, business intelligence solutions and knowledge discovery in databases. Today, the Indian Information Technology sector continues to be one of the sunshine sectors of the Indian economy, showing rapid growth and promise, accounting for a 5.19% of the country's GDP and employing over 2.5 million people in the sector either directly or indirectly.

The Delhi Technological University offers an undergraduate B.Tech course in Information Technology with an intake of 95 students. Also, to meet the growing demands of present day technologies, the department has started post graduate studies in Information Systems from the year 2009-2010, with an annual intake of 26 students. The B.Tech (Information Technology) course offered by the Department emphasizes on all basic subjects such as operating systems, computer architecture and design, software development, networking, multimedia and graphics, analog and digital communication and computer communications along with various electives related to upcoming IT fields. The M.Tech (Information System) course bestows the post-graduate students with specialized knowledge on information security, mobile communication, biometrics, soft computing, artificial intelligence, digital image processing, computer vision, expert systems and web engineering.

The department has come up with the "Society for IT Engineers" (S.I.T.E) in the year 2010-2011, which aims at encouraging students to be part of active working teams in practical industrial projects and technical work, enabling them to expand intellectually so that they can make in this challenging industry and helping inculcate temperament of IT among students as professionals.

Ministry of Communications and Information Technology, Govt. of India has identified Information Security as one of the thrust areas and has entrusted the department of Information Technology, Delhi Technological University to set up an inter-ministerial working group on Information Security Education and Awareness Program. The aim is to recommend an action plan and strategy for Human Resource Development in the area of Cyber Security/Information Security, thus leading to indigenous hardware and software capabilities in the core of Information Security.

Information Technology is essential for banking, insurance, communications, medicine, governance, entertainment and multimedia, scientific research, business intelligence solutions and knowledge discovery in databases.



In order to keep in sync with industry trends, the department has organized a workshop recently in collaboration with Sapient Technologies for final year and pre-final year students for updating them with the current industry scenario and placement. A similar initiative was undertaken with Infosys technologies for conducting a road show. The Department has recently played host to the Microsoft Student App development contest for designing apps in the Windows 8 platform, which saw an immense response from young application designers and engineers.



The department also has a project “Unmanned Aircraft Systems in an autonomous aerial vehicle development”, which is carried out by the multidisciplinary students of DTU in collaboration with LOCKHEED MARTIN, a U.S. company.

The department provides well-equipped and well-connected state of the art laboratories in the areas of Web engineering, Computer Networking, Advance Signal Processing, Information Security, etc. apart from various other already existing laboratories. Department of IT is in the process of setting a new research-based laboratory “Biometric Lab”. Biometrics deals with physiological and behavioral data of human beings (or living species in broader sense), which is one of the most authentic data. It plays an important role in information security and makes thrust area for research. This lab will be largely devoted to study and develop technologies for identification of individuals using biological traits, such as those based on retinal or iris scanning, fingerprints, face recognition, voice recognition etc.



Further plans for advancement and expansion of the research in the areas of information security, computer networks, evolutionary computing, knowledge discovery in databases and other IT related fields shall be undertaken in the near future.



## Department of Electrical Engineering

The Department of Electrical Engineering has significantly grown from its inception. With the advent of growth in Industrial Electronics, Industrial Communication, Energy Sources and their Utilization. The department has developed an important place in the National Capital Region of Delhi. The Department has an annual intake of 140 and 95 students in B.Tech Electrical Engineering and Electrical and Electronics Engineering, respectively. The Department is also offering B.Tech (Evening) with annual intake of 46 students. At the post Graduate level M.Tech programme in Control and Instrumentation and Power System with annual intake of 48 students. In addition to the above significant numbers of research scholars have been admitted for Ph.D program. The department is introducing part time (evening) PG program in Power Electronics and Drives and Electrical Energy Systems from 2012-13.

The Department offers diverse area of research including Intelligent Control, Optimization, Power Quality, Renewable Energy Sources, Smart Grids, Power System Operation and Control, Power System Dynamics and Stability, Flexible A.C. Transmission Systems (FACTS), Electrical Drives and Hybrid Electric Vehicles. To cater the needs of experimentation and R&D activities, the department has ten well-equipped laboratories in the area of Electrical Machines, Power Systems, Power Electronics, Control Systems, Process Control, Computers, Microprocessors and Instrumentation & Measurements. The laboratories are equipped with sophisticated equipments, tests setups, FPGA based data acquisition system, embedded controllers, Digital Signal Processors, Medium power Inverter-converters, various Electrical Drives, PLCs, Power analyzers, spectrum analyzers, etc to name a few. Some sponsored projects have been carried out/ being carried out in the area of FACTS, Induction Generators and Electric Drives with the grant from AICTE and a project on Broadband on Power lines executed with NDPL, sponsored by Department of Information Technology, Ministry of Communication & Information Technology. The Department is also engaged in consultancy in various field of Electrical Engineering.

....offers research facilities for Intelligent Control, Optimization, Power Quality, Renewable Energy Sources, FACTS, Electrical Drives and Hybrid Electric Vehicles



Faculty members of the department have published more than 210 papers in International and National Journals of repute and Proceedings of National and International Conferences in last five years. The department regularly contributes research papers in



IEEE Transactions and IEEE Proceedings, Journals in Electrical Engineering from Elsevier Sciences, etc. Each year many research papers are presented in various international and national conferences. The department also generously contributes in professional activities undertaken by IEEE and IET Delhi chapters. Several popular technical books have been authored by the faculty members of the department. Some faculty members have acquired patent for their research. The department plans to have new laboratories for Testing, Calibration & Standardization, Photovoltaic and Energy Storage, Power Quality & Energy Conservation, Electric Drives, Industrial Automation, Bio-Instrumentation, Distribution and Automation Centre and SCADA systems.



The Department has conducted two weeks AICTE sponsored staff development programme on “Flexible A.C. Transmission Systems and Voltage Stability: Recent Advances” during July 11-22, 2011. A National Conference entitled “National Electrical Engineering Conference” on the theme Power & Energy Systems for Tomorrow was organized on 16-17th December 2011. IEEE India International Conference on Power Electronics (IICPE) is being organized on December 6-8, 2012. An International Electrical Engineering Conference ( I E E C - 2 0 1 3 ) is proposed to be held in October 2013.

The Department is hosting International and national conference, workshop and invited lecture series every year. It is the agenda of the department to further augment the professional activities. The department also owes to take-up the challenges of providing efficient Electrical Systems and Energy Sources. The students are motivated for technical and creative activities besides classroom teaching and laboratory exercises through technical fests like TROIKA organized under IEEE student’s chapter. They are also encouraged to participate in various group learning and discussion activities in addition to presentation of seminar and term paper presentations on individual basis. Emphasis is laid on computer based assignments through modeling and simulation of various Electrical Systems in well-equipped laboratories.

plans to have new labs for Testing, Calibration & Standardization, Industrial Automation, Bio-Instrumentation and Distributed Generation & Energy Conservation

## Department of Mechanical, Production & Industrial Engineering

The Department of Mechanical, Production & Industrial and Automobile Engineering has seen considerable growth since its inception in 1941 with the intake rising from 30 to 328 (186 for Mechanical, 48 for Production & Industrial Engineering and 94 for Automobile Engineering). The department of Mechanical Engineering also offers Post Graduate courses with specialization in Thermal Engineering (total intake of 25 Students) and in Production Engineering (Total intake of 25 Students). This year department has also started Post Graduate programmes with specialization in Computational Design (Total intake of 23 Students) and in Renewable Energy Technology (Total intake of 23 Students). The department is fully equipped with modern facilities and labs including newly developed design centre having state of art technology to meet the current and future requirements of industry and academics. Ph.D Programs in all frontal research areas are also offered. The Department also offers four years' B.Tech Programme for working Diploma Engineers with an annual intake of 46 students.

The department possesses modern laboratories equipped with latest experimental set-ups and research facilities for instrumentation, experimental stress analysis, strength of materials, fluid mechanics, I.C. engines, automotive engineering, robotics, heat transfer, solar energy, flexible manufacturing system, computational fluid dynamics supported by software like view-flex, CAD-CAM and I.C. engine design. Cad Lab has softwares like NX-LAD, NXCAM, AUTOCAD Inventor, Catia, Techomatix, Abaqus, Lsydyna, NX-Nartran, Hypermesh, Hyperworks, MD-ADAMS, Dynaform, MATLAB, SOLIDWORKS etc. Fluent software is available in the CFD centre. Newly developed design centre has softwares like LS-DYNA, SOLIDWORKS, Symbols-Sonata and likely to add 3D printer (rapid prototyping) very soon. The department has developed eco-friendly technology using alternate refrigerants in the RAC lab for mitigating global warming and Ozone depletion.

Research and development is facilitated by NT enabled workstations and competitive robots with digital controller. In addition; microprocessors, micro controllers, PLC, spectrum analyzer and logic analyzer are also available for students' project work. The department has a modern workshop equipped with latest machinery in Fitting, Machine shop and facility of welding shop comprising of pulse TIG, ultrasonic welding and submerged arc welding. The students are given hands on experience on CNC Milling & CNC lathe machine. Apart from these machines, EDM & wire EDM machine are also used for training of students. Most modern labs and research facilities for fluid mechanics, IC engines, automotive engineering, robotics, solar energy, flexible manufacturing system are also

modern laboratories and research facilities for fluid mechanics, I.C. engines, automotive engineering, robotics, solar energy, flexible manufacturing system, facilitated by NT enabled workstations and R&D competitive robots with digital controller



established in the department. Industrial Engineering lab has SPSS, Witness and Lingo 7 softwares for tackling industry relevant problems.

The department is known world wide for its research in the area of alternative fuels; bio-origin fuels in particular. Different species of TBO and non edible oils such as Jatropha, and Karanja are converted to biodiesel



confirming to ASTM D-6751 using most modern production facilities. Centre for Advanced Studies and Research in Automotive Engineering has developed small to medium capacity bio-diesel processing units. The research projects sponsored by different government organization and industry such as Ministry of New and Renewable Energy, Govt of India, and Petroleum Conservation Research Association, Yanmar Co. Ltd., Osaka, Japan had been completed at the Centre. An Indo-Spanish Collaborative Research Project Application of supercritical technology for the synthesis of biodiesel from nonedible oils (*Jatropha curcas* and *Pongamia pinnata*) using heterogeneous catalysts in collaboration between Delhi Technological University

and University of Murcia, Spain is under progress at the centre. The centre has also been consultant to World Bank Funded Project “Fences for Fuel”. The students from the centre have participated in renowned International conferences such as SAE World Congress and presented their research findings. The centre has most modern analytical facilities along with vast number of engines for carrying out exhaustive studies on variety of alternative fuels. The students at the centre also developed an indigenous PEM fuel cell which is first of its kind in India.

The department has also carried a research project titled “Development of Ice slurry production Technology” under research promotion scheme by AICTE. A project for production of biodiesel from waste cooking oil (generated in hotels & restaurants etc) has also been awarded by Department of Health and Environment, Govt. of NCT of Delhi. The department also organizes invited lectures, conferences and short-term courses for the benefits of students and faculty members.

The Mechanical Engineering Department has an active SAE student chapter, a first in India and one of the largest student chapters in the world. This is the only student chapter which takes part in almost all student vehicle design competitions of SAE like Formula Students, Mini Baja, and Super Mileage besides other international vehicle design competitions. Formula Students car developed by the students of the department participated in the international competition held at Silver Stone Circuit, U.K. in July 2012. The students of the department have taken a keen initiative in development of a solar passenger car (Solaris) which participated in South Africa Solar World Challenge 2012. The Mini Baja team participated in SAE-mini Baja-2012 at Auburn University, USA and won



appreciation and accolades. The students have also participated in the competition conducted by NASA USA men paddled moon vehicle by the name MOON BAGGI and CHANDER YAN, where DTU students have won prestigious awards. The department also has ISHRAE, ASME, IMechE student chapter. Under the aegis of these student chapters, industrial visits and specialized lectures are conducted on regular basis.

The department has well qualified faculty members, who produce numerous publications in national/international journals of high impact factor, highlighting the emphasis on research and development. The department has made strides in percolating the research culture even among UG students besides PG students and large number of publications and patents are filed by the students. Considering the growing need to protect the environment, the students of the department are working on carbon sequestration techniques and also working on algae multiplication with a view to reduce carbon foot print. The photobioreactor developed by the department is first in India and exhaustive research work on mass propagation of algal biofuel is carried by students.



### Ph.D Programs

Scholarships are available for research and development in the areas of Turbo Machinery, Fluid Mechanics, CFD, Thermal Engineering, I.C. Engines, Industrial Engineering, Supply Chain Management, Solar Energy, Bio Fuels, Power Plant, Robotics, CAD/CAM, ANN. GA & welding, Production Engineering, Machine Design, System Dynamics, Structural Vibration, Modeling & Simulation, Refrigeration and Air conditioning, Cam/Automation, Advanced Manufacturing Process, Human Factor Engineering, Automobile Engineering, Machine Design, Industrial Management.



## Department of Civil Engineering

Traditionally Civil Engineering has played an important role in improving the civic life of society by harmonizing the natural resources available on earth. The major areas in the field of Civil Engineering are design and construction of various structures like bridges, buildings, roads, tunnels and dams, developing new construction technologies, Design and development of foundation systems, Geotechnical Engineering, Transportation and Traffic Engineering, Municipal and Sanitary services, surveying, GIS and remote sensing, and Hydraulics and Water Resources Engineering. Also, Civil Engineers have found an important role in some newer areas like design and construction of waste containment systems, disposal of high level nuclear wastes, and protection of groundwater resources. In recent years Civil Infrastructure development that is resulting into development of newer type of foundation solutions, treatment of natural soils, and development of newer materials. Further, the role of specialized geotechnical engineers is vital and relevant for any structure to stand and stable on a suitably designed foundation system. Transportation engineering deals with the planning, design and construction of roads, railways, airport, dock and harbours, as well as controlling and regulating the traffic flow. Broadly a civil engineer is expected to do planning, research, design and construction of buildings and roads; traffic and transportation, irrigation and power, water supply and sewage disposal, dam and reservoirs, ports and harbours, airways and navigation, treatment of industrial wastes and disaster mitigation.



Besides the basic and engineering sciences, the curriculum in civil engineering covers various professional subjects on structures, foundations, construction, works management and cost, transportation engineering, irrigation engineering, hydraulics and earthquake technology etc.

The intake at undergraduate level in the Department during the current academic year is 122 in Civil Engineering. The Department offers M.Tech degree level programmes in Hydraulics and Flood Control, Structural Engineering, and Geotechnical Engineering. The ME programmes now called M.Tech



Programmes, for the last 30 years, have contributed significantly to the manpower development in highly relevant areas of national importance.

The department also provides opportunity to working engineers for upgrading their qualification under Continuing Education Programme on part time basis, these programmes are: M.Tech in day time, and B.Tech in evening time.

The UG curriculum is broad-based and designed to introduce the students with a wide range of problems encountered by civil engineers. Electives, self study courses, and independently conducted projects are offered in the pre-final year and final year to enable the students to develop additional depth in the areas of special interest to them. Survey camp and practical training which are part of the curriculum, aim to expose the students to actual field problems. Laboratory experiments, computer aided analysis, design & drawing and the tutorial classes are held to build confidence in the students.



The Department is well equipped with laboratories related to Structure, Concrete testing, Soil Mechanics, Highway Engineering, Experimental Stress Analysis, Computational Mechanics, Education Technology, Photogrammetry and GIS facilities and Hydraulics laboratories. The department undertakes to organise special lectures and discussion by eminent persons from the field and industry.

The department has established a student chapter namely “SEM DCE Student Chapter” with the society for Experimental Mechanics, USA. The interested students are encouraged to become member of SEM DCE Students Chapter. Keeping in view the requirements of personality development of the students, the department has started in 2009, the Society of Civil & Environmental Engineers (SCEE).

The department of Civil Engineering lay greater emphasis on quality research of industrial design and development. Excellent facilities are available to conduct research for the award of Ph.D. degree in the disciplines of Civil Engineering, Structural Engineering, Structural Dynamics, Earth Quake Engineering, Water Resources Engineering, Experimental Mechanics, Geotechnical Engineering and other interdisciplinary areas.



## Department of Environmental Engineering

The Department of Environmental Engineering has witnessed significant growth since the inception of Environmental Engineering programmes at postgraduate (ME / M.Tech since 1972) and undergraduate (BE / B.Tech since 1998) levels. Since then, the department strived ahead to develop a capable and well trained task force of environmental engineers. Realising the need for a strong academic and research base in the subject, the University established an independent Department of Environmental Engineering in 2012.

The Department admits student for B.Tech, M.Tech, & Ph.D programmes in Environmental Engineering. The present intake is 62 in undergraduate (B.Tech) and 20 (full time); & 8 (part time) in postgraduate degree (M.Tech) course. The academic curriculum of the department is based on an amalgam of mandatory, electives, independent projects, and industrial internship. The department has a strong research infrastructure with six well equipped, state-of-art laboratories with all modern instrumentation and experimental setup. Currently, the department is actively engaged in research projects in the area of water treatment, air pollution control, Bioremediation, Noise pollution control, and contaminant transport & modelling.

The department has nurtured a compatible research atmosphere and has attracted the research projects from Department of Science & Technology (DST), UGC, AICTE etc. The department is actively engaged in offering environmental consultancy service to various industries, NGOs, Govt. departments like PWD, CPWD, NDMC, MCD, DDA, and Irrigation and Flood Control Department.

In order to strengthen the academic environment and institutional ties, the Department has collaboration with Central Pollution Control Board, National Physical Lab, Delhi Pollution Control Committee, DRDO, and La Trobe University Australia for student and faculty exchange, collaborative research projects, and training/internships. The department has held various seminars and conferences of national and international level in collaboration with UNESCO, University of California, AITS, Ministry of Environment & Forest, and NGOs for training and capacity building of employees and community service. The Department has impressive industry interaction and placement records with a numbers of students placed in NALCO, CPCB, Maruti, TERI, Michelin, Yamaha, GAIL, NTPC, and in various foreign Universities.





## Department of Bio-Technology

The Department of Biotechnology was established in the year 2004 with a mission to create fusion of engineering and life sciences that promotes scientific discovery and development of new technologies through research and education. The focus of the department is on basic research in modern biotechnology, molecular basis of life processes and bioinformatics. The department admits students for Bachelor of Technology (B.Tech) in Biotechnology and Master of Technology (M.Tech) in Bioinformatics. Besides basic and engineering sciences, the curriculum covers various subjects of Biotechnology.

Currently, the department has 10 faculty members. The department has an intake of 34 undergraduate students and 56 postgraduate students. Research interests of the department are Biomaterials, Immunology, Bioprocess technology, Enzyme technology, Plant Biotechnology, Bioinformatics, Genome Infomatics, Biomechanics, Stem Cell Biology, Geonomics and Proteomics, Tissue culture and Drug Design. The department has sponsored projects amounting to nearly 3 crores from various agencies including ICMR, SERB, DBT and CSIR, and has developed modern research facility and infrastructure to support the teaching and research activities.

The department organized a corporate meet on Knowledge Park and a national seminar on Biotechnology & Bioengineering (2007) and national symposium on Biotechnology (NaSbi-2010) in which distinguished speakers from CSIR, DST, ICGEB, IIT, AIIMS, IGIB, JNU and renowned companies like Monsanto and Biocon delivered plenary lectures.

The department has started annual departmental magazine, ALLELE, and invites recent achievements and articles for the same.



The students of the department organize a technical festival KARYON every year. They organize several technical, biotechnology and management related events on national level. KARYON-13 witnessed the presence of several eminent speakers including Prof Vani Brahmachari (ACBR, DU), Dr Ashwani Pareek (JNU), Dr Vinod Scaria (IGIB-CSIR) and Dr Anshu Bhardwaj (CSIR-OSDD).

The department has recently launched the International Journal of Biotechnology and Bioinformatics (IJABB) edited by Prof Samir K.



Brahmachari (Director General, CSIR) (Editor-in-Chief) and Dr Yasha Hasija (Assistant Professor, Department of Biotechnology, DTU) (Executive Editor).

### Objectives of the Department are:

i. To provide state of art expertise in various aspects of biotechnology, ii. Develop expertise in Bioinformatics, iii. Research for the benefit of human kind to develop effective interactions with industries involved in biotechnology and bioinformatics, iv. Knowledge dissemination through seminars, symposia and short term refresher courses at national level, and v. Industrial consultancy and Industry-University partnership in Biotechnology.

### Facilities at Department

i. A Bioreactor (10 litre capacity) fully equipped with Automatic Control along with Computer data Acquisition of Analysis Software, ii. Gas liquid chromatography, Ultrafiltration Systems, UV-Vis Spectrophotometers, Atomic Absorption Spectrophotometer, Ultracentrifuge, Refrigerated Centrifuges (low and high speed). Viscometer with PIV computer, Vertical autoclave, iii. Incubator hybridizer, Lyophilizer, iv. Analytical Ultracentrifuge, Protein Electrophoresis Apparatus, v. Chromatographic and Electrophoretic Separation Systems for DNA and Proteins, Ultra Low Freezers (-20 Degree Celsius, -80 Degree Celsius), Dark room facility, ELSIA Reader, Gel dryer, Gel documentation unit, Polarimeter, Gas chromatography, vi. Humidity and Temperature controller, UV trans illuminator, Laminar flow, PCR, vii. Optical Microscopes, Microtome Crystat, Tissue bath, viii. Millipore Ultra Pure Water unit, ix. 30 machines connected with internet to perform computation and simulation work, x. Sonicator, xi. COD meter, and xii. Environmental Chamber.





## Department of Applied Chemistry & Polymer Technology

The department has contributed significantly to higher education and research in the area of Applied Chemistry and Polymer Technology. Since 1998, the department is offering four year B.Tech course in Polymer Science & Chemical Technology. The annual intake of B.Tech students is 62. The department is also offering M.Tech course in Polymer Technology since 1986. The annual intake of M.Tech student is 28. The new syllabi of B.Tech & M.Tech programmes have been implemented from the academic year 2010-11. The department admits a few research scholars with DTU scholarships. Both B.Tech & M.Tech courses are interdisciplinary to prepare the technical manpower for chemical and polymer Industries. The department has 13 regular teachers and one teacher on lien at the moment. In addition, a good number of expert visiting faculty delivers lectures to B.Tech & M.Tech students on hourly basis.

The department has 15 well-established laboratories on Applied Chemistry, Polymer Chemistry, Polymer Synthesis, Polymer Testing & Characterization, Polymer Processing, Chemical Technology, Chemical Reaction Engineering, Textile Technology, PG Lab, CAD Lab, Research Labs, etc. B.Tech & M.Tech students carry out their minor/major projects in these laboratories jointly with experts from industry and teachers of the department.

The department has undertaken numerous sponsored projects funded by AICTE, CSIR, UGC, DRDO, DST, BARC etc. The department has produced more than 50 Ph.D's, 300 PG and 450 graduate students. The teachers of the department have published nearly 350 research papers in national and international journals. The faculty has written text books on Applied Chemistry, Latex Technology and Polymer Composites. The department had organized Curriculum Development Workshops and updated B.Tech & M.Tech Syllabi through SRC of Academic Council, DTU.

The department conducts annual technical festival TATVA in which the students and experts from industry participate in academic deliberations to enhance Industry-Institute interactions. Such useful interactions help the students for industrial training and job placements. The department has established world-class laboratories for undertaking joint research projects with industries and international universities.

Currently, the department is undertaking R & D projects in the areas of Biopolymers, Nano Composites, Conducting Polymers, Polymer Blends & Composites, Bioactive compounds, Bio organic, Bioinorganic, Gene Delivery, Natural Products and Total synthesis etc. The Department has undertaken an India - Japan joint research project on conductive helical materials for technological applications. The Department has international student chapter of Society of Plastic Engineers, USA and Indian Plastics Institute (IPI) so that students interact with global scientists & industrialists in area of Polymer Science and Technology.

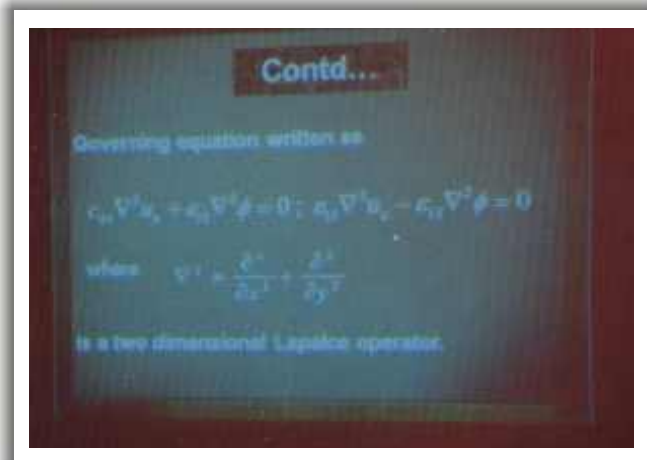


## Department of Applied Mathematics

Mathematics is the base of all engineering as well as technological branches. A sound knowledge of mathematical tools makes a technocrat to excel in his/her profession. In fact the “Industrial Mathematics”, a branch of Applied Mathematics, which is relevant for contemporary technological problems, is not only the queen of all sciences but is also the mother of all technologies.

The Department of Applied Mathematics offers courses to undergraduate and postgraduate students of various engineering disciplines. The syllabi have been designed in the areas of Applied Mathematics, Computational techniques, and Statistics to impart sound knowledge of various mathematical tools and their applications in the engineering disciplines.

To keep pace with the growing technologies which are resulting in more and more complex phenomena requiring high precision result, the department of Applied Mathematics plans to offer a 4 year B.Tech course in Mathematics and Computing from the academic session 2011-12. The scope of the course will cover the fields such as Computer science, Engineering computations, Financial Computations and of course a profound knowledge of the Mathematics. The prospect of the course lies in the core engineering industries, software field and the financial sectors. The course will also make a sound foundation for the students willing to pursue Higher education in the discipline of Engineering, Finance, Computational Mathematics, as well as Management. The Department of Applied Mathematics is well equipped with computer lab and competent faculty with diversified specialization.



### Research Activities & Full Time Ph.D Program

The department has the expertise available in the following research areas of current interest: Information theory and its applications, Graph theory, Numerical simulation, Relativistic Cosmological models, Complex analysis, Algebra and Approximation theory, Numerical analysis and computational methods for PDE, and Bio Fluid dynamics. A few full time Ph.D scholarships are available in the above mentioned fields.



## Department of Applied Physics

Applied Physics Department is providing cutting edge research, innovation and education in the emerging areas of science and technology. As a result, this department offers:

- i. **B.Tech in Engineering Physics:** This program covers the various interdisciplinary areas in physical sciences and emerging areas of engineering such as Nano Science and Technology, Plasma Physics, Microelectronics, Photonics, Quantum Information systems and Robotics etc. The program in Engineering Physics equips students with the fundamental knowledge of physics together with problem solving skills and understanding, which allows them to seek innovative careers in today's fast changing technological age.
- ii. **M.Tech in Microwave and Optical Communication Engineering:** This program is offered from Applied Physics Department in association with Electronics and Communication Engineering Department. This program is designed and developed as an outcome of the establishment of an advanced R&D center called "TIFAC-Center of Relevance and Excellence in Fiber Optics and Optical Communication" under Mission REACH program of Technology Vision 2020, Govt. of India. This program equips young engineers and scientist to design, develop and innovate the new and changing configuration of microwave and optical fiber based telecommunication systems and networks.
- iii. **M.Tech in Nano Science and Technology:** This program is offered from Applied Physics Department from the academic year 2009-2010. The curriculum has been designed in a manner so that students are trained to various aspects of Nanomaterials, their latest development, synthesis and characterization including the design and development of nano scale optical and electronic devices. This program equips young engineers and scientist with diverse background to excel in the emerging areas of nano science and technology. Students of M.Tech (NST) have the opportunity to do their projects and internships at National Physical laboratory under DTU-NPL collaboration program.
- (iv) **M.Tech in Nuclear Science and Engineering:** Our new M.Tech program in Nuclear Science and Engineering deals with designing, implementation, and maintenance of different systems that are related to nuclear fusion and nuclear fission. Nuclear engineers are those significant professionals who make this world a better place to live in for the mankind by





harnessing the power of the atom and making it useful through transferring energy to power houses and businesses without producing greenhouse gases.

Along with these academic programs, the department of Applied Physics is known for its academic excellence and enthusiastic R&D in thrust areas leading to large number of research publications in the leading national and international journals of high impact factors. Besides these, the Applied Physics Department is providing sound science base courses related to Applied Physics and Engineering Materials for all branches of B.Tech students in their first and second semester.



The department has well equipped laboratories to support teaching programs for B.Tech and M.Tech students, where experiments are designed to broaden the experimental skills of the students. Currently, over a dozen of full time Ph.D students are pursuing their doctoral level research work for Ph.D degree in the general areas of material science and photonics. The major areas of research of Applied Physics Department are: Material Science, Plasma Physics, High Power Microwave Devices, Nuclear Science and Engineering, Atomic Physics, Fiber Optics and Optical Communication covering all branches of Photonics, Thin Films, Ferroelectrics, Quantum Electronics, Carbon Nano Tubes, Photonic Crystal, Metamaterials and Plasmonic Solar cells, Microelectronics & Semiconductor Device Modeling, FPGA Design and Synthesis, Laser Spectroscopy, Stark Spectroscopy etc.

Department of Applied Physics has well equipped R&D Labs: Thin film & Material Science Lab with many equipments including Bruker Advanced X-ray diffractometer and Hitachi's Scanning Electron Microscope with EDS facility (central facility), Fiber optics and Communication Lab, Advanced Computational and Design Lab with ultra modern computational facility to design and simulate nanophotonic devices with state of art software tools, Advanced Optics Lab with (a) Electro-optic (b) Acousto-optic (c) Magneto-optic (d) Non-Linear optic effect based experimental set ups, Microelectronics Research Lab, Digital Electronics Lab with Modules for Logic Gates, A/D and D/A Converter, Multiplexer, Decoder, Signal Generator, Power Supply etc. Microprocessors and Interfacing Lab with training kits:

Major sponsored projects running in the Department at present:

- (I) Fund for improvement in Science and Technology Infrastructure-FIST Project, Department of Science and Technology, Govt. of India 2012-17, (ii) TIFAC- Center of Relevance and Excellence (CORE) in Fiber Optics and Optical Communication Under Mission REACH Program of Technology Vision-2020, Govt. of India, 2005 and onwards, (iii) Theoretical investigations for correlating the plasma parameters with the growth, structure and field emission properties of carbon nanotubes (CNTs) (2009-2013), (iv) Microstructural and Electrical



Investigations of strontium Bismuth Tantalate Nano Crystalline Ferro Ceramics, Major Research project, University Grants Commission, Govt. of India, 2011-2014, (v) Development of efficient and environmental friendly phosphors and nanophosphors for white light emitting diodes, Research Project, Government of India, Department of Atomic Energy and Board of Research in Nuclear Sciences (DAE-BRNS), BARC, Mumbai, 2011-2014, (vi) Development of Experimental procedure for growth of single crystal diamond (for jewellery) by using MPCVD system.

Engineering Physics students at Delhi Technological University has founded Deltech Engineering Physics Technological Hub (DEPTH), an undergraduate society where all sorts of events, including Technical Paper Presentations, guest lectures, holding seminars, debates etc are organized. The society has its very own e-newspaper "THE ENGINEERING PHYSICS TIMES" which is edited and maintained by its council members.

Department of Applied Physics has the students chapters of (i) International Society for Optical Engineering (SPIE)-USA and (ii) Optical Society of America (OSA)-USA. Photonic Design Center is established in the Applied Physics Department as a part of National Program on Micro and Smart Systems (NPMASS) which is being coordinated by Indian Institute of Science, Bangalore.





## Department of Humanities

The Department of Humanities offers courses in communication Skill, English, Economics and Accountancy for engineering and management students in an effort to train them for the global economic environment of the 21st Century. Besides giving them in-depth understanding of the labour market in which they are expected to work as well as emerging employment trends among engineers, students are sensitized towards the specific technological needs of urban slums and rural areas and socio-economic impact of engineering projects on the masses. A conscious effort is also made to develop very good communication, interpersonal and business skill among the budding engineers. To achieve this, class room teaching is supplemented by market survey and analysis, paper presentation, group discussion etc.

Faculty Members frequently participate and present their research papers in the national and international seminars / conferences. The Department organizes seminars and invited talks for the benefit of students.

Communication Skills helps them in understanding the nuances of English language. It enables them in gathering those much-needed presentation skills and communication techniques which provides a competitive edge. Not only does it help them in developing proficiency in English, it also makes them aware of the changing global trends and demands in the world of English language.

Economics at B.Tech, MBA and Ph.D level, is another attempt to sensitize the students to address the growing responsibility of engineering hubs towards urgent business needs. At one hand, the syllabus introduces them to the labor market and emerging employment trends, efforts are made to co-relate their theoretical learning with the immediate environment. The classroom teaching encompasses a range of conceptual training which is supplemented by market analysis, paper presentations, and group discussions, further enhanced by a well equipped laboratory.

The Ph.D programme (begun in the year 2006-07) is multifaceted and tries to capture several aspects of engineering education/ engineers. Few Fellowships are available for full-time Ph.D programme. The department has expertise available in the following areas of research:

- Women in Engineering Education, and
- Education and Skills Development for Inclusive Growth

The department is in the process of setting up Language Laboratory which will expose the students to TOEFL and GRE model of training and practice. By learning correct pronunciation, accent and intonation, students will improve their communication skills and learn different variations in English expressions. It is also proposed to start an M.Sc in Economics and Linguistic courses in German, French, Japanese, Chinese and Russian.



## Department of Training & Placement

The Department of Training and Placement is the backbone of any institute. From the very beginning, Delhi Technological University (Formerly Delhi College of Engineering) has laid greater emphasis on industrial training and corporate exposure. To strengthen this the students are introduced to industrial practices through multiple summer and winter training programs in the industry as well as research institutions.

The demand for University's graduates has always been very high and in the recent years it has increased exponentially. Large numbers of students have been accepted by several foreign companies in all continents for summer and winter Training with financial assistance.

Employment of the students has always been University's major concern. The consistent Placement records of the students are an indicative factor that the University is having very fruitful and meaningful relations with the corporate world. **The University has been ranked FIRST in placements in OUTLOOK-MDRA survey of best engineering institutions including IITs and NITs.**

Campus placement of graduating students of erstwhile DCE (now DTU) has always been exemplary. A large number of leading industries and organizations visit the campus each year for campus placement. The batch which graduated in 2013 has received impressive placements through campus. The highest International salary has reached to its peak at 60 L.P.A while the highest domestic salary has reached 22 L.P.A. The companies which visited DTU in recent years includes all major MNCs including Microsoft, Google, Facebook, Bank of America, Mckinsey, JP Morgan, Nvidia, Qualcomm etc and India's leading companies like Tata Steel, Tata Motors, Samsung, L&T and major PSUs like Indian Navy, Indian Air Force, NTPC, BPCL, IOCL and GAIL, etc. The Graduates have also received excellent higher educational opportunities in world class Universities such as Oxford, Cambridge, MIT, Harvard, Stanford, Georgia Tech, Carnegie Mellon. DCE as DTU has surpassed the benchmark of its past achievements now that it has freedom to excel.

Further, international professional societies like IEEE, SAE, IET, SPIE and Indian societies like ASME, SCEE, CSI, SITE, SSE and DEPTH maintain an active presence at Delhi Technological University, lending knowledge, experience and opportunity to the students. Seminars and symposiums are regularly held, allowing for exchange of ideas, exposure to new developments and serving as avenues for paper-presentation. Through these societies, students of Delhi Technological University regularly participate in various competitions at the international level bringing further laurels to the institution.

For the benefit of students, regular training programs, both in technical as well as in soft skills, in collaboration with industry are also organized. Initiatives are taken to train the students for Group Discussion and Interview. DTU lays great emphasis on being tech savvy and this has resulted in development of excellent infrastructural facilities for recruiters and at the same time automation of the process of placements.



## Delhi School of Management

The Post Graduate Management education began in Delhi Technological University in 2009. The students in two-year full time MBA programme are admitted through a rigorous screening process based on CAT(Common Admissions Test) score, Group discussion and Personal interview. Careful selection of brilliant students from across the nation ensures that the classrooms are lively, and that students get a challenging, competitive, and cosmopolitan atmosphere. Excellent placement cell built on the backbone of the DTU placement system has boosted the growth prospect of DSM. Some of the prominent recruiters are: KPMG ,Melt waters, Capital IQ, HCL Infosystems, JDA, Headstrong, TCS, Tribal Fusion, IMRB, KPMG, Piaggio, India Mart, Hero Honda, Michelin Tyres, SAIL, Avery Dennison, Bharti Airtel, Pepsi Co., TRAI, Taj Hotels, Indian Express, Nielsen Co., HDFC Bank, Religare , Maruti Suzuki.

The environment at Delhi School of Management (DSM) is action packed with visiting experts from industry/ academia, workshops, symposium, and panel discussions peppered with student activities. DSM also gives ample exposure to students through case-studies, course projects, and industry internships. The emphasis is on the right combination of classroom learning, hands-on experience in the corporate world and sharing the rich experience of the executives. The students also get focused soft-skills training to enable their true inner qualities to shine through.

At DSM, the curriculum is designed to meet the requirements of the present day technology intensive business functions. The focus is on developing a strong foundation in the first and second semesters of the programme with subjects from across different elements of management. For the third semester, students can pick up one of the three technical specialisations - Supply Chain Management, Information Technology Management and Knowledge and Technology Management.(with two subjects) and can select one of the three functional specializations

- Finance, Marketing and Human Resource Management (with two subjects).For the Fourth semester, students have to pick two subjects of the technical specialisation taken in third semester (subjects other than which were taken in third semester) and have to select two subjects of the Functional specialization taken in third semester (subjects other than which were taken in third semester). To enable them to make an informed choice, one subject of each of these specializations is taught in the second semester.



To allow the students to gain on-the-job-training and



apply the classroom knowledge, an 8-week summer internship and final dissertation project has been made an integral part of the curriculum. Further to make this internship effective and result oriented, every student is attached with a mentor.

In the last four years, DSM has organized a number of expert lecture-cum-interaction sessions with eminent management gurus/ industry practitioners like Mr. Manpreet Brar, a serial Entrepreneur on Entrepreneurship; Mr. Amitabh Singh, MD, CoGlobe Consulting on Marketing entry strategy; Mr. Arun Kumar, Country Head, Bose Corporation on Business and Professional ethics. Prof. Prem Vrat, Professor Emeritus, Management Development Institute on Strategic Management; Sh A B Menon, Dy Secretary Ministry of Commerce, GOI on Relevance of WTO in Trade and Industry ; Prof. Sushil, IIT Delhi on Flexible Systems Management; Sh. Nitin Bajaj of Tata Consultancy Services on Telecom Convergence; Sh. D V Kalra, Dean, DTDC Institute of SCM on Supply Chain Management; Mr. Tarun Matai of Bank of America on Information Security in Today's Virtual World; Sh Parthasarathy, Sr. Director Deloitte on Risk Management; Dr. Anil Kumar, Professor, Central Michigan University, USA, on Management Information Systems; Prof. R J Masilamani, Ex- MD and Chief Executive of Timex Watches on Sales and Distribution Management; Lt. Gen D V Kalra, Director, DTDC, Supply Chain Institute on Supply Chain Management; Ms. Radhika Sareen from TCS on Importance of Teambuilding; Mr. Manpreet singh, a IIT-Kharagpur alumni and a serial entrepreneur on Entrepreneurship-The Road Ahead; Mr. Sanjey Roy, Vice President and Head, Corporate Communications, DLF on Corporate Communications; Mr. Arun Kumar from Bose Corporation on ethics and values in business.

The year 2012 continued to be an event packed year where it organized its second National Business Quiz, Qui-Vive in October, 2012, which was a colossal success with participation from all over India. Delhi School of Management successfully organized its annual Management Conclave on the theme –'Survival of the Fittest: Lessons from the Best' on November 9, 2012. The conclave, justifying the theme, was addressed by the very best in the corporate world. Mr. Deepak Maheshwari, VP, MasterCard Worldwide; Mr. Vijay Rai, CEO and President, PowerCon; Mr. Mahesh Peri, GM, 360° Careers; Mr. Karan Trehan, IBM; Mr. Prashant Vijay, Director, Markit; Mr. Sneh Kumar Singh, Director, Markit; Ms. Pallavi, GM, Best food Groups; Col. M. K. Aeri, Head HR, Development Alternatives were among the panelists.

The school organized its first All India Student Paper Presentation Competition, Srijan 2013 on 08th Feb, 2013. The theme for the event was "Innovation and Creativity: New Mantra for Global Competitiveness". The event got flagged off successfully amidst a sense of euphoria and bonhomie as more than 130 teams got registered from various eminent institutes all across the country. The external judges for the event were Mr. Sanjiv Mittal with over 29 years of teaching experience and Mr. Alok Shrivastava with corporate experience.

The Delhi School of Management also organised a one day workshop on "Intellectual Property Rights and Patents" on March 8th, 2013, with the objective of familiarising DTU faculty and students with the patent processes and procedures in India. Presided over by the Hon'ble Vice chancellor DTU, the event witnessed tremendous participation of the faculty and students across all departments at DTU.



The various student Clubs of DSM provide a vibrant environment for the students by organizing events such as Marketing Quiz, Finance Quiz, Debate, Sports Quiz and various events like Cricket Premier League, Football Premier League, and Basketball Premier League by Sports Club. In particular, the students leveraged web technologies to organize a national level competition (MARK-E-BRAND) for B School students to test their mettle to develop market entry strategy for a brand,

Another student driven initiative is DSM Chronicle, the Bi-Annual Business Newsletter of Delhi School of Management. The newsletter covers not only major events happening around the world but also captures the pulse of the entire DTU campus, more specifically DSM. It enables students to involve themselves in analysis of business news, national as well as international, thereby providing them with the opportunities to explore their creative abilities and simultaneously hone their writing skills. DSM Chronicle gives special emphasis on the management discipline as a whole by covering articles across various fields of management including HR, Finance, Marketing, Knowledge Technology Management, Information Technology Management, Marketing, Supply Chain Management, etc.

The award of Ph.D. degree is, among other things, in recognition of high scholastic achievements, and original contribution to knowledge. Creative and productive enquiry is one of the basic concepts underlying research work. In order to overcome any deficiency in the breadth of fundamental training or proper foundation for advanced work, special foundation or pre-doctoral courses are given by the Department. Ph.D. Programme in the Department is offered both in the full-time as well as part-time modes. The school admits scholars for the PhD program in areas like Technology Management, Knowledge and Innovation Management, IPR Management, Supply Chain Management, Management of Information Systems, E-Governance, Human Resource Management, Total Quality Management, Productivity Management, Enterprise Management etc.



Delhi School of Management has also started a weekend MBA program from the academic session 2013-14. The program will cater to the needs of working executives who aspire to learn cutting edge professional and managerial skills by pursuing such programs while continuing their existing jobs. It will also provide an opportunity for DSM to expand its reach by targeting young executives from public and private sector for this program.

From the academic year 2013-14, DSM is also starting a five year B.Tech-MBA Dual Degree Program. The program will cater to the needs of the budding engineers of DTU who aspire to further develop management skills for career advancement.



# ADMISSIONS 2013



**B.Tech Programs**

**B.Tech (Part Time) Programs**

**M.Tech Programs**

**MBA Programs**

**Ph.D Programs**



## ACADEMIC CALENDAR FOR B.Tech 2013-14

### ODD SEMESTER

01.08.2013 (Thu) : Vice Chancellor's Address to newly admitted Students, Registration of all students; Teaching starts for all classes.

**MID Semester Examination: September 09-14, 2013 (Monday - Saturday)**

08.11.2013 (Fri) : Teaching ends for all classes

12.11.2013 (Tue) : Display of sessional marks and shortage of attendance

**END Sem Theory & Practical Examination: 18.11.2013 (Monday) onwards**

06.12.2013 (Fri) : Winter Vacation, Workshop Training, Survey Camp, Industrial Training  
to 03.01.2014 (Fri)

### EVEN SEMESTER

06.01.2014 (Mon) : Registration & Teaching starts for all classes

**MID Semester Examination: March 10-15, 2014 (Monday-Saturday)**

02.05.2014 (Fri) : Teaching ends for all classes

06.05.2014 (Tue) : Display of sessional marks and shortage of attendance

**End Sem Theory & Practical Examination: 12.05.2014 (Monday) onwards**

30.05.2014 (Fri) : Summer Vacation, Workshop Training, Industrial Training

01.08.2014 (Fri) : University reopens after summer vacation

1. **Technical Fest: February 10-12, 2014 (Monday - Wednesday)**

2. **Engifest: February 13-16, 2014 (Thursday-Sunday)**



## 3.0 ADMISSION TO B.Tech PROGRAMS

### 3.1 Admission Procedure

Delhi Technological University will hold online counselling for admission to 1st year B.Tech (Fulltime) strictly based on all **India Overall Rank prepared by giving 40% weightage (suitably normalized) to class XII (or equivalent examination) or other qualifying examination marks and 60% to the performance in JEE (Main)-2013 Examination and also the candidate must have declared eligible for Central Counselling by the CBSE** for Indian students and based on SAT-II (physics, Maths level-II) score for NRI, FN, PIO candidates. For eligibility conditions and fee details, NRI/FN/PIO candidates are required to see the link “Guidelines for NRI/FN/PIO admissions” available on this website.

#### Counselling Fee Deposit

**Counselling Fee:** To participate in online counselling, every candidate, irrespective of his/her category, will have to deposit a nonrefundable counselling fee of Rs. 1000/- plus bank charges as applicable (in cash only) in any branch of State Bank of India. Bank Challan can be generated using suitable link on this website. **NRI/FN/PIO candidates are not required to pay registration fee through bank challan. They are required to deposit a Demand Draft of Rs. 1000 (in favour of Registrar, Delhi Technological University, payable at New Delhi) towards the registration fee when they report at DTU for document verification on 15-07-2013.**

Fee deposit challan can be downloaded from <http://www.dtuadmissions.nic.in> after registration on this website. Only those candidates will be able to participate in online counseling processes, who have deposited the counselling fee through the above bank challan. Counselling fee should be deposited at any branch of State Bank of India. No other mode of payment will be accepted.

#### Online Registration And Choice Filling From

1. **Online Registration:** The candidate shall log on to <http://www.dtuadmissions.nic.in>, and follow ‘**new registration**’ link where a form will be displayed on the screen with the following parameters mandatory for successful registration i.e., JEE (Main)-2013 Roll No., All India Rank (**prepared by giving 40% weightage (suitably normalized) to class XII (or equivalent examination) or other qualifying examination marks and 60% to the performance in JEE(Main)-2013 Examination**), Candidate Name, Date of Birth. NRI/FN/PIO category candidates can register by entering SAT-II Roll number, Name, and Date of Birth.



2. If all the above parameters have correctly been entered and found true, then a new registration screen will appear and Candidate may register himself/herself.
3. Candidate shall be required to fill in basic details, which shall be used for filling of choices of branches and allotment of seat using the candidate's "User ID" which is his/her JEE(Main)-2013 Roll No./SAT-II Roll No. and "Password" as generated by the candidate.
4. After successful registration, he/she will get a confirmation message on the same page. In case the confirmation message is not displayed the candidate has to re-register himself/herself.
5. It is in the interest of Candidates to remember their Password and keep it highly confidential, to avoid misuse by another candidate, for which DTU shall not be responsible.
6. Candidate can generate and print SBI bank challan for registration fee. All candidates except NRI, FN, PIO are required to deposit a registration fee of Rs. 1000 plus bank charges at any branch of State Bank of India using SBI bank challan form. NRI, FN, PIO candidates are required to pay registration fee on 15-07-2013 at DTU, through a Bank Draft of Rs. 1000 in favor of 'Registrar, Delhi Technological University' payable at New Delhi.
7. **Candidate has to take the print out of the registration form and get attested from the Principal, School/College last attended/Gazetted Officer. It has to be submitted at the time of admission.**
8. **Filling of Choices**
  - (a) After successful login, candidate's homepage is opened and following options are displayed:

**Registration Details:** Registration Detail is important for seat allotment and should be filled very carefully.

**Edit Registration:** Any mistake can be corrected in the above through "Edit Registration" option only if the candidate has not printed his/her registration form after confirmation. Once application form is printed, it can be edited by candidate.

**Available Choices:** The list of branches available for admission shall be displayed. Candidates are advised to fill the order of preferences carefully. When registration period is over, choices filled by the candidate are locked, no change/modification is allowed after registration period is over.

**Fill Choices:** The candidate can fill the branches of his/her choice in order of preferences. It is in the interest of the candidate to fill maximum available choices.

- a) **Display filled choices:** Choices entered by the Candidate will be displayed on different form so that he/she can check the already entered information. Candidates are advised to fill maximum number of



choices to increase their chances of early seat allotment. Once admitted, their branch will be upgraded automatically during each round of counselling.

(b) **Locked Choices:** Choices filled by candidate will be locked automatically after registration period is over. Once the choices are locked, it cannot be unlocked and hence preferences of the branches cannot be changed.

(c) **Candidate has to take the print out of the filled choices only after closing of registration and get signed by him/her. It has to be submitted at the time of admission.**

(d) **Allotment of seat:** After the choice filling period is over, all filled choices of all registered candidates will be considered for allotment of seats as per merit and category of the candidate.

9. **Display of the list of Provisionally Selected Candidates:** The first list of provisionally selected candidates shall be declared as per schedule given on this website. Subsequent list of allotment shall be displayed as per the schedule. The selected candidate can take printout of provisional allotment letter from the website, <http://www.dtuadmissions.nic.in>. Allotment of seats is purely provisional and is subject to verification of original certificates and payment of institute fee etc, at the time of reporting to DTU.
10. Candidates are required to report for admission at DTU on the date specified (as per the counselling schedule) along with fee and the original documents/testimonials/certificates (for documents detail, please see "Documents required at the time of Admission" link). **If candidate does not report within the specified period and required original documents/testimonials/certificates, his/her allotted seat shall be cancelled and the candidate shall not have any claim on the seat, whatsoever.**
11. **If a candidate refuses to take admission in the allotted branch at the time of admission, he/she will not be considered in next phase of admission. Only admitted candidates will be considered for upgradation of branches. Only one chance for admission will be given to the candidates.**
12. A candidate, who has been admitted to a Branch other than his/her first choice, will be automatically upgraded, as per his/her merit (**prepared by giving 40% weightage (suitably normalized) to class XII (or equivalent examination) or other qualifying examination marks and 60% to the performance in JEE(Main)-2013 Examination**) to a Branch of his/her higher preference as indicated in his/her online application submission. The list of the students with upgraded Branches will be displayed at website i.e. <http://www.dtuadmissions.nic.in> periodically.
13. **Important: All Candidates who have not been allotted any seat till Third Round but willing to participate in remaining rounds of counselling are required to mark their PHYSICAL ATTENDANCE at DTU according to**



schedule. Candidates or their representative are to report physically at DTU (as per the schedule displayed on admission website) for participating in the next round of counselling. In case the candidate or his representative does not report physically on the above mentioned date then he would not be eligible for the next round of the counselling.

14. **Freezing:** In case a candidate desires to continue in the branch allotted to him/her at the time of admission or a subsequent upgradation, other than his/her higher preference indicated in his/her application then he/she must submit, a request in writing to the Chairman, B.Tech. Admission Committee on the day of admission/allotment of branch for freezing the same. Similarly a branch once upgraded in a particular round of counseling may be freeze **only on the days of reporting of that round.**
15. The detailed instructions about the online counselling shall be available on the website <http://www.dtuadmissions.nic.in> Candidates are advised to go through the details thoroughly at this site before registration.

## 3.2 Seat Distribution

### Region-wise Allocation of Seats

The total seats marked for the B.Tech. Courses shall be allocated region-wise as follows:

- (i) **Delhi Region:**  
For students passing from the recognized Schools/Colleges/Institutions located within the National Capital Territory(NCT) of Delhi. 85%
- (ii) **Outside Delhi Region:**  
For students passing from the recognized Schools/Colleges/Institutions located outside the National Capital Territory(NCT) of Delhi. 15%

Except for the Nominees of Govt. of India, the admission is open to Indian nationals only.

### Branch-Wise Total Seat Allocation (for admission through JEE(Main)-2013)



Sl. No.	Branches	Intake
1.	Automobile Engineering (AE)	94
2.	Bio-Technology (BT)	34
3.	Civil Engineering (CE)	122
4.	Computer Engineering (COE)	139
5.	Electronics & Communication Engineering (ECE)	185
6.	Electrical Engineering (EE)	140
7.	Electrical and Electronics Engineering (EEE)	95
8.	Environmental Engineering (ENE)	62
9.	Engineering Physics (EP)	95
10.	Information Technology (IT)	95
11.	Mathematics and Computing (MCE)	95
12.	Mechanical Engineering (ME)	186
13.	Polymer Science & Chemical Technology (PCT)	62
14.	Production & Industrial Engineering (PIE)	48
15.	Software Engineering (SE)	94
	<b>Total</b>	<b>1546</b>

*\*One seat over and above the normal intake is reserved for Kashmiri Migrants candidate who have passed 10+2 from schools located in National Capital Territory(NCT) of Delhi.*

### REGION AND CATEGORY CODES

\*Code Format: CC-SS-R

Region	Code	Category	Code	Sub-Category	Code
Delhi	D	General	GN	Persons with Disabilities	PD
Out Side Delhi	O	Scheduled Tribe	ST	Defence	CW
		Scheduled Caste	SC	Kashmiri Migrant	KM
		Other Backward Classes	OB	Single Girl Child	SG
				No Subcategory	GN
				Central/State Board Topper	TP



**SEAT MATRIX (for admissions through JEE(Main)-2013)**

Branch → Category Code (CCSSR*)	AE	BT	CE	COE	ECE	EE	EEE	ENE	EP	IT	MCE	ME	PCT	PIE	SE	Total
GNGND	36	12	48	54	73	54	36	24	37	37	37	73	24	18	36	599
GNCWD	2	1	3	3	4	3	2	1	2	2	2	4	1	1	2	33
GNPDD	1	0	1	2	2	2	2	1	1	1	1	2	1	1	1	19
SCGND	11	3	14	17	21	16	11	8	11	10	11	22	7	6	11	179
SCCWD	1	1	0	1	1	0	1	0	1	1	0	1	1	0	0	9
SCPDD	0	0	1	0	1	1	0	0	0	1	1	0	0	0	1	6
STGND	6	2	7	8	11	8	5	4	4	5	6	11	4	3	5	89
STCWD	0	0	0	1	0	0	1	0	0	1	0	1	0	0	1	5
STPDD	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	3
OBGND	19	6	25	28	39	29	19	13	21	19	20	39	14	10	20	321
OBCWD	1	1	2	2	2	2	1	1	0	1	0	2	0	1	1	17
OBPDD	1	0	1	1	1	1	1	0	1	1	1	1	0	0	0	10
GNGNO	7	3	8	9	13	10	7	4	6	6	6	13	4	3	6	105
GNCWO	0	0	1	0	1	0	0	0	1	1	1	1	0	0	0	6
GNPDO	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	3
SCGNO	2	2	3	2	4	2	2	1	2	1	1	4	1	1	2	30
SCCWO	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
SCPDO	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	2
STGNO	1	0	1	2	2	1	1	1	1	1	1	1	1	1	1	16
STCWO	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
STPDO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OBGNO	4	1	5	4	6	6	4	2	3	4	3	7	2	1	4	56
OBCWO	0	0	0	0	1	0	0	0	1	0	0	1	0	0	0	3
OBPDO	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	2
SGGND	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
GNTPT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
<b>TOTAL</b>	<b>94</b>	<b>34</b>	<b>122</b>	<b>139</b>	<b>185</b>	<b>140</b>	<b>95</b>	<b>62</b>	<b>95</b>	<b>95</b>	<b>95</b>	<b>186</b>	<b>62</b>	<b>48</b>	<b>94</b>	<b>1546</b>



### 3.3 Eligibility Conditions for Admissions

Delhi Technological University will hold online counselling for admission to 1st year B.Tech (Full-time) strictly based on all **India Overall Rank prepared by giving 40% weightage (suitably normalized) to class XII (or equivalent examination) or other qualifying examination marks and 60% to the performance in JEE(Main)-2013 Examination and also the candidate must have declared eligible for Central Counselling by the CBSE** for Indian students and based on SAT-II (physics, Maths level-II) score for NRI, FN, PIO candidates. For eligibility conditions and fee details, NRI/FN/PIO candidates are required to see the link "Guidelines for NRI/FN/PIO admissions" available on this website.

#### Educational Qualifications

##### For Delhi Region Candidates (85% of seats)

A candidate passing any of the following examinations from a recognized School/College/Institute located within the National Capital Territory (NCT) of Delhi only and securing 60% or more marks in the aggregate of Physics, Chemistry and Mathematics, shall be eligible for admission to the first semester of Bachelor of Technology Course provided he/she has passed in each subject separately:

- (i) Senior School Certificate Examination (12-year course) of the Central Board of Secondary Education (C.B.S.E.), New Delhi.
- (ii) Indian School Certificate Examination (12-year course) of the Council for Indian School Certificate Examination, New Delhi.
- (iii) Bachelor of Science (General) or Bachelor of Science (Hons.) examination of a recognized university with combination of Physics, Chemistry & Mathematics with minimum aggregate of 60% marks.
- (iv) Any other examination recognized as equivalent to the Senior School Certificate Examination of the C.B.S.E.

##### For Outside Delhi Region Candidates (15% of seats)

A candidate passing any of the following examinations from a recognized School/College/Institute located outside the National Capital Territory of Delhi only and securing 60% or more marks in the aggregate of Physics, Chemistry and Mathematics shall be eligible for admission to the First Semester of Bachelor of Technology Course provided he/she has passed in each subject separately:

- (i) Senior School Certificate Examination (12-Year Course) of the Central Board of Secondary Education (C.B.S.E.) New Delhi.



- (ii) Indian School Certificate Examination (12-year Course) of the Council for Indian School Certificate Examination, New Delhi.
- (iii) Bachelor of Science (General) or Bachelor of Science (Hons.) examination of a recognized university with combination of Physics, Chemistry & Mathematics with minimum aggregate of 60% marks.
- (iv) Any other examination recognized as equivalent to the Senior School Certificate Examination of the C.B.S.E.

**Note: The admission under 85% quota and 15% quota will be made in DTU strictly on All India Overall Rank prepared by giving 40% weightage (suitably normalized) to class XII (or equivalent examination) or other qualifying examination marks and 60% to the performance in JEE Main Examination and also the candidate must have declared eligible for Central Counseling by the CBSE. A candidate must additionally have passed English as a subject of study of the Senior School Certificate Examination Level (Core or Elective).**

### Age Requirements

Applicant must be 17 years of age and maximum 25 years of age on or before the first October of the years in which he/she seeks admission. Relaxation in minimum age up to one year only with the approval of the Vice-Chancellor is permissible (Such candidate should apply for relaxation only at the time of admission). Candidates who are short in age by more than one year are not eligible for admission.

### Relaxation in Marks for Reserved Categories

Candidates belonging to the following categories, who apply for seats reserved for them, shall be allowed a concession in the minimum eligibility requirements as detailed below:

1. **Other Backward Class (OBC):** Candidates belonging to Other Backward Class (OBC) shall be allowed 5% concession of marks in the minimum eligibility requirements.
2. **Children/War Widows of Defense Personnel Killed/Disabled in Action (CW):** The children and/or widows of personnel of Armed/Para-Military forces Killed/disabled in action during hostilities who apply for seats reserved for them shall be allowed relaxation of 5% marks in the minimum eligibility requirements.
3. **Scheduled Castes (SC) and Scheduled Tribes (ST):** Candidates belonging to Scheduled Castes and Scheduled Tribes shall be allowed 10% concession of marks in the minimum eligibility requirements.
4. **Persons with Disabilities (PD):** Candidates belonging to "Persons with Disabilities" category shall be allowed 10% concession of marks in the minimum eligibility requirements.



**NOTE:**

- (i) An applicant, who has to leave an Engineering/Technology Degree Course, or an equivalent course, after exhausting the permissible number of chances in any other University/Board in India, will not be eligible for admission to Bachelor of Technology Course at DTU.
- (ii) Candidates who have appeared at the Annual Examination of the year 2013 and placed in compartment will not be eligible for admission for the year 2013-2014.
- (iii) Candidates who have appeared at the Annual Examination of the year 2013 and reappear for the improvement to acquire the eligibility will not be considered for admission for the year 2013-2014.
- (iv) No admission will be made directly to the second or any subsequent semester of the course.

**No admission will be made after 30.08.2013**

### 3.4 Reservation

Reservation policy for the year 2013-14 is the following:

- (a) **Scheduled Castes (SC):** 15 % of the total seats.
- (b) **Scheduled Tribes (ST):** 7.5 % of the total seats.
- (c) **Other Backward Classes (OBC):** 27% of the total seats.

**Sub categories under each category (including General Category)**

- (d) **Children/War Widows of Defense Personnel Killed/Disabled in Action (CW):** 5% of the total seats in each Institution for children/widows of personnel of Armed/Paramilitary Forces killed/disabled in action during the hostilities in the following priority:-

**Priority I** - Widows/wards of Defense Personnel/Para-Military Personnel Killed in action. Required Certificate: Proof in Original.

**Priority II** - Wards of serving Defense personnel and ex-servicemen/Para-Military Personnel disabled in action. Required Certificate: Original disability certificate clearly indicating the disability is attributable to Military Services.

**Priority III** - Widows/wards of Defense Personnel/Para-Military Personnel who died in peace time with



death attributable to Military Service. Required Certificate: Original death certificate clearly indicating the cause of death is attributable to Military Services.

**Priority IV** - Wards of Defense Personnel/Para-Military Personnel disabled in peace time with disability attributable to Military Service. Required Certificate: Original disability certificate clearly indicating the disability is attributable to Military Services.

**Priority V** - Wards of serving Defense Personnel and ex-servicemen para-Military / police personnel who are in receipt of Gallantry Awards. Required Certificate: Proof in Original.

**Priority VI\*** – Wards of defense Ex-servicemen. Required Certificate: Original ex-servicemen Identity Card/discharge book/PPO (Pension Payment Order).

**Priority VII\*** – Wards of Serving Defense personnel. Required Certificate: Original Service Identity Card and Dependant Card/ Certificate issued by the Competent Authority.

**\*: Priority VI and VII added this year.**

- (e) **Persons with Disabilities (PD):** 3% of the total seats in DTU. The 3% reservation may be allocated as follows: 1% for persons with low vision or blindness, 1% for persons with speech and hearing impairment, 1% for persons with loco motor disabilities and/or cerebral palsy.
- (f) **Kashmiri Migrants Seats (KM):** One seat in DTU over and above their normal intake earmarked is reserved for Kashmiri Migrants candidate who have passed 10+2 from schools located in NCT of Delhi only for admission to B. Tech courses for the academic session 2013-2014. The candidates seeking admission under Kashmiri Migrants seats should submit attested copies of the following documents along with the application form and bring the same in original at the time of counseling:
- i. Certificate of registration as Kashmiri Migrants issued by the Relief Commissioner, Jammu or Divisional Commissioner, Delhi to establish the status of the applicant as registered migrants.
  - ii. Provisional or original Senior School Certificate examination or an examination recognized as equivalent thereto.
  - iii. Mark-sheet of the Senior School Certificate Examination or an examination recognized as equivalent thereto.
  - iv. Secondary School Examination or an examination recognized as equivalent thereto (showing the Date of Birth).
  - v. Proof of property in Kashmir of the parent of the candidate.



vi. Proof of current residence such as Ration Card, Photo Identity Card issued by the Election Commissioner, Driving License etc.

(g) **Single Girl Child(SG):** One seat in each branch of DTU over and above their normal intake earmarked is reserved for Single Girl Child candidate (Girl having no brother and sister) who have passed 10+2 from schools located in NCT of Delhi for admission to B. Tech. courses.

i. For claiming admission in this category, the Father/Mother/Guardian (in case parents are deceased) shall have to submit affidavit to this effect duly attested by area District Magistrate / Additional Magistrate / Deputy Commissioner / Collector / Additional Deputy Commissioner / Deputy Collector / 1st Class Stipendiary Magistrate / City Magistrate (not below the rank of 1st Class Stipendiary Magistrate), Sub-Divisional Magistrate / Taluka Magistrate / Executive Magistrate / Extra Assistant Commissioner.

(h) **Central/State Board Topper (TP):** One seat in each branch of DTU over and above their normal intake earmarked is reserved for Central/State Board Topper candidates.

i. For claiming admission to this category, candidate has to submit a certificate issued from the respective board, at the time of reporting for admission at DTU.

**NOTE:**

i. In the case of category (a) and (b), the vacant seats are interchangeable.

ii. In case sufficient numbers of eligible candidates from category mentioned at (c) are not available, the vacancies will be treated as unreserved.

iii. In case sufficient number of eligible candidate from the categories mentioned at (d) and (e) above are not available, the vacancies will be treated as unreserved in the respective category.

iv. The reservation under CW category is available only to such candidates who fall under the above listed seven priorities.

v. It is the sole responsibility of the candidate to prove his/her eligibility for claiming reservation under any of the reserved categories. The candidates under SC/ST/CW/PD/SG categories will be required to produce the original certificate of the respective reserved category issued by the competent authority (as listed in "CERTIFICATES REQUIRED" link of this website) at the time of counselling. If the category certificate is not found to be in order, no benefit of the reserved category will be given.

**Reservation in respect of SC/ST/OBC for the session 2013-14 shall be provided as per the policy of the Govt. of Delhi.**



**DELHI REGION CANDIDATES SEEKING ADMISSION UNDER SC/ST/OBC ARE REQUIRED TO SUBMIT THE CERTIFICATE ISSUED BY GOVERNMENT OF NCT OF DELHI ONLY.**

### **3.5 Documents Required At The Time Of Admission**

Candidates are required to deposit all documents in ORIGINAL at the time of admission. In case admitted candidate needs original documents for admission at other institute on or before 30-07-2013, the original documents will be issued for that period only. In any case admitted candidate will have to return original documents on or before 30-07-2013 failing which their admission shall be cancelled. In any case after 30-07-2013, original documents will not be returned to admitted candidates before 30-09-2013.

#### **FOR INDIAN STUDENTS THROUGH JEE(Main)-2013**

1. Bank Demand Draft for fees of Rs. 75000 (Seventy Five Thousands rupees) in favour of Registrar, Delhi technological University, Delhi, payable at Delhi. (Demand draft more than 7 days old will not be accepted for admission.)
2. Online created Registration form duly attested by Principal of school/institution last attended /Gazetted Officer.
3. Printout of filled choices (printed after closing of registration) signed by the candidate.
4. Three passport size photograph (same as pasted on application form).
5. Original of the Admit Card & Score Card of JEE(Main)-2013 (except for the nominees of Govt. of India)
6. The original and attested copy of marks sheet of the qualifying examination i.e. Class XII or equivalent.
7. The original and attested copies of Date of Birth certificate as indicated in High School or equivalent examination i.e. Class X..
8. The original certificate and attested copy for the reserved category, if other than the General Category.
9. Medical fitness certificate in case of OPEN / General / SC / ST / CW/ OBC /SG (Format available on this website.).
10. Medical certificate of physically disability, in original, issued by the duly notified Medical Board of a District/Government Hospital set up for examining the physically challenged candidates under the provisions of Persons with Disability (equal opportunities, protection of rights and full participation) Act 1995. The Certificate should indicate the extent (i.e. percentage) of the disability and it should bear the photograph of the candidate concerned and it should be countersigned by one of the Doctors constituting the Board issuing the certificate. The decision of the Delhi Technological University regarding the eligibility/admission of any applicant shall be final.

#### **FOR NRI/FN/PIO candidates:**

1. Bank Draft for fees of USD 7000 (Seven thousand US Dollars) [US\$ 5000 for FN from SAARC countries and candidates from Nepal and Bhutan] in favour of Registrar, Delhi technological University, Delhi, payable at NewYork/Delhi. (Demand draft more than 7 days old will not be accepted for admission.)
2. Online created Registration form duly attested by Principal of school/institution last attended /Gazetted



- Officer.
3. Printout of filled choices (printed after closing of registration) signed by the candidate.
  4. Three passport size photograph (same as pasted on application form).
  5. Original and attested copies of Passport.
  6. Copy of SAT-II, Score Card for Maths level-II & Physics.
  7. Class X (Date of Birth Certificate).
  8. Class XII / Equivalent Exam Marks Sheet.
  9. Proof of residence as per the guidelines for NRI candidates.
  10. Transcription / Grade Sheet of the qualifying examination should be attested by School / Institution
  11. Affidavit on Non-Judicial Stamp Paper for Persons of Indian Origin of his/her parents/grandparents as per section 2(B) of Citizenship Act 1955
  12. Certificate from Indian Council for Cultural Relation or Govt. of India for FN/PIO Category
  13. Medical fitness certificate (Format available on this website.).

Disputes, if any, arising out of or relating to any matter whatsoever, concerning the aforesaid B.Tech. Admission shall be subject to the exclusive jurisdiction of Delhi Technological University.

### 3.6 Certificates Required for Reserved Seats at The Time of Admission

Candidates applying for any reserved seat (i.e. SC, ST, CW, PD, OBC and SG) should submit the following certificates as the case may be at the time of counseling.

- (a) For admission to a seat reserved for Scheduled Castes/Scheduled Tribes/Other Backward Class, a certificate in original from an approved district authority stating the Scheduled Caste/ Scheduled Tribe/ Other Backward Class, to which the candidate belongs. A list of approved authorities is given below:
  - i. District Magistrate / Additional Magistrate / Deputy Commissioner / Collector / Additional Deputy Commissioner / Deputy Collector / 1st Class Stipendiary Magistrate / City Magistrate (not below the rank of 1st Class Stipendiary Magistrate), Sub-Divisional Magistrate / Taluka Magistrate / Executive Magistrate / Extra Assistant Commissioner.
  - ii. Chief Presidency Magistrate / Additional Chief Presidency Magistrate / Presidency Magistrate.
  - iii. Revenue Officer not below the rank of Tehsildar.
  - iv. Sub-Divisional Officer of the area where the candidates and/or his/her family normally resides.
  - v. Administrator/Secretary to Administration/Development Officer (Laccadive & Minicoy Islands).

**(DELHI REGION CANDIDATES SEEKING ADMISSION UNDER SC/ST/OBC ARE REQUIRED TO SUBMIT THE CERTIFICATE ISSUED BY GOVERNMENT OF NCT OF DELHI ONLY)**

- (b) For admission to a seat reserved for Children/Widows of Personnel of Armed/Para- Military forces killed/disabled in action during hostilities: Entitlement card in original issued by the Record Officer of the



Unit/Regiment of Armed Personnel of the Armed Forces in case of Armed Personnel or from the Home Ministry in case of Para-Military forces.

- (c) The Children/Widow of the officers and men of Armed forces including paramilitary personnel who died or disabled on duty must submit a certificate to that effect from the following authorities.
- i. Secretary, Kendriya Sainik Board.
  - ii. Secretary, Rajya/Sila Sainik Board.
  - iii. Officer-in-Charge, Record Office.

**NOTE : A statement to the effect that "the death/disability is attributed to military service" is required to be included in the certificate.**

- (d) For admission to seat reserved for Persons with Disabilities (PD) category, a certificate of physical disability issued by a duly notified Medical Board of a District/Government Hospital set up for examining the physically challenged candidates under the provision of the Persons with Disability (equal opportunities, protection of rights and full participation) Act 1995. The certificate should indicate the extent of (i.e. percentage) of the physical handicap and it should bear the photograph of the candidate concerned and it should be countersigned by one of the Doctors constituting the Board issuing the certificates.
- (e) The candidates seeking admission under Kashmiri Migrants seats should submit attested copies of the following documents along with the application form and bring the same in original at the time of counseling:
- i. Certificate of registration as Kashmiri Migrants issued by the Relief Commissioner, Jammu or Divisional Commissioner, Delhi to establish the status of the applicant as registered migrants.
  - ii. Provisional or original Senior School Certificate examination or an examination recognized as equivalent thereto.
  - iii. Mark-sheet of the Senior School Certificate Examination or an examination recognized as equivalent thereto.
  - iv. Secondary School Examination or an examination recognized as equivalent thereto (showing the Date of Birth).
  - v. Proof of property in Kashmir of the parent of the candidate.
  - vi. Proof of current residence such as Ration Card, Photo Identity Card issued by the Election Commissioner, Driving License etc.
- (f) **Single Girl Child:** For claiming admission in this category, the Father/Mother/Guardian (in case parents are



deceased) shall have to submit affidavit to this effect duly attested by area District Magistrate /Additional Magistrate / Deputy Commissioner / Collector / Additional Deputy Commissioner / Deputy Collector / 1st Class Stipendiary Magistrate / City Magistrate (not below the rank of 1st Class Stipendiary Magistrate), Sub-Divisional Magistrate / Taluka Magistrate / Executive Magistrate / Extra Assistant Commissioner.

- (h) **Central/State Board Topper:** For claiming admission to this category, candidate has to submit a certificate issued from the respective board, at the time of reporting for admission at DTU.

### MEDICAL FITNESS CERTIFICATE

*(To be signed by a registered medical practitioner holding a degree not below that of M.B.B.S.)*

#### (TO BE SUBMITTED AT THE TIME OF ADMISSION)

I certify that I have carefully examined Mr./Ms.\* \_\_\_\_\_  
son/daughter of Shri \_\_\_\_\_  
whose signature is given below. Based on the examination, I certify that he/she is in good mental and physical health and is free from any physical defects which may interfere with his/her studies including the active outdoor duties required of a professional.

Marks of Identification \_\_\_\_\_

Signature of the Candidate \_\_\_\_\_

Place:

Date:

Name & Signature of the Medical Officer  
with seal and registration number

\* Strike whichever is not applicable.

### 3.8 Upgradation to a branch of Higher Preference

A candidate who has been admitted to a Branch other than his/her first choice will automatically be transferred, as per his/her merit i.e. All India Overall Rank prepared by giving 40% weightage (suitably normalized) to class XII or equivalent examination or other qualifying examination marks and 60% to the performance in JEE(Main)-2013 Examination (SATlevel-II score for NRI/FN/PIO), to a Branch of his/her higher preference as indicated in his/her Application. The list of the students with upgraded branches will be displayed periodically.



1. **Freezing:** In case a candidate desires to continue in the branch allotted to him/her at the time of admission or a subsequent upgradation, other than his/her higher preference indicated in his/her application then he/she must submit, a request in writing (format available on this website) to the Chairman, B. Tech. Admission Committee for freezing the branch allotted/upgraded. Request for branch freezing can be submitted only during the period of reporting for the round in which seat is allotted/upgraded. Freezing option will be available only for those candidates who have reported for admission at DTU.
2. Once an upgradation is done, it is mandatory for the students to shift to the new branch. Request for reversion to the old branch will not be entertained in any case.
3. The syllabus for first semester for all the branches is the same. No change of section will be done during the first semester classes. Once the final upgraded list is displayed (likely on 31.12.2013), the change of branches will be affected immediately, as per the final list. No change/shift will be allowed thereafter.

### 3.9 Withdrawal / Refund

1. The candidates who withdraw admission on or before 31.07.2013 may take the refund of Admission Fee from the Chairman, B.Tech Admission Committee after paying Rs. 1000/- (by Demand Draft in favour of Registrar, Delhi Technological University, payable at Delhi) as processing fee provided that the seat vacated by them get filled.
2. The candidates who withdraw admission during 01.08.2013 to 22.08.2013 may take the refund of Admission Fee from the Chairman, B.Tech Admission Committee after paying Rs. 5000/- (by Demand Draft in favour of Registrar, Delhi Technological University, payable at Delhi) as processing fee provided that the seat vacated by them get filled.
3. However, those who fail to take refund from the Chairman, B.Tech Admission Committee upto 22.08.2013, refund of fee to them shall be made only after December 31, 2013 once the admission formalities have been completely frozen.
4. Those applying for withdrawal of admission after 22.08.2013 only the refundable security deposit i.e. Rs. 5000/- will be refunded.

### 3.10 ADMISSION OF NRI, FOREIGN NATIONALS (FN) AND PERSONS OF INDIAN ORIGINS (PIO) IN B. TECH COURSES AT DTU FOR 2013-14

The admission to 5% seats in 15 B.Tech Full-Time programs of Delhi Technological University for NRIs, Foreign Nationals and Persons of Indian Origin shall be made on the basis of merit as per score in SAT-II (score with Physics and Mathematics level-II). The candidates must have a minimum of 60% marks in Physics, Chemistry and



Mathematics in qualifying examination for admission to B. Tech Program subject to their eligibility for admission to the University.

### B.Tech Programs

#### Seat Distribution:

Sl. No.	Branches	Intake
1.	Automobile Engineering (AE)	5
2.	Bio-Technology (BT)	2
3.	Civil Engineering (CE)	6
4.	Computer Engineering (COE)	7
5.	Electronics & Communication Engineering (ECE)	9
6.	Electrical Engineering (EE)	7
7.	Electrical and Electronics Engineering (EEE)	5
8.	Environmental Engineering (ENE)	3
9.	Engineering Physics (EP)	4
10.	Information Technology (IT)	5
11.	Mathematics and Computing (MCE)	4
12.	Mechanical Engineering (ME)	9
13.	Polymer Science & Chemical Technology (PCT)	3
14.	Production & Industrial Engineering (PIE)	2
15.	Software Engineering (SE)	5
	<b>Total</b>	<b>76</b>

### Eligibility Criteria

**Age:** Applicant must be 17 years of age and maximum 25 years of age on or before the first September of the years in which he/she seeks admission. Relaxation in minimum age up to one year only with the approval of the Vice-Chancellor is permissible (Such candidate should apply for relaxation only at the time of admission). Candidates who are short in age by more than one year are not eligible for admission.



**Academic Eligibility:** Candidates must have passed the qualifying examination, i.e., Senior Secondary [10+2] or equivalent from any system of education as recognized by the Association of Indian Universities ([www.aiuweb.org](http://www.aiuweb.org)). Candidates should have completed successfully Mathematics, Physics and Chemistry in 12th, as applicable in the respective boards.

AND

Must have secured a minimum of at least 60% marks in Physics, Chemistry and Mathematics or 6.75 CGPA (on a 10 point scale) or equivalent in the qualifying examination.

AND

Candidates should have a valid SAT-II score (Subjects: Mathematics Level -II and Physics). The best valid score in each subject will be considered for arriving at the total score which will be used for merit list preparation.

### **Residential Requirement**

Candidate must be Foreign Nationals/Persons of Indian Origin who have completed the Qualifying examination in any country (including India)

OR

Indian Nationals studying abroad.

In case of Indian Nationals, they must have completed the 11th and 12th standard or equivalent from outside India only.

### **Definition of Persons of Indian Origin**

"Persons of Indian Origin" (PIO) in this context means a person having foreign citizenship (except Pakistan and Bangladesh) without "NRI" status, but who holds a Foreign Passport at the time of sending application, consideration for admission and during the period of his study and he/she or anyone/ both of his/her parents or anyone/ both of his /her grandparents is (or was) / are (or were) citizen (s) of India by virtue of the provisions of the Constitution of India or Section 2 (b) of Citizenship Act, 1955 (Act No. 57 of 1955).

### **Definition of Foreign Nationals**

Foreign National (FN) in this context means an individual having citizenship of a foreign country (citizens of all countries other than India) and not having the status of NRI and/or Persons of Indian Origin (PIO). **The Foreign nationals or PIO nominated through/by Indian Council for Cultural Relation OR Government of India would be eligible.**

### **Admission Procedure**

Admission to B. Tech programs for NRI/PIO/Foreign National will be strictly on the basis of SAT-II (Maths-level-II and Physics) Score. Candidates are required to apply online through DTU admission website [www.dtuadmissions.nic.in](http://www.dtuadmissions.nic.in). Please refer counseling schedule and all related information available on this web site.

**Medium of Instructions:** Medium of Instructions is English in this University.



**Fees:**

1. US\$ 7000 (US Dollars Seven Thousand) annually for students of NRI/FN/PIO.
2. US\$ 5000 (US Dollars Five Thousand) annually for Foreign Nationals who are nationals of SAARC countries.
3. US\$ 5000 (US Dollars Five Thousand) annually for candidates from Nepal and Bhutan.

### 3.11 Nominees of the Government of India

- (a) One seat over and above the normal total intake in DTU is reserved for Wards/Children of India based staff posted at Indian Missions abroad provided they have passed their qualifying examination from outside India. Nominations against this seat will be made by the Ministry of External Affairs, G.O.I., New Delhi. Any person who is sponsored by the Govt. of India on an assignment abroad will be treated to be the staff posted in Indian Mission abroad.

**NOTE :**

In case of countries where educational facilities are totally inadequate and are not available upto the qualifying standard or due to situation of turmoil in the country, the wards/children of the Indian Mission based personnel who had to study in India are also eligible if a certificate to this effect is issued by the Indian Ambassador in the country concerned and is attached with the application. However, if the nomination of the Ministry of External Affairs is for more than one candidate, preference will be given to the candidate covered under Clause (a), above.

- (b) Six seats in DTU courses of (Electrical-1, Electronics and Communication-1, Mechanical-1, Civil-1, Production-1, Computer-1) over and above the normal intake are reserved for candidates from friendly and developing countries. Nominations against these seats will be made by the Government of India.

### 3.12 Counselling Schedule 2013-14

Delhi Technological University will hold online counselling for admission to 1st year B.Tech (Full-time) strictly based on all India Overall Rank prepared by giving 40% weightage (suitably normalized) to class XII (or equivalent examination) or other qualifying examination marks and 60% to the performance in JEE (Main)-2013 Examination and also the candidate must have declared eligible for Central Counselling by the CBSE for Indian students. Admissions for NRI, FN, PIO candidates will be based on SAT-II (physics, Maths level-II) score.

#### Online Registration

The candidates who have appeared in JEE(Main)-2013 and have been declared eligible for Central Counselling by the CBSE and eligible NRI/FN/PIO candidates should apply online for the counselling as per the schedule given:



1. Opening of Registration and Registration Fee submission	27.06.2013 (Thursday)
2. Opening of Application and Choice filling	29.06.2013 (Saturday)
3. Closing of Registration Fee submission	10.07.2013 (Wednesday)
4. Closing Registration and Choice filling	12.07.2013 (Friday)

### Instruction For CW/PD/NRI/PIO/FN Candidates

All CW (Children/War Widows of Defense Personnel Killed/Disabled in Action) candidates who are registered are required to appear before the Admission Committee, at Convocation Hall, DTU, Delhi on 13.07.2013 for their sub-category CW certificate verification. They should bring their JEE (Main)-2013 admit card, and CW subcategory certificate for required priority.

All NRI/FN/PIO category candidates are required to appear before the admission Committee at Convocation Hall, DTU, Delhi on 15.07.2013 for their SAT score and eligibility criteria verification. They should bring all required documents in original for verification. If found eligible in all respect, candidates are required to deposit a Demand Draft of Rs. 1000 (in favour of Registrar, Delhi Technological University, payable at New Delhi) towards the registration fee. NRI/FN/PIO category candidates should not deposit registration fee through Bank challan. They can register and fill their choices on web site between 29-06-2013 to 12-07-2013.

All candidates belonging to PD (Persons with Disabilities) category, who are registered are required to appear before the Medical Board at Sanjay Gandhi Memorial Hospital S-Block, Mangolpuri, Delhi 110083 on 15.07.2013 and 16.07.2013 (any one day).

1. Verification of documents for CW category candidates	13.07.2013 (Saturday)
2. Verification of SAT score and eligibility criteria for NRI/FN/PIO category candidates at DTU	15.07.2013 (Monday)
3. Medical Examination for PD (Persons with Disabilities) candidates.	15.07.2013 (Monday) & 16-07-2013 (Tuesday)

It is mandatory for PD, CW, NRI, FN, PIO candidates to report on given date and time at the places given above otherwise they would not be eligible for admission. First list of seat allotment for CW, PD, NRI, FN and PIO candidates will be announced in second round of counselling on 22.07.2013.

### General Instructions And Schedule Of Counselling:

Based on information provided by the Candidates in on-line registration and on-line filling of choices of branches, a list of provisionally selected candidates will be displayed on website and such candidates are required to



report at DTU as per the schedule given below. It may please be noted that no separate letters will be issued by the University for such candidates. It is in the interest of the candidates that they should regularly visit the admission website [www.dtuadmissions.nic.in](http://www.dtuadmissions.nic.in). If the provisionally selected candidate does not report for admission at DTU on the specified date with required original documents/testimonials/certificates and Fees, he/she shall forfeit his/her right of admission and the seat shall be allotted to the next eligible candidate

<b>I</b>		<b>FIRST ROUND</b>
(a)	Display of List of provisionally selected candidates	13.07.2013 (Saturday, 05:00 PM)
(b)	Reporting at DTU (09:00 AM to 05:00 PM)	
	Delhi Region - General Category candidates: JEE (Main) Rank upto 4000	14.07.2013 (Sunday)
	Delhi Region - General Category candidates: JEE (Main) Rank above 4000	16.07.2013 (Tuesday)
	Outside Delhi General and OBC Category Candidates	17.07.2013 (Wednesday)
	Delhi Region: OBC Candidates	18.07.2013 (Thursday)
	SC/ST/KM/SG/TP Candidates: All Region	19.07.2013 (Friday)

**NOTE:** Candidates reporting at DTU for admission are required to collect a token issued at Main Gate of DTU.

<b>II</b>		<b>SECOND ROUND</b>
(a)	Display of List of provisionally selected candidates	22.07.2013 (Monday, 05:00 PM)
(b)	Reporting at DTU (09:00 AM to 05:00 PM)	
	General Category : All Region	23.07.2013 (Tuesday)
	OBC, CW, PD Candidates: All Region	24.07.2013 (Wednesday)
	SC, ST, KM, SG, TP Candidates: All Region and NRI, FN, PIO Candidates	25.07.2013 (Thursday)

<b>III</b>		<b>THIRD ROUND (subjected to availability of vacancies)</b>
(a)	Display of List of provisionally selected candidates	26.07.2013 (Friday, 05:00 PM)
(b)	Reporting at DTU (09:00 AM to 05:00 PM)	
	General Category : KM, SG Candidates: All Region	29.07.2013 (Monday)
	OBC, SC, ST, CW, TP : All Region and NRI, FN, PIO Candidates	30.07.2013 (Tuesday)



Vice Chancellor address to the new entrant to DTU in the DTU Auditorium at 11:00 A.M. followed by registraton and orientaton. (All admitted candidates)	01.08.2013 (Thursday) 11:00 A.M.
Classes begin	02.08.2013 (Friday)

**IMPORTANT: PHYSICAL ATTENDANCE ROUND (TO PARTICIPATE IN REMAINING ROUNDS OF COUNSELLING)**

All the eligible candidates who are not allotted any set till IIIrd round of counselling are required to report at DTU on 05.08.2013 for PHYSICAL ATTENDANCE. Candidates or their representative are to report physically on 05.08.2013 and 06.05.2013 (as per schedule given for Physical Attendance) at DTU for marking their physical attendance for participating in remaining rounds of counselling. In case the candidate or hir representative fails to report physically, he/she shall not be eligible for the next round of the counselling.

**SCHEDULE FOR PHYSICAL ATTENDANCE ROUND:**

DATE	TIME	Candidate Category
05.08.2013	09:00 AM - 01:00 PM	Delhi Region General Category candidates below JEE (Main) Rank 20000
05.08.2013	02:00 PM - 05:00 PM	Outside Delhi Region General category candidates below JEE (Main) Rank 15000
06.08.2013	09:00 AM - 01:00 PM	SC/ST/OBC/PD/CW (All Region)
06.08.2013	02:00 PM - 05:00 PM	Delhi Region General Category Candidates above JEE (Main) Rank 20000 Outside Delhi Region General category candidates above JEE (Main) Rank 15000

**IV FOURTH ROUND (subjected to availability of SEATS)**

(a)	Display of List of provisionally selected candidates	09.08.2013 (Friday, 05:00 PM)
(b)	Reporting at DTU (09:00 AM to 05:00 PM)	
	All Region - all categories - all subcategories	12.08.2013 (Monday)

**V FIFTH ROUND (subjected to availability of SEATS)**

(a)	Display of List of provisionally selected candidates	16.08.2013 (Friday, 05:00 PM)
(b)	Reporting at DTU (09:00 AM to 05:00 PM)	
	All Region - all categories - all subcategories	19.08.2013 (Monday)



<b>VI SIXTH ROUND (subjected to availability of SEATS)</b>		
(a)	Display of List of provisionally selected candidates	23.08.2013 (Friday, 05:00 PM)
(b)	Reporting at DTU (09:00 AM to 05:00 PM)	
	All Region - all categories - all subcategories	26.08.2013 (Monday)

**Spot Admissions (Subject to availability of vacancies)**

Spot round of admission will be held only if seats remain vacant after Sixth round of counseling.

All candidates who have not been allotted any seat till Sixth Round of counseling are eligible for SPOT Admissions provided they have marked their PHYSICAL ATTENDANCE on 05.08.2013 and 06.08.2013 at DTU. Branch allotted to the candidates in SPOT admissions shall be FINAL and will not be upgraded in any case.

Guidelines for Spot admissions will be available soon on this web site.

**SPOT Admissions**

<b>SPOT ADMISSIONS ROUND</b>		
(a)	Display of available vacancies for All categories	28.08.2013 (Wed., 05:00 PM)
(b)	Reporting at DTU: All region, All categories	30.08.2013 (Friday)

**Last date of admission: 30-08-2013 (Friday)**

**NOTE:** Candidates reporting at DTU for admission are required to collect a token issued at Main Gate of DTU.

**VENUE FOR REPORTING FOR ADMISSION AT DTU:** Convocation Hall, Delhi Technological University (formerly Delhi College of Engineering), Near Sector 17, Rohini, Shahbad Daulatpur, Bawana Road, Delhi 110042.

DTU is well connected from Rohini sector 9,10,11,12,13,14,15,16,17,18 and Rohini East, Rohini West, Pitampura, Rithala Metro Stations. Metro feeder buses are available from Rithala Metro station to DTU.

**DTU bus shall also ply between Rithala Metro station and DTU at frequent interval between 9AM to 2 PM during reporting days of every round of counselling.**

NOTE: - (i) Candidates are required to visit the university website for updates.  
(ii) The university shall place the advertisement in leading newspapers (at least One Hindi and One English) for the Spot Round of counselling.



(iii) The Delhi region candidates claiming the benefit of reservation under SC, ST and OBC categories are required to produce the caste certificate issued by the Govt of NCT of Delhi only. No other certificate will be accepted.

### 3.13 DTU Admission Help Desk

Candidates applying for B.Tech Admissions 2013-14 are required to read all documents/Information available on this web site before making any query on helpline number(s)/helpline email ID. No suggestion regarding filling choices for branches will be made on helpline. Any query related to prediction of branch will be ignored on helpline.

For any help regarding admission, use the help line number (from 10:00 am to 05:00 pm)

**Helpline Number:** 9871843032 (from 10:00 am to 05:00 pm Only)

**Helpline Email ID:** btechhelp2013.dtu@gmail.com





## ADMISSION TO B.TECH (Evening) PROGRAMS

### 1. B.Tech ( Evening) Programmes

B.Tech (Evening) programmes are of four years duration. The classes are held six days a week in the evening from 6 to 9 P.M. Admission to these programmes are made on the basis of the merit of the candidates in an Entrance Examination. This examination will consist of two papers. The first paper will be common to all programmes and the second paper will be specific for each programme.

### 2. Programmes Offered

The following B.Tech (Evening) programmes are offered by the University, leading to the B.Tech (Evening) Degree of Delhi Technological University.

Programmes	Branch Code	No. of Seats
Civil Engineering	CECE	45
Mechanical Engineering	CEME	46
Electrical Engineering	CEEE	46
Electronics & Communication Engineering	CEEC	45
Information Technology	CEIT	30
	<b>Total</b>	<b>212</b>

### 3. Reservation

- (a) The reservation in admission for all the B. Tech (Evening) Programmes for SC/ ST/OBC shall be provided as per the policy of Govt. of Delhi approved by the Board of Management of DTU. 15%, 7.5%, and 27% of the total seats in each programme were reserved for SC, ST and OBC category respectively. Candidates seeking admission under these categories must produce the SC/ST/OBC certificate issued by Govt. of NCT of Delhi. A list of approved authorities given below:
- (i) District Magistrate/ Additional District Magistrate/ Deputy Commissioner/Collector/ Additional Deputy Commissioner/ Deputy Collector / I Class Stipendiary Magistrate/ City Magistrate (Not below the rank of I Class Stipendiary Magistrate)/ Sub-Divisional Magistrate/ Taluka Magistrate/Executive Magistrate/ Extra Assistant Commissioner.



- (ii) Chief Presidency Magistrate / Additional Chief Presidency Magistrate/Presidency Magistrate.
  - (iii) Revenue Officer not below the rank of Tahsildar.
  - (iv) Sub-divisional Officer of the area where candidate and / or his / her family normally reside.
  - (v) Administrator / Secretary to administrator / Development Officer (Lakshadweep).
- (b) One seat in each programme is reserved for employees of Delhi Technological University / Netaji Subhash Institute of Technology/ ITIs / Polytechnics under the direct control of Department of Technical Education, Govt. of NCT of Delhi. Such candidates shall also appear in the Entrance Examination and compete amongst themselves for a seat in each branch. Candidates applying for staff seat should route their applications through the Registrar, DTU / Director of Technical Education, Govt. of NCT of Delhi in the case of Polytechnics / ITIs.
- (c) 3% of the total seats in each programme are reserved with disabilities candidates. 1% for persons with low vision of blindness, 1% for hearing impaired and 1% for those with Locomotor disabilities and/or cerebral palsy. Candidate Seeking admission in PWD category shall have to appear before a medical board to be constituted by DTU.

#### 4. Eligibility Conditions

- (a) The candidates seeking admission to B. Tech (Evening) Programmes, must have passed a State Diploma Examination of three years duration in the corresponding branch or any other examination, recognized equivalent there to by the Delhi Technological University with a minimum aggregate (aggregate of all six semesters / three years) of 55% (45% for SC/ST candidate). Note: "Passing the said examination" will be construed to imply the date of last examination (Annual or otherwise taken by the candidate leading to Complete Fulfillment of the requirements for the award of three years State Board Diploma.)

**Note:** In case the candidate is not having Diploma in the corresponding branch, their candidature shall be examined by the Equivalence Committee constituted by Vice-Chancellor, DTU.

- (b) (i) After passing the said examination, a candidate must have an experience of not less than one year as on 1st September, 2013, in full-time employment, training or apprenticeship in installation, operation and maintenance or some other recognized field of work in an approved engineering work/organization, located in the **National Capital Territory of Delhi and contiguous industrial areas** i.e Bahadurgarh, Ghaziabad, Faridabad, Sonapat, Gautam Buddha Nagar (Noida & Gr. Noida) and Gurgaon.



- (ii) Candidate must produce a 'No objection certificate' in original in the prescribed form (available with the application form) from the employer, The 'No objection certificate' issued by the employer should be renewed annually.
- (c) Candidate should be 19 years of age as on 01-09-2013. Relaxation in age up to one year only is permissible with the approval of the Vice-Chancellor. Such candidates should apply for relaxation at the time of admission.
- (d) Discrepancy in fulfillment of eligibility criteria found at any stage may lead to cancellation of admission.
- (e) The candidate should be an Indian national.

**Note:** No admission shall be made directly to the second or subsequent years of B.Tech (Evening) programme.

## 5. Procedure for Admission

- (a) The admission to B.Tech (Evening) Programme shall be done by Delhi Technological University on the basis of the rank secured by the candidates in the Entrance Examination. In case more than one candidate have equal marks in the Entrance Examination, the marks obtained in the qualifying examination as stated in the eligibility conditions will form the basis of merit for admission. In the event of marks in the qualifying examination also being equal, the candidate born earlier will be given preference.
- (b) The successful candidates up to the specified rank in each category and branch shall present themselves for admission before the admission committee on the scheduled dates and time.
- (c) The candidates reporting for admission are required to bring the following documents along with one set of attested copies.
- i. Original Class 10th certificate (indicating the Date of Birth)
  - ii. Original Diploma certificate.
  - iii. Original Mark sheets of each year/sem of Diploma.
  - iv. Original SC/ST/OBC/PWD certificate.
  - v. Original Appointment letter.
  - vi. Employer's Company profile.
  - vii. Original Experience certificates

**Note:** Item number (vi) is not required for candidates employed in Govt./Semi. Govt./Public Sector Undertakings.

- (d) The candidate must bring the photocopy of Sale Tax Clearance Certificate/ ITCC / Company Registration Certificate / any evidence which shows that the company in which they are working, works for any Government / Public Sector Undertaking/Local Government Bodies.



- (e) If the candidate fails to bring the other documents mentioned in (c) & (d), the admission committee reserves the right to cancel his/her claim for admission to B.Tech (Evening) Program.

## 6. University Medals & Scholarship

The following medals are to be awarded by the University at the annual convocation/degree distribution Ceremony.

- (i) **Lt. Governor's Gold Medal:** Awarded to an outgoing student of final year adjudged as the best student of the year on the basis of all round performance.
- (ii) **Chief Minister's Gold Medal:** Awarded to outgoing student of final year adjudged as the best student on the basis of best academic performance.
- (iii) **VC Gold Medal:** Awarded to the outstanding performer of B.Tech. (Part-Time) student.
- (iv) **\*Dr. S.P. Luthra Gold Medal:** Awarded to the best performer in Mechanical/Electrical Engineering from amongst the graduates of the year.
- (v) **\*Prof. J.N. Moudgill Gold Medal:** Awarded to the best performer in Mechanical/Electrical/Civil Engineering from amongst the graduates of the year.
- (vi) **\*Prof. Arun Kumar Memorial Gold Medal:** Awarded to an outgoing student each of Electrical, E&C, COE & I.T. whose performance is adjudged as best in Industrial Practical Training.
- (vii) **\*IEEE-P. Kundu Gold Medals:** Awarded to an outgoing student each of Electrical, E&C, COE & I.T. whose performance is adjudged as best in Industrial Practical Training.
- (viii) **\*Rohit Lakhani Gold Medals:** Awarded to engineering drawing topper of the 1st Semester and aggregate topper of the 1st semester respectively.
- (ix) **\*DCE Alumni Gold Medal:** Awarded to the topper of B.Tech (EC).
- (x) **\*Kewal Krishan Gera Memorial Gold Medal:** Awarded to outgoing student of Mechanical/Production Engineering.
- (xi) **\*Goswami Brothers Alumni Gold Medal:** Awarded to II & III year student of B.Tech Polymer Science & Chemical Technology.
- (xii) **Neena Nangia Memorial Gold Medal:** Awarded to the III year B.Tech (EE) student on the basis of II year final examination marks (III semester + IV semester taken together) \*All these medals are subject to the release of funds by the persons instituting these medals.
- (xiii) **Prof. J.B.P. Tripathi Memorial Scholarship** of Rs. 1500/- awarded each year to a student who has scored the highest marks in Chemistry in first year B.Tech Programs at DTU.
- (xiv) **1959 Class Scholarship** of Rs. 10,000/- awarded to one student, each of I, II, III & IV year.
- (xv) **Association of 1969 Civil Engg. Batch DCE scholarship** of Rs. 12,000/- awarded each year to four students of Civil Engg. on merit basis.
- (xvi) **Hope & Helping Hand Society Scholarship:** A Charitable organisation of Alumni of DCE 1962-67 batch, has sponsored six scholarships three each for First Year & Second Year B.Tech students. The amount of each scholarship is Rs. 18,000/- per annum.



## ACADEMIC CALENDAR FOR M.Tech / MBA / Ph.D 2013-14

### ODD SEMESTER

01.08.2013 (Thu) : Vice Chancellor's Address to newly admitted students of all programs, Registration of all students; Teaching starts for all classes.

**MID Semester Examination: September 09-14, 2013 (Monday - Saturday)**

08.11.2013 (Fri) : Teaching ends for all classes

12.11.2013 (Tue) : Display of sessional marks and shortage of attendance

**END Sem Theory & Practical Examination: 18.11.2013 (Monday) onwards**

06.12.2013 (Fri) : Winter Vacation\*, Workshop Training, Survey Camp, Industrial Training to 03.01.2014 (Fri)

### EVEN SEMESTER

06.01.2014 (Mon) : Registration & Teaching starts for all classes

**MID Semester Examination: March 10-15, 2014 (Monday-Saturday)**

02.05.2014 (Fri) : Teaching ends for all classes

06.05.2014 (Tue) : Display of sessional marks and shortage of attendance

**End Sem Theory & Practical Examination: 12.05.2014 (Monday) onwards**

30.05.2014 (Fri) : Summer Vacation\*, Workshop Training, Industrial Training

01.08.2014 (Fri) : University reopens after summer vacation

1. **Technical Fest: February 10-12, 2014 (Monday - Wednesday)**

2. **Engifest: February 13-16, 2014 (Thursday-Sunday)**

\*Except M.Tech and Ph.D students.



## 4. ADMISSION TO M.TECH PROGRAMS\*

### Seat Matrix for M.Tech (Full Time) Programmes for the Session 2013-14

S.No.	Department / Branch	No. of Seats									
		General		SC		ST		OBC		Total	Sponsored
		Open	PD	SC	SC-PD	ST	ST-PD	OBC	OBC-PD		
1.	<b>Applied Chemistry (AC)</b>										
	(i) Polymer Technology (PT)	10	-	03	-	01	-	06	-	20	5
2.	<b>Applied Physics (AP)</b>										
	(i) Nano Science & Technology (NST)	10	-	03	-	02	-	05	-	20	5
	(ii) Nuclear Science & Engineering (NSE)	09	-	03	-	01	-	05	-	18	5
3.	<b>Bio Technology (BT)</b>										
	(i) Bioinformatics (BIMTS)	09	01	03	-	02	-	05	-	20	5
	(ii) Bio Medical Engineering (BME)	09	-	03	-	01	-	05	-	18	5
	(iii) Industrial Bio-technology (BT)	09	-	03	-	02	-	05	-	19	5
4.	<b>Civil Engineering (CE)</b>										
	(i) Geotechnical Engineering (GEO)	10	-	03	-	01	-	05	01	20	5
	(ii) Hydraulic & Water Resources Engineering (HWRE)	10	-	03	-	01	-	05	-	19	5
	(iii) Structural Engineering (STR)	10	-	03	-	02	-	05	-	20	5
5.	<b>Computer Engineering (COE)</b>										
	(i) Computer Science & Engineering (CSE)	10	-	02	01	02	-	05	-	20	5



	(ii) Software Engineering (SE)	09	01	03	-	01	-	05	01	20	5
<b>6</b>	<b>Electronics &amp; Communications Engineering (ECE)</b>										
	* (i) Microwave and Optical Communication (MOC)	10	-	03	-	02	-	05	-	20	5
	(ii) Signal Processing & Digital Design (SPDD)	10	-	03	-	01	-	06	-	20	5
	(iii) VLSI Design and Embedded System (VLSI)	10	01	03	-	01	-	05	-	20	5
<b>7</b>	<b>Electrical Engineering (EE)</b>										
	(i) Control & Instrumentation (C&I)	10	-	03	-	02	-	05	-	20	5
	(ii) Power System (PS)	09	01	03	-	01	-	06	-	20	5
<b>8</b>	<b>Environment Engineering (ENV)</b>										
	(i) Environmental Engineering (ENE)	09	01	03	-	01	01	05	-	20	5
<b>9</b>	<b>Information Technology (IT)</b>										
	(i) Information System (IS)	10	-	03	-	02	-	05	-	20	5
<b>10</b>	<b>Mechanical Engineering (ME)</b>										
	(i) Computational Design (CD)	09	-	03	-	01	-	05	-	18	5
	(ii) Production Engineering (PRD)	09	01	03	-	01	-	05	01	20	5
	(iii) Renewable Energy Technology (RET)	09	-	02	-	01	-	05	-	17	5
	(iv) Thermal Engineering (THER)	10	-	02	01	02	-	05	-	20	5
	<b>TOTAL</b>	<b>210</b>	<b>06</b>	<b>63</b>	<b>02</b>	<b>31</b>	<b>01</b>	<b>113</b>	<b>03</b>	<b>429</b>	<b>110</b>

\*Conducted by jointly Electronics & Communication Engineering and Applied Physics Department.



## Seat Matrix for M.Tech (Part Time) Programmes for the Session 2013-14

S.No.	Department / Branch	No. of Seats									
		General		SC		ST		OBC		Total	
		Open	PD	SC	SC-PD	ST	ST-PD	OBC	OBC-PD		
1.	AC - PT	04	-	01	01	-	-	02	-	08	
2.	ENV - ENE	04	-	01	-	01	-	02	-	08	
3.	CE - HWRE	03	-	01	-	-	-	02	01	07	
	CE - STR	03	01	01	-	01	-	02	-	08	
4.	COE - CSE	04	-	01	-	01	-	02	-	08	
5.	ECE - SPDD	04	-	01	-	-	-	02	-	07	
6.	EE - C&I	04	-	01	-	01	-	02	-	08	
7.	ME - PRD	04	-	01	-	-	-	02	-	07	
	ME - THER	04	-	01	-	01	-	02	-	08	
	<b>TOTAL</b>	<b>34</b>	<b>01</b>	<b>09</b>	<b>01</b>	<b>05</b>	<b>-</b>	<b>18</b>	<b>01</b>	<b>69</b>	

### Eligibility Criteria for Admissions in various M.Tech programs

#### Educational Qualifications

##### (A) FULL TIME PROGRAM

##### A.1 M.Tech (CE/EE/ME/PE)

- i. A candidate must have passed the Bachelor's Degree Examination in the appropriate branch of engineering (Electrical / Mechanical / Production / Electronics & Communication / Civil / Control & Instrumentation/ Computer Engineering/ Information Technology with a minimum of 60% marks in aggregate from a recognised University or any other Examination recognized by the University Equivalent thereto.

OR



A candidate must have passed in the A.M. I.E. (India) Exam, with appropriate specialization/ Grade I.E. T.E. (India) A.M.I.E. (London) A.M.I. Mech. Engg. (London) A.M.I. Structure Engineering, any other examination in the concerned branch recognized as equivalent to B.Tech by the University.

- ii. A candidate for admission to full time program must have qualified in the GATE (Graduate Aptitude Test in Engineering).

**A.2 M.Tech (Polymer Technology)**

- i. The candidate should have passed B.E./B.Tech Examination in any branch of Engineering with a minimum of 60% marks in aggregate from a recognised University or any other Examination recognized by the University equivalent thereto:

OR

M.Sc (Chemistry) of any recognized University or equivalent thereto.

- ii. All the candidates for admission to full time M.Tech Programs must have qualified in the GATE (Graduate Aptitude Test in Engineering).

**A.3 M.Tech (Computer Science and Engineering)**

- i. The candidate should have passed B.E./B.Tech degree from a recognized University in Computer Engineering / Software Engineering / Information Technology / Electronics & Communication / Electrical Engineering or M.Sc in Computer Science (with Physics and Mathematics at the B.Sc. level) or M.C.A. (with Physics and Mathematics at B.Sc. level) with a minimum of 60% marks in aggregate from a recognised University or any other examination recognized by the DTU equivalent thereto.

- ii. A candidate for admission to full-time M.Tech Program must have qualified in the GATE (Graduate Aptitude Test in Engineering).

**A.4 M.Tech (Microwave and Optical Communication)**

- i. The candidate should have passed B.E./B.Tech Examination in Electronics & Communication with a minimum of 60% marks in aggregate from a recognised University or any other examination recognised by DTU equivalent thereto.

OR

M.Sc. Electronics/M.Sc. in Physics with Electronics/Radio Physics/Solid State Physics with a minimum of 60% marks in aggregate from a recognised University or any other examination recognised as equivalent by DTU.



- ii. A candidate for admission to full-time M.Tech Program must have qualified in the GATE (Graduate Aptitude Test in Engineering).

**A.5 M.Tech (Bioinformatics)**

- i. A candidate who has passed B.Tech (Biotechnology, Biochemical Engineering, Chemical Engineering or equivalent / M.Sc. Micro Biology / Biotechnology from any University recognised by UGC or equivalent thereto with a CGPA 6.75 on a 10 point scale or 60% marks.
- ii. A candidate for admission to full time program must have qualified the GATE examination.

**A.6 M.Tech.(VLSI Design and Embedded System)/ Information Systems**

- i. A candidate must have passed the Bachelor's Degree Examination in Electronics & Communication /Electrical & Electronics / Information Technology/ Computer Engineering with a minimum of 60% marks in aggregate from a recognized university or any other examination recognized by the university equivalent thereto.

OR

A candidate must have passed in the A.M.I.E. (India) Exam., with appropriate specialization / Grade I.E.T.E. (India) with a minimum of 60% marks in aggregate or in any other examination in the concerned branch recognized as equivalent to B. E. / B.Tech by University.

- ii. A candidate for admission to full time M.Tech program must have qualified in the GATE (Graduate Aptitude Test in Engineering) in EC for VLSI Course and CS / EC /IT for the Information Systems course.

**A.7 M.Tech (Nano Science & Technology)**

- i. A candidate who has passed B.E. / B.Tech degree from a recognised University in Electronics & Communication, Electrical, Electrical & Electronics, Chemical Engineering / Polymer Technology / Bio-Technology with a minimum of 60% marks in aggregate.

OR

M.Sc. Electronics/M.Sc. in Chemistry / M.Sc. in Physics and M.Sc. in Mathematical Science with a minimum of 60% marks in aggregate from a recognised University or any other examination recognised as equivalent by the University.

- ii. A candidate for admission to full time program must have qualified in the GATE (Graduate Aptitude test in Engineering).



**A.8 M.Tech (Software Engineering)**

- i. The candidate should have passed B.E./B.Tech (or its equivalent examination as specified in Computer Engineering / IT / EC or M.Sc. in Computer Science (with Physics at the B.Sc. level) or M.C.A. (with Physics and Mathematics at B.Sc. level) with a minimum of 60% marks in aggregate of a recognised University or any other examination recognised by the University equivalent there to.
- ii. A candidate for admission to full time program must have qualified in the GATE (Graduate Aptitude test in Engineering).

**A.9 M.Tech (Power System)**

- i. A candidate must have passed the B.E./B.Tech Examination in the appropriate branch of Electrical Engineering, Electrical & Electronics Engineering with a minimum of 60% marks in aggregate from a recognized University or any other Examination recognised by the University Equivalent thereto.

OR

- A candidate must have passed in the A.M.I.E. (India) Exam, with appropriate specialization / Grade I. E.T.E. (India), A.M.I.E. (London) with a minimum of 60% marks in aggregate or in any other examination in the concerned branch recognized as equivalent to B.Tech by the DTU, Delhi.
- ii. A candidate for admission to full time program must have qualified in the GATE (Graduate Aptitude test in Engineering).

**A.10 M.Tech (Nuclear Science & Engineering)**

- i. A candidate who has passed B.E./ B.Tech degree from a recognised University in Engineering Physics/ Mechanical/ Electronics & Communication/ Electrical / Electrical & Electronics/ Chemical Engineering / Polymer Technology / Bio-Technology with a minimum of 60% marks in aggregate.

OR

- M.Sc. in Physics/ Applied Physics/ Electronics/Nuclear Physics/Chemistry or B.E. / B.Tech in Engineering Physics or any branch of Engineering with minimum of 60% aggregate marks.
- ii. A candidate for admission to full-time M.Tech Program must have a valid GATE (Graduate Aptitude test in Engineering) score.



**A.11 M.Tech (Computational Design)**

- i. A candidate must have passed the Bachelor's Degree Examination in the appropriate branch of engineering (Mechanical / Production / Industrial/ Automobile/ Manufacturing Science/ Welding Technology/ Aerospace Engineering/ Aeronautical Science/ Engineering Physics) with a minimum of 60% marks in aggregate from a recognised University or any other Examination recognized by the University Equivalent thereto.
- ii. A candidate for admission to full time program must have qualified in the GATE (Graduate Aptitude Test in Engineering).

**A.12 M.Tech (Bio Medical Engineering)**

- i. A candidate is eligible who has passed B. Tech/B.E in Biotechnology Engineering, Electrical, Electronics, Mechanical, Computer Engineering, Biomedical Engineering or M. Sc in Biochemistry, Biophysics, Biotechnology, Medical Biotechnology, Instrumentation or MBBS or M. Pharma/B. Pharma from any University recognized by UGC or equivalent thereto with a CGPA 6.75 on a 10 point scale or 60% marks.
- ii. A candidate for admission to full time program must have qualified in the GATE (Graduate Aptitude Test in Engineering).

**A.13 M.Tech (Industrial Biotechnology)**

- i. A candidate is eligible who has passed B. Tech (Biotechnology) or equivalent or M. Sc in Life Sciences or equivalent from any University recognized by UGC or equivalent thereto with a CGPA 6.75 on a 10 point scale or 60% marks.
- ii. A candidate for admission to full time program must have qualified in the GATE (Graduate Aptitude Test in Engineering).

**A.14 M.Tech (Renewable Energy Technology)**

- (i) A candidate must have passed the Bachelor's degree examination in any branch of engineering such as (Mechanical/Production/ Electrical/EEE/Chemical/Civil/Agricultural/Environmental/ Electronics and Communication/Engg. Physics/Energy Systems or any other energy relevant equivalent branch of engineering or M.Sc. in Physics/Chemistry/Electronics/ Biotechnology/ Environmental science with a minimum 60% marks in aggregate or equivalent cumulative grade point average from a recognised university or any other recognised institute by the university equivalent thereto as per DTU norms.
- ii. A candidate for admission to full-time M.Tech. Program must have a valid GATE (Graduate Aptitude test in Engineering) score.



**(B) The Part Time M.Tech Program**

Instruction of part-time Programs are normally arranged from 9.00 a.m. to 11.00 a.m. on 5 days a week and on Saturdays / Sundays, if necessary. Whenever possible the full-time students and part time students may have combined classes. Candidates are eligible for admission to these programs provided they satisfy the eligibility requirement as in A.1 (i) or A.2 (i) or A.3 (i) and also the following conditions:

- i. Should be working in an Engineering Institution in the National Capital Region, Delhi and must have meaningful experience of 1 year before admission.

OR

Should be employed in approved reputed Industry / Research / Development / Design / Training Organizations in National Capital Region, Delhi and must have had meaningful experience of 1 year before admission.

- ii. Candidate will be required to continue in such employment during entire period of Program. Candidates applying for Part-Time Program must submit the following documents/ undertaking:
  - (a) A clear No objection Certificate (without qualifying conditions) and
  - (b) Permission to undergo any training / project outside Delhi for about one month. This must be submitted along with the application form.

**(C) Sponsored Candidates**

A government organization or a reputed industry in the National Capital Region of Delhi may sponsor candidates for full-time programs in various specializations provide they satisfy the eligibility requirements as per A.1(i) or A.2 (i) or A.3 (i) or A.4 (i) or A.5 (i) or A.6 (i) or A.7 (i) or A.8 (i) or A.9 (i) or A.10(i) or A.11(i) or A.12(i) or A.13(i) or A.14(i) and must have meaningful experience of one year before admission.

**NOTE:** Full-time sponsored candidates must submit a sponsorship certificate (format available on this website).

**(D) Age Requirement**

A candidate should have attained the age of 21years before the first day of September in the year in which he/she seeks admission. However, the Vice Chancellor may relax the age limit to a maximum period of one year.



### **(E) Reservation**

Reservation policy for the year 2013-14 would be notified on the DTU admissions website [www.dtuadmissions.nic.in](http://www.dtuadmissions.nic.in)

- i. 3% seats in post graduate program will be reserved for candidates with physical disability. These reservation will be implemented department wise in post graduate courses. Candidates seeking admission as detailed in eligibility conditions except relaxation of 5% marks in the minimum eligibility conditions. The 3% reservation may be allocated as follows : 1% for person with low vision or blindness; 1% for hearing impaired; 1% for those with locomotor disabilities and or cerebral palsy.
- ii. In the M.Tech. Programs one Defence Research & Development Organization sponsored candidate to each Program duly selected through DRDO selection interviews, which are participated in by the respective Head of Departments, will be accommodated in the list of candidates under sponsored category.

### **(F) Selection Procedure**

- (a) All candidates should satisfy the minimum eligibility conditions as laid down for qualifications and experience (for sponsored and part-time candidates).
- (b) Admissions for Full Time candidates shall be purely on the basis of valid GATE percentile from among the candidates registered for online admissions. If the GATE percentile is the same the percentage in qualifying examination shall decide the merit. No separate test/interview will be required. Selected candidates are required to take admission as per the schedule notified on the DTU admissions website and complete the necessary admission formalities and deposit the admission fee.
- (c) Admissions to sponsored and Part-time candidates will be on the basis of written test and interview as per the schedule notified on the DTU admissions website. The selected candidates shall be required to complete the necessary admission formalities and deposit the admission fee.
- (d) The candidates shall have to produce the required documents for verification. If a candidate fails to report for admission on the scheduled date he/she shall forfeit his claim for admission and the seat shall be offered to the next eligible candidate in the order of merit.
- (e) List of eligible sponsored and part-time candidates for interview & test shall be made available on the University admissions website [www.dtuadmissions.nic.in](http://www.dtuadmissions.nic.in) on 06.06.2013. No separate call letters will be dispatched. Written and interview shall be held on 12.06.2013.



**Further instructions to the Candidates:**

- i. Candidates are advised to make railway reservation etc. before hand.
- ii. If any sponsored/part-time candidate fails to appear in the interview on the scheduled date, he/she will not be considered for admission.
- F.1 Sponsored and part-time applicants must appear for an interview (compulsory) before the appropriate board constituted as follows:
  - 1. Head of the concerned Department in the University (Chairman).
  - 2. All the Professors in the respective Department.
  - 3. The Head of other Departments or their nominees.
  - 4. Two Assistant Professors in the concerned department by rotation in order of seniority.
- F.2 Admission of a sponsored candidate for full time Programs (without scholarship) will be governed by merit as per the procedure laid down for the admission.
- F.3 All the eligible candidates (Part Time & Sponsored) are required to appear in a written test which will be conducted on 12.06.2013 from 10 A.M. to 11 A.M. The candidates will be interviewed on the same day at 2 P.M.
- F.4 The merit list of full time candidates for admission to all the Programs will be prepared on the basis of their valid GATE score.
- F.5 The merit list of sponsored and part-time candidates for admission to all the programs will be prepared by apportioning the following weightage to their performance in qualifying examination and the written test and Viva Voce as mentioned below:

	<b>Part Time / Sponsored Candidates</b>
Qualifying Examination Aggregate	50
Written Test	30
Interview / Viva Voce	20
<b>Total</b>	<b>100</b>



F.6

- a) The list of qualified full-time candidates and selected sponsored and part-time candidates along with the wait-list will be put up on the notice board of the concerned department on 13.06.2013 by 5.00 p.m.
- b) Selected candidates will be required to submit the original Certificates and pay fees at the time of admission.
- c) No admission will be made directly to second or higher semester of any Program.
- d) Candidates securing less than 50% in the merit list will not be admitted. Admission will be made strictly in order of merit.





## 5.0 ADMISSION TO MBA PROGRAM

The DTU admits the students to the MBA Program (2 years program):

S. No.	MBA Program	Intake
1	MBA (Knowledge and Technology Management / Supply Chain Management / Information Technology Management / Financial Management / Human Resource Management / Marketing Management)	91
2	Weekend executive MBA program	30

**NOTE:** The admission schedule for MBA Admissions is generally declared after the conduct of the CAT exam, i.e., in the month of January. The admission to full time MBA program is on the basis of CAT Score, group discussion & interview.

### 5.1 Educational Qualification:

B.E. / B.Tech in any branch of Engineering / Technology with a minimum of 60% marks in aggregate. or

Ist Class Master's Degree in any branch of Physical / Chemical/ Mathematical Sciences like Physics, Chemistry, Mathematics, Statistics, Computer Application, Electronic Sciences, Environmental Sciences, Operations Research, Computational / Information Science or

Master's Degree in Commerce / Economics.

**Note :** Relaxation of 5% in marks or equivalent CGPA for SC / ST / OBC Candidates will be allowed.

### 5.2 Age Requirement

The candidate should have attained the age of 21 years before the first day of September in the year in which he/she seeks admission. However, the Vice Chancellor may relax the age limit to a maximum period of one year.

### 5.3 Reservation

Reservation policy for the year 2013-14 as may be approved by Govt. of Delhi will be notified on the website [www.dce.edu](http://www.dce.edu)



- i. 3% seats in MBA program will be reserved for persons with disabilities. These reservation will be implemented department wise in post graduate courses. Candidates seeking admission as detailed in eligibility conditions except relaxation of 5% marks in the minimum eligibility conditions. The 3% reservation may be allocated as follows : 1% for person with low vision or blindness; 1% for hearing impaired; 1% for those with locomotor disabilities and or cerebral palsy.

## 5.4 Selection Procedure

All the applications received will be short listed on the basis of performance in CAT and qualifying examination for Full-time Programs. The short listed candidates are required to appear for group discussion and interview.

**List of eligible candidate for group discussion and interview is made available on the University website [www.dce.edu](http://www.dce.edu). The selected candidates are required to deposit their fee and register for the program. The selected candidates who fail to deposit their fees and register for the program forfeit their claim for admission and the vacant seat is given to the wait listed candidate.**

**NOTE:** I. Candidates are advised to make railway reservation etc. before hand. and ii. If any candidate fails to appear in the group discussion & interview on the scheduled date, he/she is not considered for admission.

- 5.4.1 All the applicants are required to appear for an Interview (Compulsory) before the appropriate board constituted by the Vice-Chancellor, DTU.
- 5.4.2 The merit list of candidates for admission to the MBA Program will be prepared by apportioning the following weightage to their performance in CAT, group discussion & interview as mentioned below:

	Full Time Candidates
Group Discussion & Interview	20
Weightage for CAT Score	80
<b>Total</b>	<b>100</b>

- 5.4.3 a) The list of selected candidates along with the wait-list will be put up on the notice board and on DTU website [www.dce.edu](http://www.dce.edu)
- b) Selected Candidates will be required to submit the original Certificates and pay fees at the time of admission.
- c) No admission will be made directly to second or higher semester of any Program.
- d) Candidates securing less than 50% in the merit list will not be admitted. Admission will be made strictly in order of merit.



5.4.4 The selected students are requested to see the DTU ordinance rules relating to admission to courses of study, conduct and evaluation of examination for MBA Courses on the University website : [www.dce.edu](http://www.dce.edu).

### Weekend MBA Program

The Weekend Executive MBA Programme will cater to the needs of working executives who intend to learn cutting edge professional and managerial skills by pursuing such programs while continuing with their existing job assignments. The programme is of two years duration spread over four semesters. The classes will be conducted on Saturdays and Sundays.

**Eligibility Criteria:** Candidates with following educational qualification and experience are eligible to apply for the programme:

**(A) Educational Qualification:** Graduation or its equivalent with minimum 50% marks (10% relaxation to SC/ST and 5% relaxation to OBC candidates)

**(B) Experience:** Minimum 3 years work experience after four years degree (B.E., B.Tech, B.Arch etc.)

Minimum 4 years work experience after three years degree (B.A, B.Sc., B.Com, BCA, etc.)

### Selection Procedure

Candidates are required to submit their applications to the University in the prescribed Admission Form available on the University website. Completed application form along with DD of Rs. 1000/- in favour of 'The Registrar, Delhi Technological University, Delhi' payable at Delhi, should reach us by 01/07/2013 (5 p.m.) at Registrar, Delhi Technological University, Shahbad-Daultapur, Bawana Road, Delhi-110042.

The selection of the candidates will be made on the basis of work experience, academic performance and performance in Group Discussion/Personal Interview to be conducted at Delhi Technological University Campus. Working Executives are required to produce a 'No Objection Certificate' in prescribed format at the time of joining the programme.

### Programme Fee

The fee for this programme is Rs. 1,22,000/- for First Year and Rs. 1,16,000 (approx.) for Second Year (in case of admission cancellation/withdrawal, the refund will be as per DTU norms).

### Reservation of Seats

The reservation of the seats will be as per the Policy of the Government of N.C.T. of Delhi. Two seats over and above the normal intake of the programme are for the faculty and staff of the University with exemption from payment of tuition fee.



## 6.0 ADMISSION TO Ph.D PROGRAM

The applicants for admission to the Ph.D programme shall be classified under any one of the following categories:

- a. University Research student/candidate (Full Time)
- b. Sponsored Research student/candidate fully financed by the Govt./Semi-Government Organizations like CSIR, UGC, Research Schemes, Govt./Privately funded Research/Development Organisation, Public Sector Undertaking, Educational Institution or a reputed industry etc. (Full-time).
- c. Sponsored Research student/candidate nominated by organization with MOU with the University, foreign students who apply through Ministry of Human Resource Development or under a Cultural Exchange Scholarship Programme by Government of India (Full-time).
- d. Part-time Research student/candidate (with residency requirement).

The university admits Full Time/Part-Time Scholars. The areas in which the seats are available under the various departments and given below:

Name of Department	Area of Specialization
Applied Physics	Nanotechnology, Especially CNTs & grapheme, Dusty plasms/THz Radiation Emission, high power microwave devices, Photonics and Photonic Crystals, Waveguide based Devices, Nanophotonics, Strongly complex dusty plasma, Glass Science and Technology phosphors, Photoluminescence, Organic & Nano-Material, Time-resolved spectroscopy, Carbon nano tube and Graphene, Semiconductor Devices-Modeling and simulation, FPGA, waveguide based devices, Fiber and Integrated optics, Lybinesent Material, Glasses, Nanophosphors, Material science, Experimental Lithium Ion battery, Multiferroic materials, Experimental Atomic physics, Gam sensor



Name of Department	Area of Specialization
Management	E-Governance, Information Technology, Management & Strategy Marketing Management, Organizational Behavior & Human Resource Management, Financial Management
Electrical Engineering	Power System Optimization, AI Techniques, Modeling & Analysis of Electrical Machines Power Electronics & Drives Intelligent Control of non linear systems, FACTS, SSR, voltage stability, power Quality Improvement, Grid Integration, Microgrid, smart Grid, BPL Analog Signal processing(Linear & Non Linear), Power system & control, system Engineering, Power system Analysis, Intelligent control, Power electronics, renewable energy, HVDC, Power Quality, Power system restructuring, AI in Electricity market forecasting, Wind Energy forecasting, Embedded system, Information security, design of power supply
Applied Chemistry	Organic chemistry (development of bio- achievements), Fiber Technology, Polymer Technology, Synthetic Organic chemistry, medicinal chemistry, Multiphase reactor systems, Bio- based polymers, Conducting polymers, Polymer composites, Gene delivery applications, Biomaterials, Advance Materials
Mechanical Engineering	Turbo Machinery, thermal, Fluid Mechanics, CFD, Thermal Engineering, I.C. Engines, Industrial Engineering & Supply Chain Mgmt., Thermal Engineering, Solar Energy. Bio Fuels, Power Plant, Robotics, CAD/CAM, ANN. GA & welding. Production Engineering, Machine Design, System Dynamics, Structural Vibration, Modeling & Simulation, Turbo Machine Ref. & A/C. CFD, Production Engineering, Solar Energy. Cam/Automation, Industrial Engineering & Refrigeration, Advanced Manufacturing Process, Human Factor Engineering, Automobile Engineering, Machine Design, Industrial Management
Electronics & Communication	VLSI, Image Processing, Signal processing, Wireless communication, Nano technology, Network security
Humanities	Women in Engineering Education, Education and skill Development for inclusive growth
Biotechnology	Molecular Neuroscience, Functional Genomics, Neuro-oncology, Bioremediation, water quality management, Immunostimulation, Radiation Biology, Genome Informatics, Nanobiotechnology, Biosensors, Immunology, Plant Biotechnology



Name of Department	Area of Specialization
Computer Engineering	Software Testing & Quality, Software Metrics, Machine Learning, Software Reliability, High Performance Computing, Soft Computing, Optimisation Techniques, Parallel Computing, Web Technology
Civil Engineering	Structural Engineering, Concrete Technology, Cementitious, Prestressing of Concrete Tall Structures and Rehabilitation of Structures, Geotechnical Engineering, Rock Mechanics, Soil Mechanics, Geotechnical Environment Engineering, Soil Structure Interaction, Water Resources Engineering, Hyper Spectral Remote Sensing, Microwave Remote Sensing
Environment Engineering	Water Pollution, Waste Water treatment, Environment Modeling, Phytoremediation, Water Management
Information Technology	Image Processing, Soft Computing, Evolutionary Computing, Artificial Intelligence, Information Security
Applied Mathematics	Information Theory, Numerical Analysis, General Relativity and Cosmology, Optimization Technique, Complex analysis, Cosmology, Mathematical Modeling, Approximation Theory

### Admission Eligibility/ Educational Qualification

1. An applicant possessing a Masters degree in Engineering/ Technology/Sciences/ Management/ Humanities in respective discipline or equivalent with a minimum 60% marks in aggregate ( of all the years/semesters) or equivalent Cumulative Grade Point Average (CGPA) as determined by the Delhi Technological University and at least 60% marks in aggregate (of all the years/semesters) or equivalent CGPA at Bachelor's degree level shall be eligible to apply for admission to a Ph.D programme of the University provided he should not have attained an age of 50 yrs. The relaxation in age limit may be done by Academic Council on case to case basis. In exceptional cases applicant with Bachelors' degree in Engineering & Technology having a minimum of 75% marks in aggregate (of all semesters) or equivalent CGPA and having proven research capability may also be considered eligible.
2. An employee of a Government Department/Government Undertaking, a Research/Development Organisation, a Public Sector Undertaking, an Educational Institution or a reputed private industry in Engineering & Technological manufacturing/ R & D/ Services with a minimum relevant working experience of two years may be considered for admission as a sponsored (full-time)/part-time Research scholar. Sponsored applicants will be eligible for admission provided they are treated by their employers as on duty with their normal salary and allowances and are fully relieved for the period of study.



3. Part-time applicants will be eligible under three categories (I) Candidates from organizations which have MoU with Delhi Technological University (ii) Organizations with R&D Labs of national repute (iii) Regular faculty/Teaching cum Research Fellow or Scientists from Educational Institutions, R&D organizations, and Govt. Department/ Govt. Undertaking provided that: the applicant possesses the minimum entry qualifications for degree as given in 1; the applicant is having at least two years experience in regular capacity. the applicant proves to the satisfaction of the University that his official duties permit him to devote sufficient time to research; facilities for research are available at the applicant's place of work in the chosen field of research or the applicant can spare sufficient time to pursue research in the Department of the Delhi Technological University on daily basis, residing in the vicinity of the University; and he/she will be permitted to reside at the Delhi Technological University for a period of not less than 6 months during his/her registration for the degree. *(This condition of minimum residence will be automatically waived for candidates who are working in National Capital Region (NCR) of Delhi or in organisations/institutions located within a distance of 50 km from the Delhi Technological University).*

If the number of courses prescribed by the DRC is more than 12, then the residency requirement for part time Ph.D students working in Educational Institutes/Organisation outside NCR of Delhi will be 1 Year.

4. Project staff under sponsored projects, sponsored by DST/UGC/any government agency, Industry or centres established from grant-in-aid from government or international agencies at Delhi Technological University for not less than 2 year duration may be given administrative clearance to seek admission on part- time basis at any time after completing two years of service in the University subject to recommendations of the concerned Principal Investigator of the said project/centre and approval of the Vice Chancellor.
5. Permanent academic staff of the Delhi Technological University (including the academic staff of erstwhile Delhi College of Engineering may be given administrative clearance to seek registration on part-time basis after satisfactory completion of the period of probation subject to recommendations of the concerned head of the Department and approval of the Vice Chancellor.

### Reservation/Relaxation

1. Reservation of seats for applicants in each of the categories of the Research Scholars shall be in accordance with the policies of Govt. of NCT of Delhi. A total of three percent seats over and above the sanctioned strength will be reserved for physically handicapped in all the Ph. D programmes of the University put together.
2. Physically handicapped applicants may be permitted 5% marks or equivalent CGPA relaxation in eligibility requirement of or equivalent in line with the policies of Govt. of NCT of Delhi. They will not be allowed any other relaxation beyond this limit even if they belong to SC/ST category.



## Selection Procedure

1.
  - (a) The shortlisting of applications for the purpose of screening test & interview will be done by the Ph.D coordinator nominated by the Vice-Chancellor in consultation with the respective departments.
  - (b) The screening test shall be conducted by Ph.D coordinator. The DRC of the concerned department shall decide the cut off for the screening test for shortlisting the candidates for the interview.
  - (c) The screening test shall be waived for academic staff of the University (including the academic staff of erstwhile Delhi College of Engineering), sponsored applicants from organization having MOU with the University, UGC/CSIR JRF fellowship holders, foreign students who apply through Ministry of Human Resource Development or foreign students under a Cultural Exchange Scholarship Programme of government of India.
  - (d) The interview shall be conducted by a committee comprising of Vice-Chancellor, Chairmen, Pro Vice-Chancellor, D-IRD and Ph.D coordinator as common members along with the members of respective DRCs.

The candidates are requested to contact teachers of DTU or Heads of the concerned academic departments before selecting their area of research work for Ph.D Degree and see updates regarding admission on the DTU Website: [www.dtuadmission.nic.in](http://www.dtuadmission.nic.in) from time to time.

The application form can be downloaded from DTU website [www.dtuadmission.nic.in](http://www.dtuadmission.nic.in) and the duly filled application form be submitted in the University along- with a separate demand draft of Rs.1,000/- for each department applied for or before the last date of receipt of completed application form.

The Demand Draft should be drawn in favour of “Registrar, Delhi Technological University”, payable at “Delhi”.

## The University also admits Part time Scholars

Part-time applicants will be eligible under three categories:

- i. Candidates from organizations which have MOU with Delhi Technological University.
- ii. Organizations with R&D Labs of national repute.
- iii. Regular faculty/Teaching cum Research Fellow or Scientists from Educational Institutions, R&D organizations, and Govt. Department/Govt. Undertaking provided that:
  - the applicant possesses the minimum entry qualifications for the degree as mentioned above;



- the applicant is having at least two years experience in regular capacity.
- the applicant proves to the satisfaction of the University that his official duties permit him to devote sufficient time to research.
- facilities for research are available at the applicant's place of work in the chosen field of research or the applicant can spare sufficient time to pursue research in the Department of the Delhi Technological University on daily basis, residing in the vicinity of the University; and
- he/she will be permitted to reside at the Delhi Technological University for a period of not less than 6 months during his/her registration for the degree. (This condition of minimum residence will be automatically waived of for candidates who are working in National Capital Region (NCR) of Delhi or in organisations/institutions located within a distance of 50 km from the Delhi Technological University).

If the number of credit prescribed by the DRC is more than 12, then the residency requirement for part time Ph.D students working in Educational Institute / organization outside NCR of Delhi will be 01 year.



## FEE STRUCTURE

S. No.	Item of Fee for Indian Students	B.Tech / B.Tech (Eve.) (Rs.)	M.Tech (Rs.)	MBA (Rs.)	Ph.D (Rs.)
1.	Tuition Fee	45,000/-	45,000/-	45,000/-	22,000/-
2.	University Fee				
i)	Enrollment Fee payable only at the time of admission	1,000/-	1,000/-	1,000/-	400/-
ii)	Development Fee (per annum)	10,000/-	10,000/-	10,000/-	600/-
iii)	Examination Fee & other fee	4,000/-	4,000/-	4,000/-	3,000/-
3.	Student Fee (per annum) (Co-curricular activities, Annual Gathering, Students Welfare, Institutional Development, Misc. Expenditure on Unspecified items)	10,000/-	10,000/-	10,000/-	3,500/-
4.	Security Deposit (refundable & payable at the time of admission)	5,000/-	5,000/-	5,000/-	5,000/-
	<b>Grand Total (Fee payable at the time of admission) in Demand Draft</b>	<b>75,000/-</b>	<b>75,000/-</b>	<b>75,000/-</b>	<b>34,500/-</b>

S. No.	Item of Fee for FN / PIO /NRI	B.Tech	M.Tech	MBA
1.	Fee*	USD 7,000/-	USD 7,000/-	USD 7,000/-

*\*USD 5000/- for FN from SAARC Countries and Candidates from Nepal & Bhutan.*



All Deposits are payable in full at the time of admission and the refundable securities are refunded only when the student leaves the University after deducting all the dues as determined by the University. Security Deposit, will be forfeited by the University if it is not claimed within three years of the candidates' passing the final examination.

### Teaching cum Research Fellowship (Doctoral & Post Doctoral)

The University offers 25 Teaching Cum Research Fellowships, 20 TRFs (Doctoral) and 05 Post Doctoral (PDFs) to attract best of minds to ensure high academic standards and encourage research & innovation in area of relevance to industry and society.

#### Eligibility Criteria for the TRF and PDF are as follows

- a. **Teaching cum Research Fellowship (Doctoral)**
  - i. **For Engineering:** Degree in M.E. / M.Tech in the appropriate branch from a recognized University/ Institution with minimum of 60% marks and Degree in B.Tech/ B. E. with 75% marks or more marks in aggregate.
  - ii. **For Applied Sciences:** Degree in M. Sc. in the appropriate branch from a recognized University/Institution with 60% marks and B. Sc. with 75% or more marks in aggregate.
  
- b. **Teaching cum Research Fellowship (Post Doctoral)**
  - i. **For Engineering:** Ph.D Degree from a recognized University with 1st Class M. Tech Degree in appropriate branch.
  - ii. **For Applied Sciences:** Ph. D Degree from a recognized University with 1st Class M. Sc. Degree in appropriate branch.

**Note:**

If a grade point system is adopted, the GPA will be converted into equivalent marks as given below:

Grade Point	% of marks
6.25	55
6.75	60
7.25	65
7.75	70
8.25	75



Emoluments: The candidates appointed as TRFs and PDFs will get emoluments as under:

1. TRF (Doctoral) will get remuneration of Rs.20,000/- per month for the first two years and contingent amount of Rs.20,000/- per annum. The remuneration will be enhanced to Rs.25,000/- per month during the 3rd year with the same contingent amount and extension for 4th year shall be given on the basis of assessment by Departmental Research Committee with remuneration as in 3rd year.
2. PDFs with Rs.25,000/- per month as remuneration for the first two years with contingent amount of Rs.25,000/- per annum. Extension for 3rd year shall be given on the basis of assessment by Departmental Research Committee with remuneration as in 2nd year.



DTU students Ms. Deepali Kansal and Mr. Shubham Chauhan awarded with the  
“Best Presenter Award” and “Best Group Award at the  
ASES Taiwan Summit 2013

# INFRASTRUCTURE & FACILITY



- Library
- Computer Centre
- Hostels
- Sports
- Canteen
- Health Centre



KALPANA CHAWLA HOSTEL



H J B HOSTEL



## 8.0 INFRASTRUCTURE & FACILITY

### 8.1 Library

A University stands for truth, reason, and humanism. It helps in the progress of the society in general through advancement of knowledge. A university is rightly described as a community where scholars and teachers are the head, students are the body and library its heart. Regarding library of a higher education institute, the former President of India Late Dr. S. Radhakrishnan stated that:

“The library is the heart of all. Universities work, directly so, as regards its research work, and indirectly as regards its educational work which derives its life from research work. Scientific research needs a library as well as its laboratories, while for humanistic research the library is both library and laboratory in one. Training in higher branches of learning and research is mainly a question of learning how to use the tools, and if the library tools are not there how can the student learn to use them?”

The Central Library of Delhi Technological University acquires a prominent place among the students and faculty. Situated, in the heart of the DTU a three stories centrally air-conditioned building spread over an area of 5000 square meters, it is a central place for academic and research activities. The library has a very rich collection of print as well as electronics books and journals satisfying the information needs of the faculty and students. The total collection of books is approx 1,94,740 consists of 1,26,543 main collection, 55,246 Books Bank, 9057 SCP Book Bank, and 3161 donated books.

Keeping in view the fast changes in technology, the knowledge base of the library is updated regularly by way of adding new literature in the form of text books, reference books, reports, proceedings, abstracts & indexes, encyclopedias, data books, standards (National & International), Journals & database on CD-ROM. Apart from adding the new literature, the basic literature is also procured for the new programmes along with current one. Some new sections and services are also being started to make the library services of ISO 9001 standard.

#### General Collection

This section has a rich collection of more than 1,26,543 books having 90 thousand unique titles, covering almost all areas of Engineering, Science & Technology and is open to all students & faculty members, from where they can borrow the required books as per rules.



### **Book Bank**

The university runs a Book Bank having a collection of 55,246 books intended to assist students, from the economically weaker sections of society, by giving text books on loan to deserving students for the whole academic semester according to the rules framed for the purpose. The university also runs a Book Bank having a collection of 9057 books specially meant for Scheduled Caste and Scheduled Tribe students who can borrow books from the Book Bank for the whole academic semester according to the rules framed for this purpose.

### **Reference Section**

A large number of Encyclopedias, Handbooks, Standards, Reports, Proceedings, Abstracts & Indexes, Data Books, standards (National & International) are available in the Library.

### **Leisure Reading Section**

The library also has a collection of good books on English and Hindi literature for leisure reading and on the other important subjects like History, Sociology, Economics etc.

### **On-Line Databases**

Various online databases are being subscribed like ASME, ASCE, Science Direct, Springer Link, Emerald Xtra ASTM, WILEYINTER SCIENCE (ebooks) and IEEE/IEE. These databases provide online access to approximately 1660 e-journals foreign and Indian Journals on various disciplines to facilitate the on going research activities & to expand the areas of future research activities.

### **On-line Books**

Library has access to several on line books which have been purchased by the library.

### **CD-Rom Access to Engineering & Scientific Data Base**

Various CD-ROM database i.e. BIS, ASTM, etc. are being subscribed. Apart from these databases, library also has a good collection of books on CD-ROM and video recordings.

### **Electronic Resource Centre**

The library being the member of consortia of Indian Digital Library of Engineering and Technology (INDEST) and Developing Library Network (DELNET) offers various facilities of member institutions through resource sharing.



A continuous internet search is done for identification of new resource which is subsequently made accessible through library home page.

### **Institutional Repositories**

The library has developed one institutional repository using open source software. The repository can be accessed on intranet and internet. Following collections are accessible through the repository :

1. Papers of examination, 2. ME/M.Tech dissertation, 3. Ph.D Thesis, 4. Research Papers, 5. News on the university, 6. Prospectus, and 7. Annual reports etc.

### **Library Services**

The library services at Delhi Technological University are provided to students, staff & faculty members for updating their knowledge and supporting the research and teaching/learning activities. These services are provided through the central library and departmental libraries.

### **Reprography Section**

The facilities like Photocopy, Printing, Scanning, Spiral binding, Lamination etc. are provided to the students on payment basis within the premises of the library.

### **Automation of Library & Services**

To keep pace with ongoing technological changes the library records have been computerized for making it accessible to the faculty & students at their work places which not only save the time but also make the simultaneous multiple access of information which otherwise is not possible in print formats. Well known library management software namely Libsys-4 is being used for the automation of library services. 73 Pentium IV machines are provided to facilitate the retrieval of information through internet and intranet. Online Public Access Catalogue (OPAC) of books, journals CDs and videos available in the library is accessible to the users on intranet. Several useful resources on engineering and technology available on internet have been identified and links are made available on the library Web page <http://www.library.dce.edu> which includes: list of subscribed and free on-line journals/ resources/ references/ databases in Engineering, Science and Technology, list of research papers available through institutional archives.

### **Electronic Surveillance System**

To provide the efficient management, the constant vigil is kept on the activities of staff and users through Electronic Surveillance system having a 24 hours recording facility.



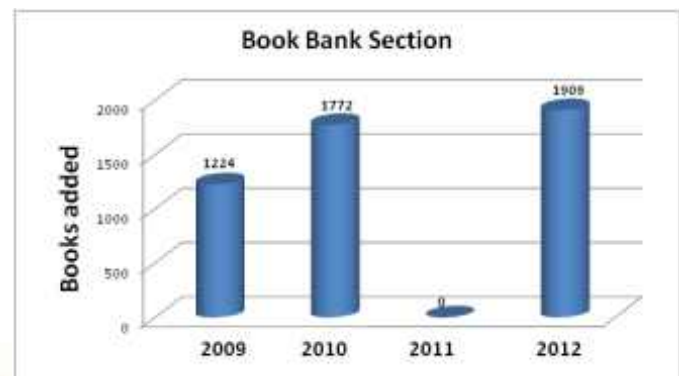
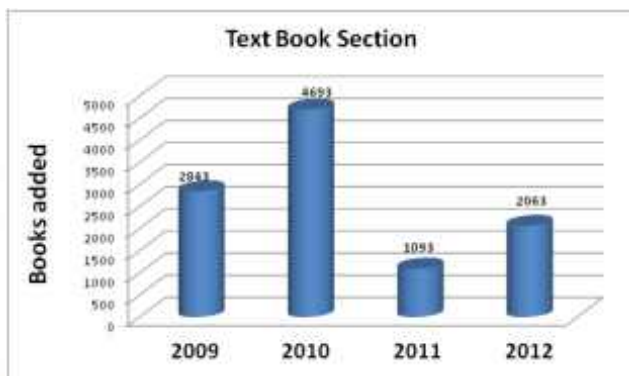
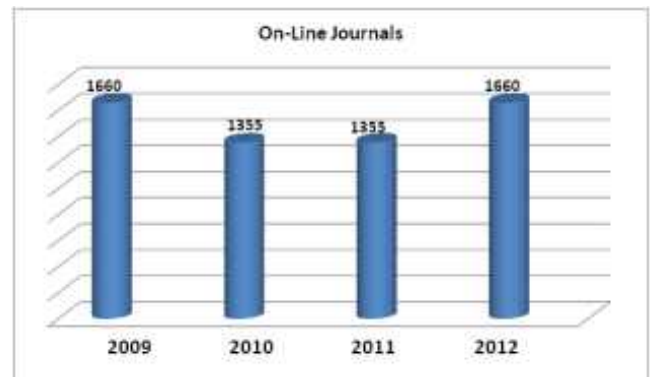
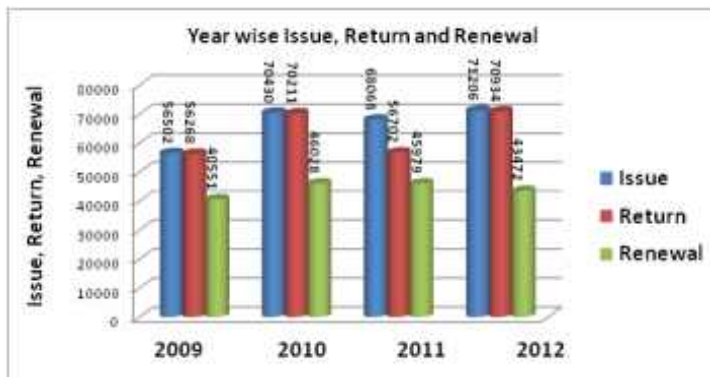
## Library Manual

Library has prepared a manual for exposing the library activities to the new comers. This manual is provided at the time of enrollment as member of the library. This is also available on the digital library for reference.

## Information Literacy Program

Library organizes information literacy programmes under the title “explore the library” for users. These programmes consist of hands on knowledge to the participants on searching the engineering and technology literature, and the facilities available in the library. With the help of DCE LIBRARY USER GROUP library organizes training programmes for interested users on web designing, network management and server management. After training the users are supposed to help voluntarily in maintenance of library network, webpage and other activities.

## An Overview of Last four year Services and collection:





## 8.2 Computer Centre

DTU has a well equipped centralized computer center to cater to the needs of high profile students and faculty in the University. It is housed, in a magnificent state-of-the-art building having specialized laboratories to provide variety of platforms and computing environment for UG, PG and research students. The center possesses 3 HP ML370 & 570 Servers and about 140 desktop computer systems of HP Compaq (P-IV) and 60 Dell computers of latest configuration (Optiplex 780, i5). These are working on Windows XP, Windows Vista, Linux platforms. In addition to this, the center has 4 SUN CAD workstations for research and project works.

### DTU Campus wide Network

The center is networked through high-end intelligent CISCO switch, and possesses round the clock two leased lines of 6 Mbps (Tata) and 8 Mbps (Airtel) in different pipes for the Wi-Fi connectivity in the Library, Academic, Administrative and Hostel blocks of the campus, with internet facilities on all the nodes. Recently, the traffic is being monitored by full version of Kerio firewall.

Presently, all the 140 computers are connected through LAN in its two floors providing internet access. It is providing programming facilities to all the departments of the college, predominantly COE, IT, ECE, EE, Physics and Mathematics departments.

The academic/library/administrative blocks and all the hostels of DTU are interconnected using Wi-Fi with limited number of access points.

The Administrative Block, Training and Placement Block, Convocation Hall and Library are also connected via CAT5 cables individually.

The present network setup satisfies only the basic needs of the university's rudimentary internet connectivity and minimal resource sharing for the connected departments. To put DTU at par with IITs and reputed NITs, it is necessary to use Information Technology as the backbone for its academic, research, consultancy and administrative ventures.

**Recently permission for networking the hostels has been released and the work has started.**

### DTU Website

DTU websites ([www.dce.edu](http://www.dce.edu)) is maintained by the design and development team comprising of students from different years under the leadership of Head of Computer Centre. Also, the computer center maintains alumni website, department website, intranet website etc. The DTU website is updated by this centre time to time. The



information on the website displayed after the approval of the concerned department, faculty or administrative offices.

Computer centre provides electronic mail service to the university teaching communities and administrative officers.

## Training Programs

Besides, computer center is also used for conducting of short term training programs for staff and faculty. Further, it houses the Microsoft MSDN Academy with licensed Microsoft software's made available to all the faculty and students. DTU is also working as a nodal academy for information storage and management solutions through its DCE-EMC Academy that conducts training programs at the computer center for all the engineering institutions in North India twice every year.

**Computer centre also provides online examination facilities to the Training and Placement Cell during recruitments.**

The main objectives of the Computer Centre for forthcoming years are:

- To set up local LAN's in all the departments of DTU.
- Extending the LANs of the departments by a canopy based wireless system so that all the buildings including academic, administrative, residential, hostel may be interconnected and creating hot zones throughout these areas.
- All new buildings are connected through LAN network. Further to network all faculty residences at an affordable cost and connected to the existing Wi-Fi network.
- To increase the bandwidth of the internet speed to meet the demands academic and research.
- Deploying IT based services for the workflow and academic activities and to ensure E-Governance.
- The centre looks forward to expand its functioning through WI-MAX proposal waiting for approval for still better efficiency. WI-MAX can provide broadband wireless access (BWA) up to 30 miles (50 km) for fixed stations, and 3 - 10 miles (5 - 15 km) for mobile stations.

## 8.3 Hostels

Hostel accommodation for students on rolls will be allotted to full-time day students by the University Hostel Committee. Application for hostel seats should be submitted in the prescribed form. No ex-student shall be



allotted any hostel accommodation. DTU is having 9 Boys and 6 Girls hostels in the campus to accommodate 1308 boys and 403 girls. These hostels are named as:

	<b>Boys Hostels (9)</b>	<b>Seats</b>
1.	Bhaskaracharya Hostel	178
2.	Sir C. V. Raman Hostel	178
3.	Sir J. C. Bose Hostel	178
4.	Varahmihir Hostel	176
5.	Sir Visversvaraya Hostel	178
6.	Aryabhatta Hostel	170
7.	Ramanujan Boyes Hostel	61
8.	H. J. Bhabha Hostel	165
9.	Type-II B-5, Boys Hostel	24

	<b>Girls Hostels (6)</b>	<b>Seats</b>
10.	Sister Nivedita Hostel	98
11.	Kalpana Chawla Hostel	45
12.	Type III Block I, Girls Hostel	66
13.	Type III Block 2, Girls Hostel	52
14.	Type II Block 1, Girls Hostel	72
15.	Type II Block 2, 3, 4 Girls Hostel	70



*C. V. Raman Hostel*



*Bhaskaracharya Hostel*

The allotment of accommodation to the boys and girls in the Hostel will be made on the following priority, subject to availability of seats in the hostels:

<b>Hostel Fee</b>	<b>Amount in Rs.</b>
Hostel Room Rent (Per Semester)	3000/-
Electricity & Water Charges (Per Semester)	1000/-
Hostel / Mess Establishment, Services & Maintenance Fee (Per Semester)	1000/-
Medical Fees (One Time)	300/-
Mess Advance (Advance for 2 months)	3000/-
Mess Security Deposit (Refundable)	3000/-
Hostel Security Deposit (Refundable)	3000/-
Furniture Security (Refundable)	2000/-
<b>GRAND TOTAL</b>	<b>16, 300/-</b>



- i. The first preference for hostel accommodation for the 1st semester B.Tech students will be given to the outside Delhi Category. Those from outside of Delhi, but studied in Delhi will be given hostel accommodation at par with outside Delhi students provided they produce certificate for their stay in hostels.
- ii. Allotment to Delhi category students will be made as per university rules/guidelines.
- iii. Hostel accommodation is not compulsory.
- iv. During summer vacation, if a student has to stay in a hostel, he/she shall have to pay guest charges @ Rs. 1000/- per month.
- v. On special occasions, if a student wants to stay in a hostel with some other students not exceeding 3 days, he/she shall have to pay guest charges Rs. 50/- per day.

**NOTE :**

1. The hostel room rent and electricity & water charges Rs. 4,000/- to be paid by a DD in favour of "Registrar, DTU". The hostel fees Rs. 12,300/- to be paid by a DD in favour of "Hostel Fund Account No. 10704860860".
2. Hostel rent is payable in advance at the beginning of the semester, "Rent" also includes furniture rent.
3. Mess advance for two months adjustable when the student leaves the mess.
4. All the hostel residents are required to vacate their rooms within three days of the last examination each year. The rooms will be re-allocated at the beginning of the academic session.
5. At any time during the program, a student may be required to pay additional deposits or fees to cover increased cost.
6. For all enquiries regarding hostel accommodation, students should contact the hostel office in Transit Hostel (Timing: 3-5 PM) during working days.
7. For details of information regarding hostel facilities, please refer hostel Information Bulletin 2013-14 and hostel Website: [hostel.dtu.ac.in](http://hostel.dtu.ac.in).
8. The students taking admission in DTU may apply for fresh hostel allotment online vide hostel website- [hostels.dtu.ac.in](http://hostels.dtu.ac.in). Also, the senior students already living in hostels/fresh applicants may also apply for hostel online.
9. All the information's regarding hostel fees, rules, regulations and criteria for hostel allotment is also available on the website.

## 8.4 Sports

The students of Delhi Technological University are provided with excellent facilities and encouraged to take part in the tournaments held in and around NCR Delhi, particularly, engineering institutions.

Delhi Technological University is having 450 m track, ground for Football, Hockey, Cricket, two courts for



Volley Ball, two courts for Basketball, three courts for Tennis and five courts for Badminton, Table Tennis rooms, Chess rooms, Carom rooms and Gyms are also available in the each hostel of the DTU campus.

Sports council of DTU has organized several tournaments during 2012 - 13 academic session.



### 8.5 Canteen & Shopping Plaza

The University has two storey canteen building. Separate space is provided for boys & girls students and first floor is exclusively reserved for the faculty. Most modern kitchen with appropriate facilities keeping hygiene in mind have been provided in the canteen. A shopping plaza is also in the campus where day to day need of students viz stationery, photocopy, PCO, Fax, souvenir, books and general items are available. DTU is having SBI branch and its ATM. The University has a post office with speed post & registration services.

### 8.6 Health Centre

The DTU is having a modest Health Centre manned by well experience medical Doctors. Services of five medical practitioners are available to the students throughout day and evening. The University health centre is also visited by specialized medical practitioners for ENT, Eye, Dental care etc. for expert advice and treatment. University is also having tie up with nearby leading hospitals for emergency. A large number of hospitals are in the vicinity of the University; some of them are Dr. Bhim Rao Ambedkar Hospital, Saroj Hospital, Mahavir Hospital, Jaipur Golden Hospital, Satyam Hospital etc.

A new sports medicine-cum-physiotherapy centre has been added to provide the necessary expert advice



*Dr. B.R. Ambedkar Auditorium,  
Delhi Technological University*



*Health Centre  
Delhi Technological University*



## CO-CURRICULAR ACTIVITIES



DTU Festival Week is normally February every year. This marks the tradition of bringing all types of activities under one umbrella. The individual technical and cultural technical festival of IEE/CSI/IEEE annual technical festival of SAE, Chapter, DTU. Renaissance, the Student Chapter, DTU. TATVA, the Student Chapter, DTU. KARYON, Biotechnology. Engifest, the annual cultural festival of Delhi Technological University. The Festival Week turned out to be a grand success with the campus witnessing maximum crowd during the festival, over all these years. Eight long days of festival were also a huge test for the patience and perseverance on the part of the organizers, who managed to handle this task exceptionally well. In addition, Republic Day, Independence Day, Diwali, Holi, Lohri, Spic-Macay programs, Blood Donation Camp etc. are celebrated by teachers & students with aplomb and gaiety.

celebrated in the 2nd week of beginning of a new and innovative technical as well as cultural Fest comprised of the following festivals. Troika, the annual Student Chapter, DTU Innova, the ASME, ASHRAE and SEM Student annual technical festival of IET annual technical festival of SPIE the annual technical festival of



## Anti ragging guidelines & measures for it's prevention

Ragging is a growing cause of concern in higher educational institutions of India. Although the laws and rules had been made but enforcement is the area where we have lost our wickets. College authorities, staff and student representatives have to work collectively to save new students from harassment. It is the hot topic for media, NGO's, government and the society. Every common man is discussing about ragging issue.

### **Ragging constitutes one or more of any of the following acts:**

- a. any conduct by any students whether by words spoken or written or by an act which has the effect or teasing, treating or handling with rudeness a fresher or any other student;
- b. indulging in rowdy or indisciplined activities by any student or students which causes or is likely to cause annoyance, hardship, physical or psychological harm or to raise fear or apprehension thereof in any fresher or any other student;
- c. asking any student to do any act which such student will not in the ordinary course to do and which has the effect of causing or generating a sense of shame, or torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student;
- d. any act by a senior student that prevents disrupts or disturbs the regular academic activity of any other student or a fresher;
- e. exploiting the services of a fresher or any other student for completing the academic tasks assigned to an individual or a group of students.
- f. any act of financial extortion or forceful expenditure burden put on a fresher or any other student by students;
- g. any act of physical abuse including all variants of it: sexual abuse, homosexual assaults, stripping, forcing obscene and lewd acts, gestures, causing bodily harm or any other danger to health or person;
- h. any act or abuse by spoken words, emails, post, public insults which would also include deriving perverted pleasure, vicarious or sadistic thrill from actively or passively participating in the discomfiture to fresher or any other student;



- I. any act that affects the mental health and self-confidence of a fresher or any other student with or without an intent to derive a sadistic pleasure or shoring off power, authority or superiority by a student over any fresher or any other student.

### Measures for Prevention of Ragging at the University Level

- a. DTU website ([www.dce.edu](http://www.dce.edu)) warns senior students to desist from ragging.
- b. The University level anti ragging committee, University level anti ragging squad and anti ragging squads for hostels have been formed for help to newly admitted students.
- c. Display Boards of 'No RAGGING' have been fixed in different parts of the college campus including hostels.
- d. At the commencement of new semester, senior students and their parents shall submit the affidavits to the university authorities pledging no ragging of fresh students.
- e. The institutes shall receive school leaving certificate/transfer certificate/migration certificate/character certificate issued by the school/institution last attended by the applicant for his/her inter personal/social behavioural pattern, if admitted.
- f. Before the commencement of the academic session, the Hon'ble Vice Chancellor shall convene and address a meeting of hostel wardens, representatives of students, parents/guardian, faculty, district administration etc. to discuss the measures to be taken to prevent ragging in the University and steps to be taken to identify those indulging in or abetting ragging and punishment decisions.
- g. The contact numbers and e-mail addresses of the Anti Ragging Committee, Anti Ragging Squads, Deans, Heads of the Departments, Registrar, Jt. Registrar and Hostel Wardens are available on the University website for immediate report of any ragging case.
- h. The University shall invite professional counsellors to counsel freshers and other students and prepare them for life ahead and life in hostels.

**UNIVERSITY LEVEL ANTI RAGGING COMMITTEE**

<b>Name</b>	<b>Designation</b>	<b>Contact No.</b>
Prof. Vikas Rastogi	Chairman	9871620892
Prof. O. P. Verma	Member	9910050177
Prof. Narendra Dev	Member	9999399375
Prof. Abdul Khaliq	Member	9810995890
Dr. Jai Gopal Sharma	Member	9811090186
Dr. Seema Singh	Member	9810790475
Dr. Qasim Murtaza	Member	8010216345
Dr. Neo Kant Dev	Member	9868619097
Dr. Munendra Kumar	Member	9958491357
Ms. Geeta	Member	9818018963
Sh. Raghvendra Gautam	Member	9891709954
Dr. Richa Srivastava	Member	9958343748

**UNIVERSITY LEVEL ANTI RAGGING SQUAD**

<b>Name</b>	<b>Designation</b>	<b>Contact No.</b>
Prof. A. K. Gupta	Chairman	9313505567
Prof. Narendra Dev	Member	9999399375
Dr. Abdul Khaliq	Member	9810995890
Dr. Jai Gopal Sharma	Member	9811090186
Sh. V. Jeganathan	Member	9818382043
Dr. Pushpendra Singh	Member	9958956906
Dr. Ravinderjeet Singh Walia	Member	9717325233
Sh. P. K. Jain	Member	9871399474
Dr. Roli Purwar	Member	9711114165
Ms. Richa Shrivastava	Member	9958343748
Ms. Geeta	Member	9818018963
Sh. Anbu Kumar	Member	9868036392
Sh. Nand Kumar	Member	9968114999
Sh. Raghvendra Gautam	Security Officer, Member	9891709954



DTU Super Mileage Vehicle Won the Best Design Award & Best Team Award at World Competition held at Michigan, US, June 10, 2005



President, Cleveland State University Dr. Ron Berkman along with their past Chairman Mr. Monte Ahuja, Founding Chairman, President & CEO, Transtar Industries, Inc., and Shri Raj Soin, distinguished alumni, DCE and Chairman, Soin International, Ohio during their visit to DTU in 2012



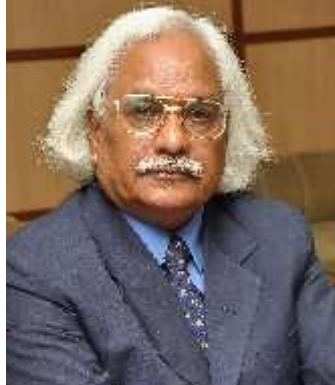
Hon'ble Chief Minister, Delhi Smt. Sheila Dikshit, flagging off DTU Solar Car to participate in the World Solar Challenge to be held in Australia



Mr. Phillippe Joubert, President, Alstom International viewing DTU Formula Student Car during his visit to DTU



## UNIVERSITY ADMINISTRATION



**Prof. P.B. Sharma**  
*Ph.D, (B'ham, U.K.)*  
**Vice-Chancellor**



**Prof. Moin Uddin**  
*Pro Vice-Chancellor*



**Prof. A. K. Gupta**  
*Registrar*



**Prof. Madhusudan Singh**  
*Controller of Examination*



**Prof. K.C. Tiwari**  
*Chief Project Officer*



**Dr. K. Singh**  
*Joint Registrar*



**Sh. Y. Srinivasa Rao**  
*Sr. Asst. Registrar (F&A)*



**Anil Kumar**  
*Asstt. Registrar, (Admn.) (on lien)*



**Dr. Ravinder Kaushik**  
*Asst. Registrar, Academic*



**Dr. Lokesh Garg**  
*Asst. Registrar, General*



**Dr. Vivek Tripathi**  
*Assistant Registrar, IRD*



**B.S. Rawat**  
*Asstt. Registrar, LIT & VIG*



**Raghvendra Gautam**  
*Security Officer*



**Sh. Amit Kumar Srivastava**  
*Project Officer*



**Dr. Nitin Kumar Puri**  
*Asst. Project Officer*



## DEANS OF THE UNIVERSITY



**Prof. S. Maji**  
Dean, Industrial R&D



**Prof. H. C. Taneja**  
Dean, Student Welfare



**Prof. S.K. Singh**  
Dean, International Collaboration



**Prof. S.K.Garg**  
Dean, Academic



**Prof. O.P. Verma**  
Dean, Continuing Education

## FACULTY

Departments of Electronics & Communication Engineering  
Computer Engineering, Electrical Engineering and Information Technology

## PROFESSORS



**Rajiv Kumar Kapoor**  
(Electronics & Communication)  
B.E., M.E., LMISTE, Ph.D.

HOD (EC)



**O. P. Verma**  
(Image Processing, Soft Computing)  
B.E., M.Tech., MIEEE

HOD (IT)



**Daya Gupta**  
(Computer Software)  
M.Sc., Post-M.Sc., IITD, Ph.D., MIEEE

HOD (COE)



**Madhusudan Singh**  
(Control & Instrumentation)  
B.Sc. (Engg.) M.E. (Hons), Ph.D., MIE (I), MIETE (I), LMISTE, MIEEE (USA), MIET (UK)

HOD (EE)



**N. K. Jain**  
(Power Systems)  
B.Sc., (Engg.) M.Sc. (Engg.)  
Ph.D., MIE (I), LMISTE, FMIEE



**Narendra Kumar**  
(Power System)  
B.Sc. Engg., M.Sc. Engg., Ph.D. (Power Systems), MISTE, FIE (I), MSSSI, MIET



**Asok Bhattacharyya**  
(Digital Electronics)  
M.Tech. DIRE, Ph.D., LMISTE (India) SR. M.I.E.E.E. (India)



**Asok De**  
(Communication & Microwave)  
B.E. Tel. E. M.E. Tel. E., Ph.D., F.I.E., F.I.E.T.E. (on lien)



**Uma Nangia**  
(Power Systems)  
B.E., M.E., Ph.D.



**Pragati Kumar**  
(Control &  
Instrumentation)  
  
M.Tech., Ph.D.



**Vishal Verma**  
(Power Electronics)  
  
M.Tech., Ph.D.  
MIE (I)  
MIEEE (USA)

## ASSOCIATE PROFESSORS



**Prem R. Chadha**  
(Digital & Optical  
Communication)  
  
B.E. (Hon.), M.Tech.,  
Sr. MIEEE (U.S.A.),  
FIETE (L), (I) LMISTE  
(I), FIE (I), SMCSI (L),



**Rajesh**  
(Elect. Comm. Engg.)  
  
B.E., M.Tech., MIE(I)  
MIEEE (USA)



**Bharat Bhushan**  
(Control &  
Instrumentation)  
  
M.Tech



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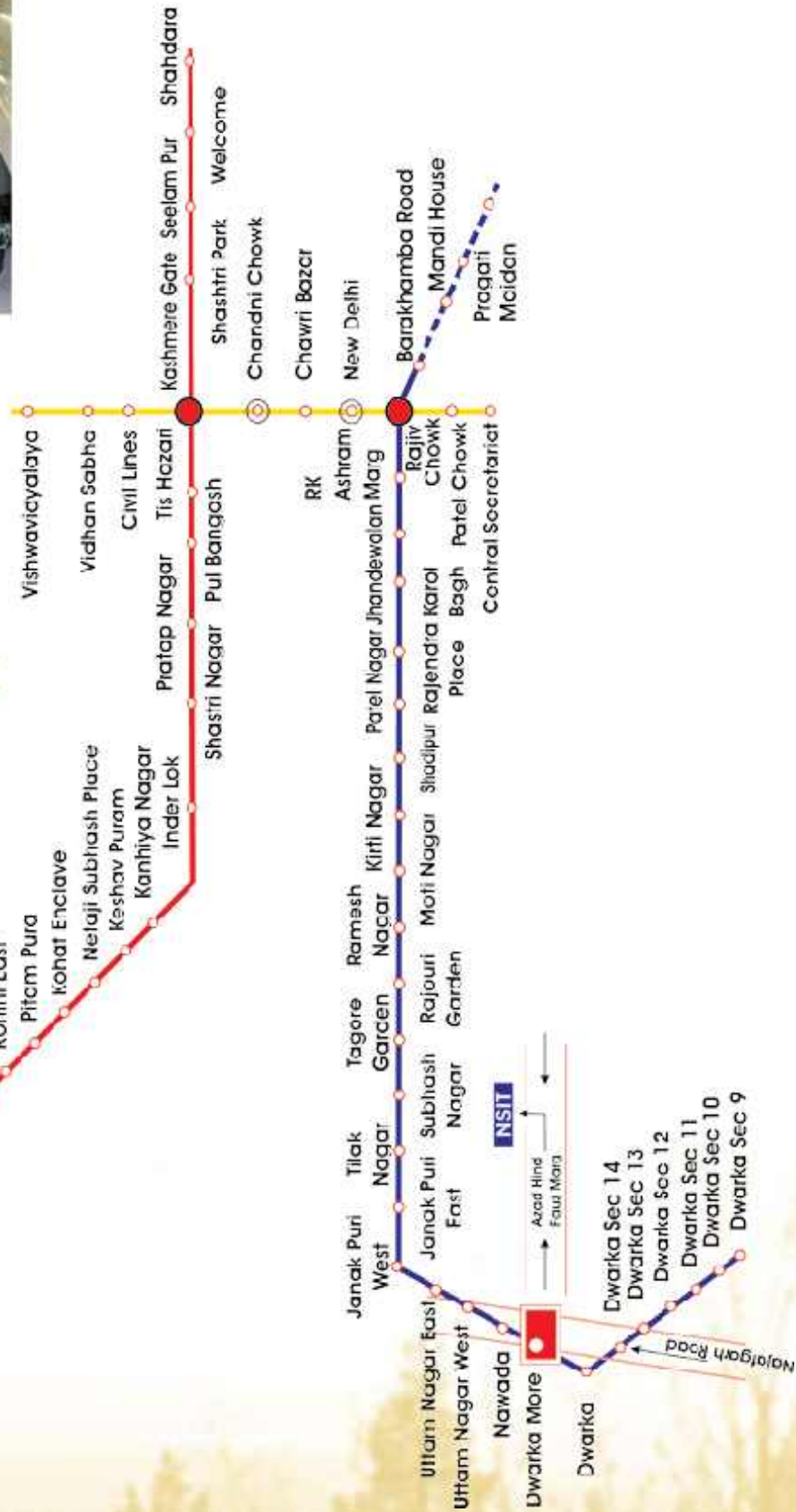
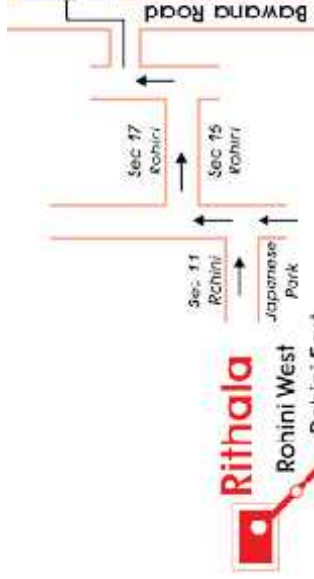
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