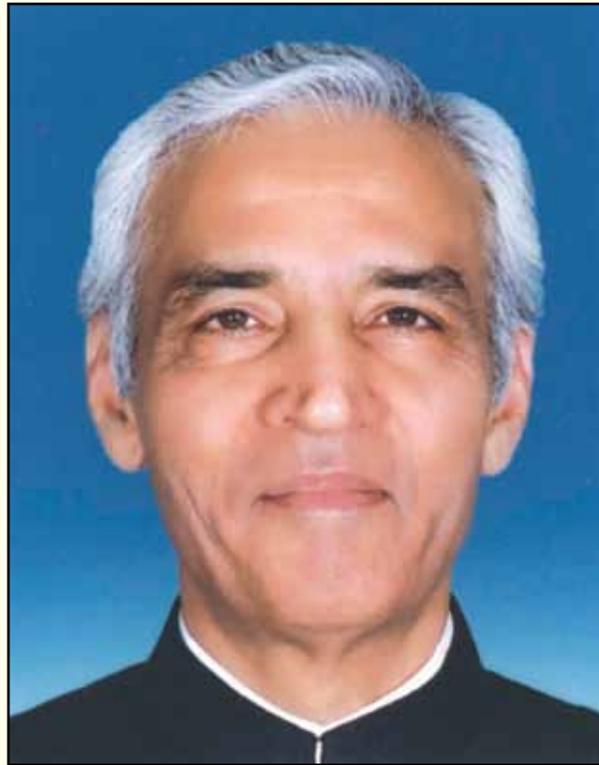




सत्यमेव जयते



**His Excellency Shri Tejendra Khanna**  
**Lt. Governor, Delhi**  
**and**  
**Chancellor, DTU**

**IMPORTANT DATES**

(For Admission Process)

<b>ACTIVITY</b>	<b>B.Tech.</b>	<b>M.Tech.</b>	<b>Ph.D.</b>	<b>MBA</b>
Date of release of Application Forms for the admission	<b>25.05.2010 (Tuesday)</b>	<b>01.06.2010 (Tuesday)</b>	<b>10.06.2010 (Thursday)</b>	<b>05.01.2010 (Tuesday)</b>
Last date for receipt of request of Application Form by post	<b>07.06.2010 (Monday)</b>	<b>15.06.2010 (Tuesday)</b>	<b>21.06.2010 (Monday)</b>	-----
Last date for sale of Application Forms at DTU (upto 1.00 p.m.)	<b>21.06.2010 (Monday)</b>	<b>21.06.2010 (Monday)</b>	<b>25.06.2010 (Friday)</b>	-----
Last date of receipt of completed Application Forms at DTU (upto 5.00 p.m.)	<b>21.06.2010 (Monday)</b>	<b>21.06.2010 (Monday)</b>	<b>25.06.2010 (Friday)</b>	<b>22.03.2010 (Monday)</b>
Counseling starts	<b>07.07.2010 (Wednesday)</b>	<b>02/03.07.2010 (Friday/ Saturday)</b>	<b>12/13.08.2010 (Thursday/ Friday)</b>	<b>05.05.2010 (Wednesday)</b>
Registration and Teaching Start for 1st Semester	<b>02.08.2010 (Monday)</b>	<b>02.08.2010 (Monday)</b>	-----	<b>02.08.2010 (Monday)</b>
Last date for Counseling	<b>31.08.2010 (Tuesday)</b>	-----	-----	<b>31.08.2010 (Tuesday)</b>

**On the day of registration, students are required to bring three passport size photograph for the identity card and registration**

*Chairman, B.Tech. Admission Committee*

**Prof. Madhusudan Singh**

*Department of Electrical Engineering*

**DELHI TECHNOLOGICAL UNIVERSITY**

(Formerly Delhi College of Engineering)

- All enquires for admission be made through E-mail : [dtuadmission2010@gmail.com](mailto:dtuadmission2010@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.



**SMT. SHEILA DIKSHIT**  
**Hon'ble Chief Minister**  
**Government of NCT of Delhi**



**SH. RAKESH MEHTA**  
**Chief Secretary**  
**Govt. of NCT of Delhi**

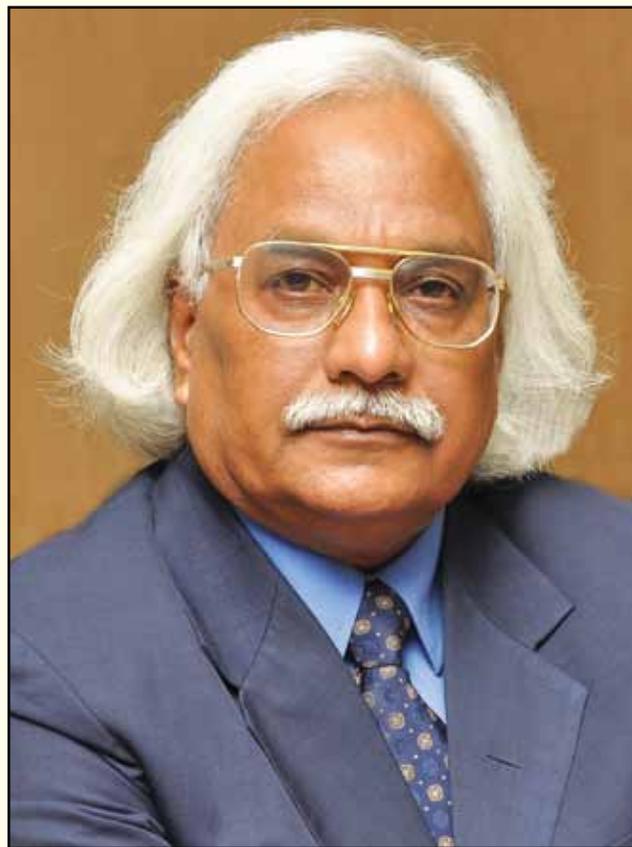


**SH. ANAND PRAKASH**  
**Principal Secretary (TTE)**  
**Govt. of NCT of Delhi**

**69 YEARS**  
of excellence in Engineering  
Education and Innovations  
from 1941 onwards...  
Delhi College of Engineering  
now upgraded to  
**Delhi Technological University**

- a non affiliating  
Technical University

"committed to  
foster Engineering Excellence  
and  
Scientism together"



**PROF. P. B. SHARMA**  
**Vice-Chancellor**  
Delhi Technological University

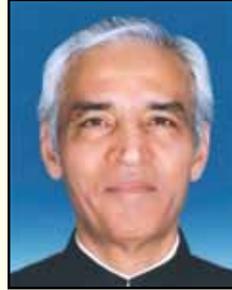


उपराज्यपाल  
दिल्ली  
LIEUTENANT GOVERNOR  
DELHI



राज निवास  
दिल्ली-११००५४  
LIEUTENANT GOVERNOR  
DELHI

17 May, 2010

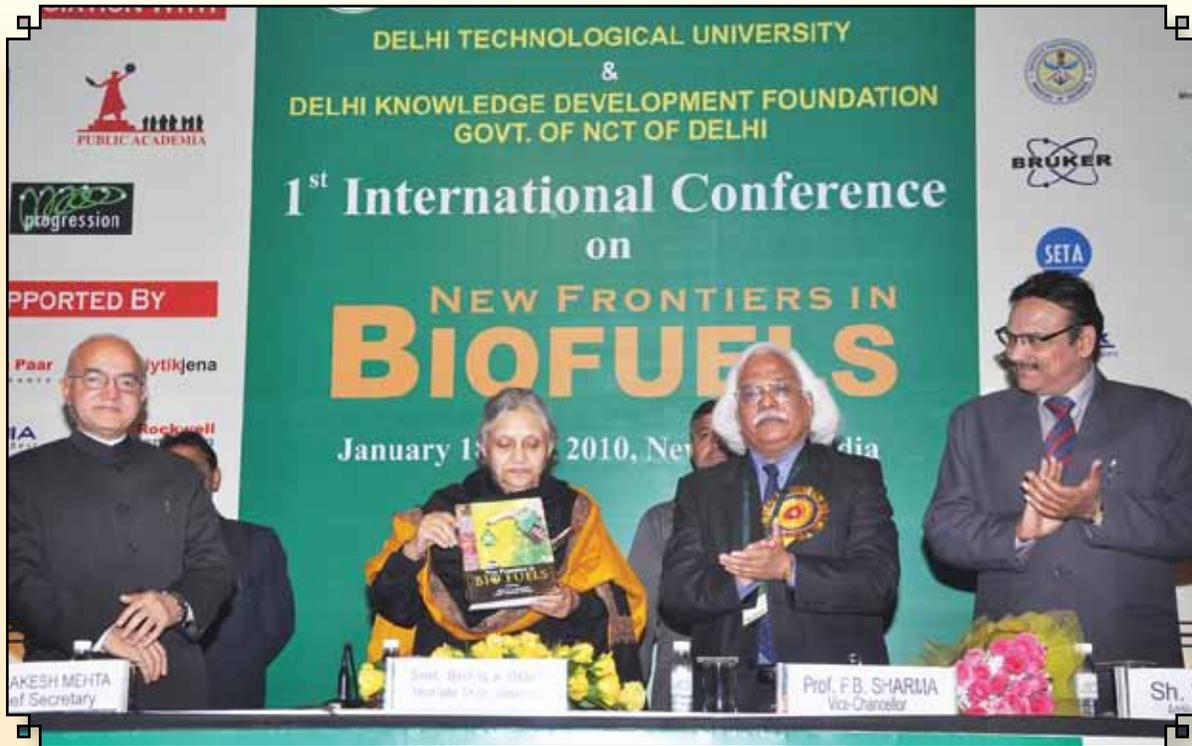


### **MESSAGE**

I am happy to note that the Delhi Technological University (formerly the prestigious DCE) has chalked out a clear pathway for achieving academic and research excellence. From the last academic session it has launched new undergraduate and postgraduate programmes in emerging areas of engineering and technology to keep abreast of global developments.

I extend my best wishes for high academic achievements to the meritorious students joining the University this year.

*Tejendra Khanna*  
(TEJENDRA KHANNA)



Hon'ble Chief Minister Delhi, Smt. Sheila Dikshit and Shri. Rakesh Mehta, Chief Secretary Delhi at the Inauguration of International Conference on "New Frontiers in Biofuels", January 18, 2010



Hon'ble Chief Minister Delhi, Smt. Sheila Dikshit viewing the DTU Innovation "Annpurna" for fair price shops, October 12, 2009



**SHEILA DIKSHIT**  
CHIEF MINISTER

GOVT. OF NATIONAL CAPITAL TERRITORY OF DELHI  
DELHI SECRETARIAT, I.P. ESTATE, NEW DELHI-110002

D.O.NO. : 0 SDCMI/14382  
Dated : 17.05.10



### **MESSAGE**

It is an acknowledged fact that National Capital Territory of Delhi has for decades been a centre for quality education and research, attracting talented students to its institutions and university. The Delhi Technological University is one year of its existence has already received national and international recognition for its new UG and PG programs. Its innovative curriculum is a proof of its commitment to build world-class quality man power and foster industry relevant research and innovations.

I am confident with its distinguished and committed faculty it will be able to successfully address the impact of globalization on S&T education.

I extend my best wishes to the bright students of Delhi joining this University for the academic year 2010-11.

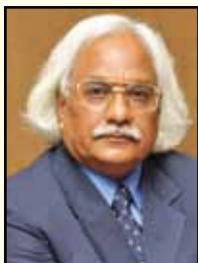
**(SHEILA DIKSHIT)**

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PHONE : OFF. 23392020, 23392030 • FAX : 23392111



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



Marching from strength to strength, Delhi College of Engineering, DCE is now the “Delhi Technological University”. The historic decision to upgrade DCE into DTU has been taken by the Government of Delhi and an Act to this effect has been enacted by the Delhi Vidhan Sabha. The upgradation of DCE into a technical university provides the necessary academic and administrative autonomy to empower DCE to march on the path of academic and research excellence, as also to accelerate the pace of innovations. The conferment of the status of a technological University upon DCE is a major opportunity for all of us in meeting the requirement of highly skilled brainpower for the industries and enterprises in the New Knowledge Age. Further the output of DTU in respect of research and innovation is expected to impact new knowledge creation and development of new technologies and new knowledge.

DTU, with the brand image of DCE and its glorious past, thus is poised to create new horizons in the arena of technical education and research in the country. This is a historic moment and calls for celebration by the DCE fraternity spread the world over. With the upgradation of DCE into DTU we have now a much greater responsibility and certainly a greater accountability along side with freedom to excel and serve the interest of the talented community, industry and the society. It is also an opportunity to provide an updated and innovated curriculum at par with the best technological universities of the world and emulate the best practices in technical education.

As per the DTU Act, Delhi Act 6 of 2009, the DTU will be a non-affiliating teaching and research University focusing on “growth with quality”, offering new programs in emerging areas of engineering and technology, ensuring synergy between science and engineering, will attract the very best and qualified faculty in its fold and contribute effectively to cutting edge technology development and foster world class innovations. ***“The DTU thus aspires to be a leading World Class Technology University, a key node in National and Global Knowledge Network thus empowering India with the Wings of Knowledge and Power of Innovations”.***

As per plan, four new B. Tech programs (with 240 annual intake), 8 new PG programs (18 seats each), MBA (60 seats) have been added from 2009-10. Further 50 scholarships for Ph.D. and 25 Teaching-cum-Research Fellowships are being offered to strengthen the academic and research environment in DTU. Thus from academic session (2010-11), DTU is offering 14 B.Tech., 17 M.Tech, 04 B. Tech. (Evening) Programs, MBA and PhD programs. The areas covered include both core as well as interdisciplinary programmes of high value to industries at home and abroad. The PG programs focus on new and emerging areas including VLSI design, Nano Science and Engineering, Software Engineering, Microwave and Optical Communication, Bio-technology, Geo-technical Engineering etc. in addition to other core areas. Further expansion of education and research programs will take place in the years to follow. The total student strength in DCE, now DTU, will be almost 3 times of its current student intake in the next 5 years with the addition of new programs including dual degree programs and integrated Master’s programs in areas of relevance to our country in Medical Engineering, Aero-Space Engineering, Bio-informatics, Clean Energy and Environment Technology, New and Smart

Materials. Seamless integration of Science and Engineering is the focus in the design and delivery of the programs at DTU.

The focus of DTU is on - Panchsheel of Technical Education in 21<sup>st</sup> 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**
- **Networking with selected World Class Universities**

The upgradation of DCE into DTU is well received throughout the country and even abroad. DCE as DTU stands committed to foster technical education and research excellence backed by a quality conscious work culture devoted to serve the talented student community, the industry and the society.

We are grateful to the Govt. of NCT Delhi, specially to the Hon'ble Chief Minister of Delhi and to her Council of Ministers for bestowing this honour to this premier institution. We are also indebted to His Excellency Lt. Governor of Delhi for the patronage provided to this pioneering institution to realise its dream of upgradation into a technological University.

I am also happy to add that our standing in the community of premier engineering institutions in the country has gone up during 2009-10 as is evident from overall rank 9 in Zee News and DNA nationwide survey of top ten best engineering institutions in India. In fact we scored 7th in Academic Environment, 8th in Placement and 9th in Curriculum Innovation among the top 10 that included the 7 IITs. Further the DATA Quest also ranked DTU at 12th among the top 20 best institutions in the country from earlier 16th position. The Competition Success Review placed DCE, now DTU, only next to IITs as Institution of Super Excellence. These surveys are important as they reflect the confidence of the industry and stakeholders in the premier institutions.

As such, we now have an added responsibility to ensure high academic standards, compliance to research integrity and create the necessary vibrancy to conform to rigorous academic study and professional activities to meet the challenges of the new knowledge age. This is what the DTU is committed to do.

While on academic fronts, it is our responsibility to provide an updated and innovated curriculum and deliver it with all sincerity, it is also absolutely essentially that the student community conforms to the highest levels of decorum and discipline. The DCE now DTU campus shall follow the policy of **"Zero Tolerance in Ragging"**. And as such, I call upon all the members of students community to co-operate in our desire to exhibit the highest standards of civilized human behaviour free from the virus of ragging in any form.

This requires a firm resolve on our part to enforce the anti-ragging policy and assure compliance to norms and guidelines set out by the UGC and the Hon'ble Supreme Court of our country. To this end we need the full and unconditional commitment of our students (seniors as well as freshers).

I am sure that the DTU student community shall ensure that, our tradition of keeping our campus totally free from ragging will be upheld in the academic sessions 2010-11 as well. I am also happy to add that on the student achievements, our students have during 2009-10, achieved high recognitions in India and abroad as can be seen from:

- i. **Ms. Shravanti Joshi and Mr. Anoop Ramakrishna have been awarded International Telecom Union Award** and were invited to attend **WORLD YOUTH FORUM 2009 in Geneva** from 3rd October to 10th October.
- ii. **Mr. Ankur Garg, Environmental Engineering 2009 has been selected as Shell Centenary Chevening Scholar**, for studies at University of Cambridge for Master's of Philosophy in Technology Policy at the Church Business School of Cambridge MIT Institute.
- iii. **Ms. Shweta Chauhan received Mondialogo Engineering Award 2009 in Germany** November 9, 2009. Ms Shweta Chauhan student of B.E Environmental Engineering represented her team in the final symposium where the team's work was facilitated with MEA Gold Award. The Mondialogo Engineering Award (MEA) is a part of the Mondialogo initiative launched by Daimler AG Stuttgart, Germany and UNESCO Paris, France in 2003. The Mondialogo Engineering Award invites student engineers from developing and developed countries to form international, multicultural teams to design projects aimed at improving the quality of life of people in developing countries, to contribute to addressing the United Nations Millennium Development Goals. The Award seeks to encourage student engineers to tackle some of the major challenges of the 21st century. The Mondialogo Engineering Award consists of a total amount of € 300,000.
- iv. **Ms. Swati Rawal**, PhD Scholar in the Applied Physics Department **has received the Best Research Paper Award in the International Conference on Optics and Photonics, ICOP 2009** at CSIO Chandigarh, October 29 - November 1, 2009. The Research Paper of Ms. Rawal relates to Design of Optical Memories based on Slow Light Generation from Photonic Crystals. **Ms. Rawal also received the Optics and Photonics Leadership Award 2009 from Optical Society of America.**
- v. **The DTU Team of Autonomous Aircraft System Development** participated in the international competition held in Maryland, USA in August 2009 and bagged the **"Director's Award 2009"** for their innovation.
- vi. **DTU Hypermilers win in the International competition in Finland:** An interdisciplinary Under-Graduate team of Delhi Technological University bagged the trophy for the best new team and secured second place in the technical round in the open class category in the Finnish Supermileage Marathon Competition held in Finland on 15th and 16th August, 2009.
- vii. **DTU Tie-up with Lockheed Martin for UAV Development:** A major breakthrough for University Industry partnership has been achieved for the commercial design and development of an Unmanned Aerial Vehicle. A tie-up with the world best aeronautics industry, Lockheed Martin Corporation has been made during the visit of Dr. Ray O Johnson, Senior Vice-President, Lockheed Martin, USA.
- viii. **Freescale Semiconductor India Pvt. Ltd.**, a major Semiconductor Design Company based in Noida has offered to partner with DTU by setting up Freescale Systems Laboratory in the Electronics and Communication Engineering Department of DTU.

- ix. **Indian Oil and MUL have sponsored R&D work at DTU** for the development of a plug in parallel Hybrid Passenger Car. Indian Oil and DTU are also carrying out R&D work on use of Hythane (CNG – H<sub>2</sub> Mix) for parallel cars.
- x. **ST Microelectronics**, Noida has also offered to partner in education, industry internship and collaborative research with DTU.
- xi. **Microsoft (India)** has donated 3000 free passwords to enable every student and faculty of DTU to use Microsoft Dream Spark Package of Softwares for Design and Development.
- xii. **Campus placement** has been highly impressive this year. 660 offers from 125 reputed companies including PSUs and multinationals has been received. Major companies that visited DTU during 2009-10 included all major MNCs including Microsoft, Nomura, Bank of America, Mckinsey, JP Morgan etc & India's leading companies like Tata Motors, Samsung engineering, L&T and major PSUs like Indian Oil, NTPC, BHEL, & EIL plus DRDO, Indian Navy. GAIL, etc.

The DTU Prospectus 2010 contains relevant information on admissions to new PG, UG and PhD programs in the University. We wish to attract the very best talented and inspired minds to join our academic and research programs and wish to shape them as world class professionals in their chosen domains of education and research. We invite you to apply for admissions to our academic and research programs which are highly sought after by the industries in India and abroad.

May 6<sup>th</sup>, 2010

**Prof. P. B. Sharma**  
Vice-Chancellor

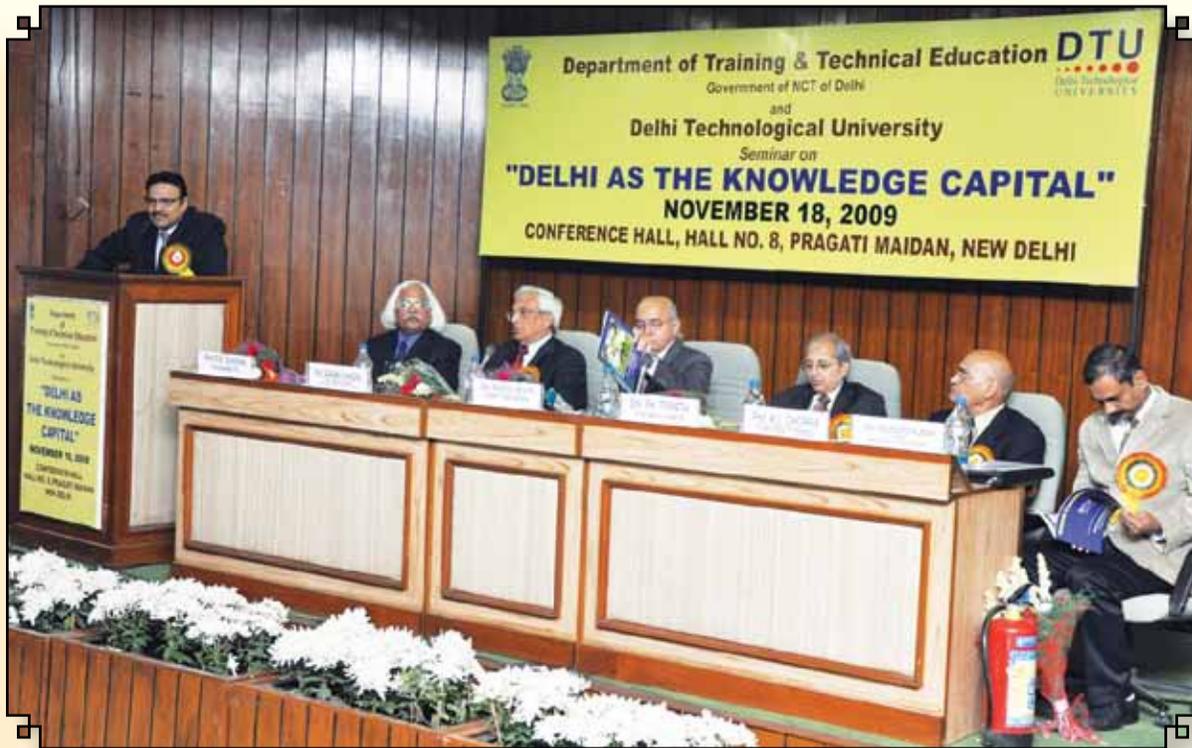




Shri J. P. Singh, IAS & Shri Anand Prakash, IAS at the inauguration of the DTU “Knowledge Park (Technology Incubation Unit)”, February 6, 2010



Dr. Warren Mellor, Director, UNESCO at the inauguration of the International Workshop on “Climate Change and Water Resources in South-Asia”, August 8, 2009



“Delhi As The Knowledge Capital” Seminar at IITF, Nov. 18, 2009



Prof. P. B. Sharma, Vice Chancellor, DTU inaugurating the workshop on “Curriculum Innovation”, December 18, 2009

# Delhi Technological University

( Formerly Delhi College of Engineering since 1941 )

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 up gradation of DCE into a University is seen as a major initiative of Government of Delhi to make Delhi as the Knowledge Capital of India.”*

## 1. The Inspiration:



Academic Plaza, DTU

The inspiration for upgrading Delhi College of Engineering into a Technological University in the NCT of Delhi is 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, specially in 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 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 College of Engineering. 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.

The transformation of DCE into a technological 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 DCE as 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, growth of clean energy and environment technologies and managing technology, businesses and enterprises in the connected economy.

The research outputs of this university shall be of high value to India's socio-economic development and for the progress in industrially relevant science and technology. Strong linkages shall be forged between teaching and research, university and industry, and university and research laboratories.

The DTU shall foster a culture of excellence supported by learned faculty and high quality student intake, including international students. It will also have partnership with its stakeholders and will be accountable to them. It will have the necessary freedom and supportive layers of autonomy to nurture excellence in teaching and research. It will be a pioneering institute having high productivity of quality scientific and technological human resource and brain ware. Industry in India shall be benefited by transformation of DCE into a University from the quality graduate out turn and cost effective technology incubation and innovative product development.

The DCE as a University shall practice the philosophy of creating Pancharit 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:

"69 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 was set up at 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 provided to the nation around 30,000 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, 2400 postgraduates and 75 PhDs have been provided by DCE faculty during the past years.
- ii. The long list of distinguished alumni of DCE 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 of DCE are:

- Shri Vinod Dham, the Father of Pentium Chip.
- Shri Raj Soin, Chairman of Soin International and a highly successful Industrialist in USA.
- Shri K.L. Chugh, Chairman Emeritus, ITC Ltd.
- Shri Pramod Haque, one of the world's greatest venture capitalist.
- Shri A.K. Puri, former CMD of BHEL.
- Shri Ashwani Kumar, CMD, Bharat Electronics Ltd.
- Sanjeev Ahuja, Chairman, Orange SA.
- Prof. Bhuvnesh Goswami, Distinguished Alumni Professor Clemson Univ. USA.
- Prof. D.Y. Goswami, Distinguished Professor at University of Florida, USA.
- Shri Durga D. Agarwal, President, Piping Tech. & Product Inc., USA.
- Yogesh Sud, 1969 Mech, NASA Gold Medalist Scientist.
- Dr. Krishan Kumar, Advisor-Engineering, Maruti Udyog Ltd.
- Shri Anil K. Sardana, MD, Tata Telecommunications.
- Shri Surya Kant, Sr. Vice President TCS and Country Head USA Ltd.
- Shri B.S. Kapoor, Former MD of IRCON International Ltd.
- Shri Karnal Singh, I.P.S., Jt. Commissioner of Police, Delhi.
- Shri Arun Goel, IAS, Ministry of Finance, GOI.
- Ashok K. Baweja, 1970 Elec, Former Chairman, 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.
- Shri A.K. Choudhury, Former CMD of MTNL.
- Lt. General K.K. Mehra, Former Director General of EME.
- Shri S. K. Bijj, Former Member Railway Board & President Indian Building Congress.
- And many more.

### 3.1 Campus Placements of Students :

Campus placement of graduating students of erstwhile DCE (now DTU) has always been very high. A large number of leading industries and organizations visit the campus each year for campus placement. The batch graduating in 2010, has received 660 offers from 125 companies which visited DTU campus during the year. The highest overseas salary offered this year is Rs. 14.0 lakhs and highest domestic salary is Rs. 11 lakhs p.a. while the average salary has gone up to Rs. 5.5 lakhs p.a. The companies which visited DTU this year include Microsoft, Mckinsey, IBM, TCS, Computer Science Corporation (CSC), Agilent, Maruti, Tata Motors, Samsung, BHEL, NTPC, and Defence Research and Development Organization, L&D, Nestle, Sapient Texas, Instruments Smart Cubes, Z S Associates, etc. Our 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 shall surpass the benchmark of its past achievements now that it has freedom to excel.

DCE as DTU now having the opportunity to offer world quality curriculum and research and innovations infrastructure at par with the best technological Universities shall surpass its own bench mark of graduate quality and their placements in world renowned corporate and

industry. This is already reflected in the admissions made in the existing programs in the academic year 2009-2010 wherein the cutoff AIEEE ranks for outside Delhi open seats has moved up to 3999 as against 18500 last year.

### 3.2 Research and Innovations @ DCE now 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 the erstwhile DCE 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.



Smt. Shiela Dikshit, Hon'ble Chief Minister Delhi  
with the DCE Hybrid Team – 2006

- iii. The erstwhile DCE (now DTU) has a strong Bio-Diesel Research Group which has carried out commendable research and development work in the area of Bio-diesel Reactor Design, offered consultancy to the World Bank and has taken major development work for neat Bio-diesel Generator Development with YANMAR of Japan. The group has also developed Algae Bio-diesel Reactor and has promoted energy farming.
- iv. The erstwhile DCE (now 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 is being developed as a Pilot Project for installation of Broadband Over Power Lines.

- v. 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.
- vi. The DCE Hybrid Car designed and developed by the student team in the year 2005 has won the first place in the student category in the Green Car competition in US.
- vii. The DCE supermileage vehicle designed and developed by an interdisciplinary teams of students in the year 2005 won the best design award at the world competition organized by the SAE international at Marshall Michigan, USA-2005.

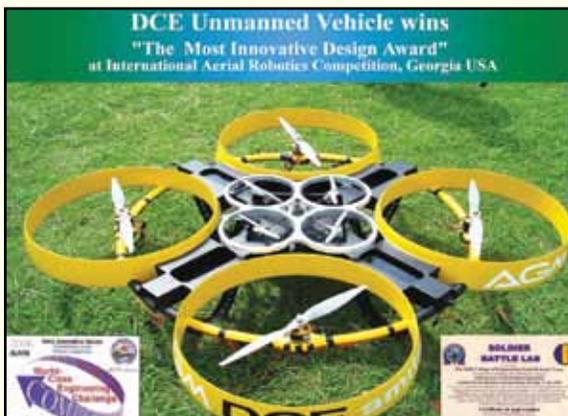


DCE Super Mileage Vehicle received “Best Aerodynamic Design Award” in Marshall, Michigan, USA – 2005

- viii. The UG interdisciplinary student teams, under the expert guidance of the faculty, of the erstwhile DCE (now DTU) 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, DCE Formula Student Car winning the FISITA Best Design Endeavour Award from SAE International in UK, DCE All Terrain Vehicle, Mini Baja which have participated in international competitions in UK and US during the last 5 years.



DCE Formula Student Car – 2008 being visited by  
Mr. Philippe Joubert, President Alstom International, November 2008



ix. The DCE UAV, Unmanned Aerial Vehicle designed and developed by DCE Student team has received the Most Innovative Design Award – 2006 in International Competition at Georgia, US organized by AUVSI International.

x. The DCE AUV, Robotic Submarine has received the Most Improved Design Award – 2008 at San Diego, USA in International competition organized by AUVSI.

xi. The DCE Moon Buggy designed and developed by DCE 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.



DCE Moonbuggy received  
“Best Initial Design Award” in NASA  
Competition – 2008

xii. The DCE Student Team has also developed a Liquid Nitrogen Powered Engine and a Car in collaboration with the Nuclear Science Centre, Delhi.

- xiii. The DCE Student Team has also designed and developed an unmanned aircraft equipped with surveillance capabilities and won The Directors **Award** at the international AUVIS competition in 2009, this year.



- xiv. The fourth generation DTU AUV has recently left for US to participate in international Robotics Submarine design competition at San Diageo, USA, July 28 - Aug. 2, 2009.



- xv. Currently over a dozen teams of students are engaged in the design and development of innovative new products.

The above innovative ventures are well supported by the leading industries in India and also by the Department of Science and Technology, Department of Ocean Development and Department of New and Renewable Energy Sources, Government of India.

## 4. DTU – Creating a Better Tomorrow:

### Vision and Mission of Delhi Technological University

#### 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 India with the Wings of Knowledge and Power of Innovations.”*

To meet its vision the DTU shall be fully networked with industry, on one hand and the academic/scientific community on the other. DCE as DTU shall enter into partnerships with leading Universities and industries in India and abroad. This shall take the form of sponsored chairs by industry, adjunct faculty from world class Universities and from reputed R&D organizations, product oriented R&D and technology incubation, continuing education programmes, providing a platform for industry to conduct product training and internship for students, industrial attachment for faculty, and sabbatical in industry and so on. Similar linkages need to be developed with established centers of scientific & technological research in India.

The selected bodies or individuals shall be those who either have specialized domain/ technological knowledge that this University can partner with, or can be partner in development of technology and product innovation. Visiting / adjunct faculty positions, joint research projects, joint technology development programs, renowned scholars spending their sabbaticals at DTU and industry experts joining the team DTU for education and research initiatives shall make it happen. The University shall emulate the best practices in governance and management for effective administration, management of resources, and faculty, staff and student services.

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

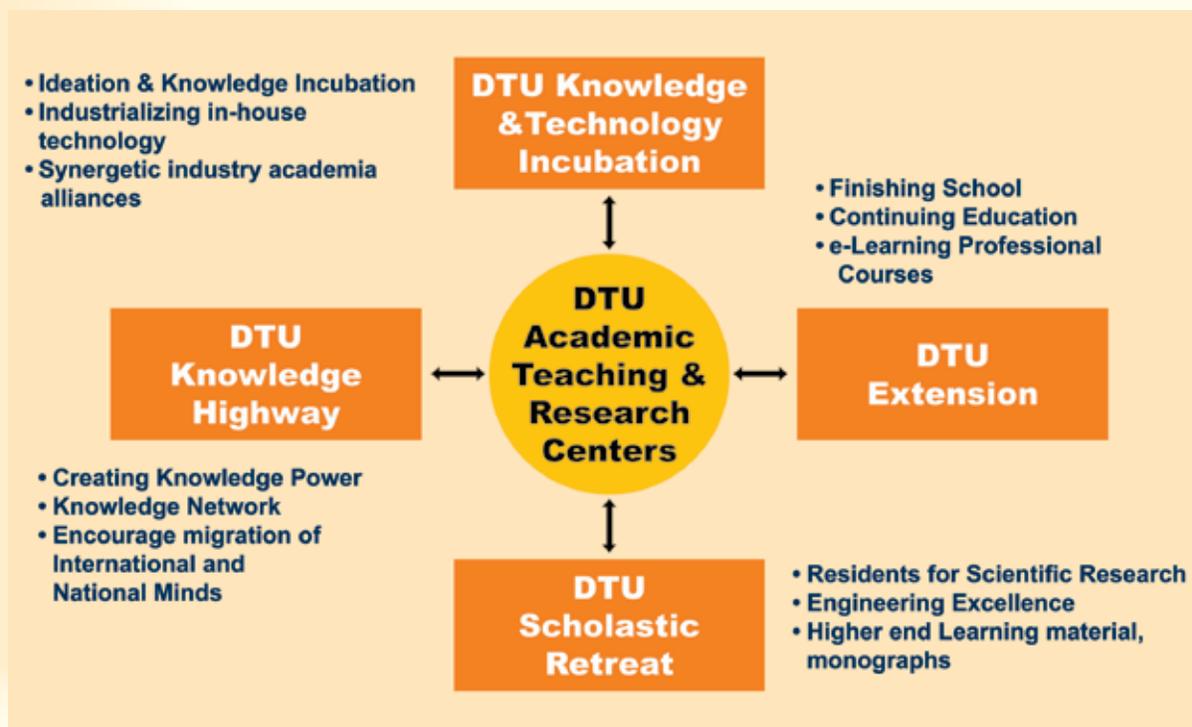
- i. Completely Autonomous
- ii. A pioneering world class S&T University
- iii. A University creating synergy between education and research and synergy between science and engineering
- iv. A change agent to align India’s S&T education to global standards
- v. Industrially Relevant and Mission Oriented 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. Produce well-rounded, socially responsible, up to date, scientifically tempered, design oriented engineer and scientists capable of lifelong learning.
- v. Be able to address the impact of globalization on S&T education.
- vi. Meet the need for engineers and scientists at all levels of tertiary education, UG, PG, and Doctoral levels.
- vii. Operate DTU as a world class Knowledge Enterprise to foster student and teacher led knowledge enterprises.



## ACADEMIC DEPARTMENT

- Department of Electronics & Communication Engineering
- Department of Computer Engineering
- Department of Information Technology
- Department of Electrical Engineering
- Department of Mechanical, Production & Industrial Engineering and Automobile Engineering
- Department of Civil and 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 of Electronics & Communication Engineering has seen a significant growth over the last 36 years, especially because of the rapid advances in electronics, communications and computer engineering. The department today caters 480 UG students in Electronics & Communication Engineering in regular daytime program and 120 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. 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.

The department has started 2-PG programs as M.Tech in VLSI & Embedded Systems and Microwave & Optical Communication from 2009 & going to start a new course on M.Tech Signal Processing & Design from 2010. The Department has focused attention on quality research. Scholarships are available for Ph.D programs in the area of Electronics, Communication, VLSI, DSP, Image Processing and Microwave Engineering. Project and Industrial Training is an integral part of the curriculum and are carried out in frontal areas of technology. There are separate departmental project laboratories. Few new laboratories will start function in the year 2010 like networks laboratory, millimeter wave laboratory, machine intelligence and medical electronics laboratories. New equipment and experimentation work leading to perfect understanding of

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



**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**

electronics principles is the motto of the department. E-lab concept has been planned for the UG / PG students from the new session.

The Department is equipped with well developed laboratories, such as, Electronic Devices and Circuits Laboratory, Telecommunications Laboratory, Microwave Laboratory, Optical Communication Laboratory, Linear Integrated Circuit & BIMOS Laboratory, Computation & Instrumentation Laboratory, VLSI-CAD / Digital System Laboratory, Microprocessors, PCB Laboratory, Advance DSP & Image Processing Laboratory along with computer vision Lab. Microwave CAD Laboratory specializing on the implementation of microstrip antenna design. Two projects from Indian Space Research Centre have been received to be carried out at Microwave CAD Laboratory. New Laboratory of 'Computer Vision' is under development for which a project has been obtained from Naval Research Board along with an Embedded Lab sponsored by Freescale.

The Department is doing advance level research work in the area of Micro strip Antenna Design, Sensor Networks, Image Processing, Pervasive Computing, Analog Circuits using current Conveyors, OTA, OTDRA etc. Design of digital systems with FPGA & CPLD devices and with embedded system controllers. Besides' the Department has very good optical communication, RF Communication and Microwave Communication Laboratories. Department also contributed to the innovative design of diagnostic software tool for early predictions of losses in human brain using MR Images.

A special feature of the department is its sophisticated equipment and test setup for research in the area of electronics and communication engineering. The faculty and students of this department have developed a number of instruments, systems in collaboration with a leading R&D organizations, namely, Transputer based Fault- Tolerant Architecture with DOE, New Delhi, VHDL Simulation & FPGA implementation of Communication Circuits with CEERI, New Delhi and In-circuit Test Development for PLC with Rockwell Automation. Department has also developed VLSI circuits in collaboration with nSys, New Delhi, ST Micro electronics, Noida and SSPL Laboratory of DRDO.

The Department has setup sponsored Laboratories & Research centers, namely, Embedded System Lab with Freescale, VLSI & Mentor Graphics Lab and ST Micro electronics lab and going to have joint research Lab with Hitech - Robotics and Texas Instruments.

The Department regularly organizes seminars, workshops and training programs for giving exposure to the new developments in various fields of Electronics & Communication Engineering.



## Department of Computer Engineering

Computer has revolutionized not only the fields of data processing and storage, but also the processes of communication, manufacturing and transportation, thereby improving our quality of life. PC, Laptop, Internet and Teleconference have become household commodities.

Department of Computer Engineering was established in the college in 1989 and B.E. Degree course in Computer Engineering was started with an intake of 20. Now it has been increased to 90. In last decade, Computer Engineering department has developed state-of-the-art laboratories in the various fields of computer engineering - Processor Development & Testing Lab, Signal Processing Lab, LIC lab, Software Engineering Lab, Network Lab, Web Designing Lab, Multimedia Lab, Computer Architecture Lab, Software Lab, Computation Lab, AI Lab, Data Base Management and Data Mining Lab. These labs are equipped with latest configuration PCs and are completely networked.



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 design & development of software packages and CASE tools which are the need of the day. The course lays greater emphasis on computer engineering, communication engineering and electronic science which are of utmost importance in today's world. 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. Industrial Training is an integral part of the curriculum.

In 1996, the department started M.E. degree level program in Computer Technology and Applications. The curriculum contains latest area of computer technologies such as robotics, distributed Computing, Multimedia, Methodologies of Software Engineering, Networking, and Artificial intelligence among other subjects. The students are doing research work and publishing numerous papers in National / International conference and journals in the latest areas such as Search Engine, Semantic Web, Ontology, Information System security, Requirements Engineering, Security engineering, Data Mining, Mobile Technologies, IP Verification etc.

The Department has also started B.Tech. (Software Engg.) & M.Tech. (Software Engineering) from 2009 with an intake of 60 & 18 respectively. The Curriculum also lays emphasis on nurturing the talent of students for top industries across the globe, for pursuing higher studies and R & D work

**...emphasis on  
nurturing the  
talent  
of students  
for  
global  
industries**



in national and international universities. There have been numerous publications by the department in international/national journals/conferences highlighting the emphasis on research and development. Several technical books have been authored by the faculty members of the department.

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 organises a technical festival named "PHEONIX" which comprises of several technical events like LAN Gaming, Business Plan, Animation, Web Designing, Algorithm design etc.

### Ph.D. Programs

The Department of Computer Engineering has focused attention on quality research and industrial design and development. A large number of problems have been taken up in close collaboration with industries. Excellent facilities are available to conduct research for the award of Ph.D. degree of University of Delhi in the areas of Microprocessor Application, Computer Communication and Networking, Optimization Program, ANN, Speech Recognition, Image Processing, Microchips, Nano-technology, Requirements Engineering etc. The College also offers certain number of scholarships to full time Ph.D. students. Moreover, AICTE, UGC, CSIR, DST and other scholarship awardees can also take up Ph.D. Program.

**CSI-DTU student branch organises "PHEONIX" which comprises technical events like LAN Gaming, Business Plan, Animation, Web Designing, Algorithm design etc.**



## Department of Information Technology

Information Technology means fusion of Computers and Communication Technology. This has changed the face of the world with its various upcoming technologies in diverse fields of industry and education. The career prospects for the younger generation in information technology are stretched over a wide domain, which comprise service industries such as banking, insurance, communications etc as the students are aware of recent advancements in the fields of computers as well as communications. 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. Hence Delhi Technological University (Formerly Delhi College of Engineering) started a B.E. course in Information Technology from academic session 2000-2001 with an intake of 60 students. Looking into the growing demand of these technologies, DTU has started post graduate studies in Information Systems from 2009-10 with an intake of 18 students.



Emphasis of B.E. (Information Technology) is to equip students with the fundamental concepts and tools related to Information Technology. This course is designed in such a way to provide foundation of the basics subjects like software development, networking, computer architecture and design, programming, operating systems, multimedia and graphics, analog and digital communication, and computer communications. Specialized knowledge on the analysis and design of information systems, information security, mobile communication, artificial intelligence, soft computing, digital signal processing, computer vision and expert systems, web engineering is imparted. In addition, there are various electives related to emerging Information Technology areas such as intellectual property rights etc. Further, industrial trainings form an important component of information technology curriculum providing sufficient understanding and technical mastery to the students and make them aware of working culture of industry. This training makes the student to understand practical applicability's of emerging technologies and evolves them as future entrepreneurs or employees.

Ministry of Communications and Information Technology, Govt. of India has identified Information Security has 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 of the Working group was to recommend

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

an action plan and strategy for Human Resource Development in the area of Cyber Security/ Information Security leading to development of indigenous hardware and software capabilities in the core of Information Security. Information security awareness programs have been organized in different esteemed schools and institutes. Also department plans to start an M. Tech. program in Information Security in near future.

Another project by name “Unmanned Aircraft Systems in an autonomous aerial vehicle development” is carried out by multidisciplinary student of DTU in collaboration with LOCKHEED MARTIN, an US company.

State-of-art laboratories in the areas of RF engineering and Web Engineering, Computer Networking, Advance Signal Processing, Information Security apart from various existing laboratories have been developed. Future plans for the advancement and expansion of the research in the areas of information security, computer networks, optical communication and knowledge discovery in databases shall be undertaken.



## 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 and Energy Sources & Utilization the department has developed an important place in the National Capital Region of Delhi. Department has an annual intake of 90 U.G. students in Electrical Engineering program, 36 P.G. students in Control and Instrumentation and Power System program, in addition to significant numbers of research scholars for Ph.D. program. The department is preparing to introduce full time P.G. program in Power Electronic System and Electrical Energy Systems.



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 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. In past, several students of the department undertook Industrial training at International Organizations, and many others have presented their technical papers at various contests abroad, and have brought laurels to the department.

The Department offers diverse area of research centered around Intelligent Control, Optimization, Power Quality, Renewable Energy Sources, Power System Operation, Control Dynamics, Stability and FACTs, Electrical Drives and Hybrid Electric Vehicles. To cater the needs of experimentation and R&D activities, the department has ten (10) well-equipped laboratories in the area of viz, 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 Comm. & IT. The Department is also engaged in consultancy on turnkey basis.

Faculty members of the department have published more than 25 papers

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

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

in International and National Journals of repute in last two 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, and this legacy has been furthered in recent years. Some faculty members have received awards of merit in research and development and some have acquired patent for their research.

The department plans to have new labs for Testing, Calibration & Standardization, Industrial Automation, Bio-Instrumentation and Distributed Generation & Energy Conservation in future. In addition to these, the department plans to have a Distribution and Automation Part and Center for Excellence in Expert Systems and SCADA. The department is also planning to open one P.G. course in Power Electronics Systems and a UG course in Industrial Electronics & Instrumentation. Hosting of Biannual National Electrical Engineering Conference "ELECON" and international Conference once in every four years, workshop and Invited Lecture series every year has also been the future 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 for countrymen at large.

The department has also started a UG program in Electrical & Electronics Engineering (EEE) from the session 2009-2010 with intake of 60 students.



## Department of Mechanical, Production & Industrial Engineering and Automobile Engineering

The Department of Mechanical Engineering and Production & Industrial engineering has seen considerable growth since its inception in 1941 with the intake rising from 30 to 150 (120 for Mechanical and 30 for production & Industrial Engineering). The department of Mechanical Engineering also offers Post Graduate courses with specialization in Thermal Engineering and Production Engineering with total intake of 46 Students. PhD Programs in all fields of Mechanical Engineering are also offered. The Department also offers four years' B.Tech. Programme for working Diploma Engineers with an annual intake of 30 students.

Recently on the growing demand in the Automobile sector the department has added another feather in its wing namely Automobile Engg. The Department has started B.Tech. program in Automobile Engg. with the intake of 60 students. The department is fully equipped with modern facilities and labs related to Automobiles.

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, NX-CAM, AUTOCAD Inventor, Catia, Techomatix, Abqus, Lsydyna, NX-Nartran, Hypermesh, Hyperworks, MD-ADAMS, Dynaform etc. Fluent software is available in the CFD centre.

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 available for 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 Drilling & CNC lathe machine EDM & wire EDM.

The department is having a bio-diesel research. Different species of TBO and non edible oil such as mahua, linseed, high FFA rice bran oil, jatropha, Karanja, vegetable oil algae are converted to bio-diesel as per quality standard of ASTM D-6751. The centre developed small to to medium capacity bio-diesel processing units. The research projects are sponsored by different government organization like ministry of Non Conventional Energy Sources, Govt of India, and Petroleum Conservation Research



**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**



Association. Yanmar Co. Ltd., Osaka Japan, funded project has started in December 2007 for the performance and Endurance test on diesel engine on heat bio diesel for 1500 hours.

The department has been awarded a research project titled "Development of Ice slurry production Technology" under research promotion scheme by AICTE. A project on "Development of solar Photovoltaic Powered Vehicle"

has been approved by Ministry of New & Renewable Energy, Govt. Of India. The Department also organizes invited lectures, conferences and short-term courses for the benefits of students and faculty members.

The Mechanical Engineering Department has a 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 like Alternative Energy Vehicle. This year students have participated in AUV and Solar Energy Car competitions held in USA and Australia respectively. The students have participated in the competition conducted by NASA USA men paddled moon vehicle by the name MOON BAGGI and CHANDER YAN, where DCE students have won prestigious awards. The department also has ISHRAE student chapter. Under the aegis of these student chapters, industrial visits and specialized lectures are conducted.



The department has well qualified faculty, who produce numerous publications in international/national journals, highlighting the emphasis on research and development. The industrial engineering courses of the department have been designed in such a way which develop the students to have managerial and decision making skills thus preparing them for the competitive global business environment.

### Ph.D. Programs

Scholarships are available for research and development in the areas of thermal engineering, power plants, I.C. engines, tribology, alternate fuels, refrigeration and air conditioning, turbomachinery, gas dynamics, machine design, machine dynamics, kinematics, stress analysis, fluid mechanics, instrumentation, finite element analysis, foundry technology, metrology, welding technology, supply chain management, simulation of the system & CFD.

## Department of Civil and Environmental Engineering

The Civil and Environmental Engineering aims to improve the civic life of society by harmonizing the natural resources available on earth. The major areas in the field of Civil and Environmental Engineering are construction technology, Geotechnical Engineering, Transportation Engineering, municipal and sanitary services, surveying and mapping, and hydraulics & water resources. While a construction engineer deals with the design and supervision of construction of bridges, buildings, tunnels and dams. Role of specialized geotechnical engineers are vital and relevant for any structure to stand and stable. Transportation engineering deals with the planning, design and construction of roads, railways, airport, dock and harbours. 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 abatement of air pollution, noise pollution and disaster mitigation.

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

The Department presently caters for 100 UG students: 70 in Civil Engineering and 30 in Environmental Engineering. The Department offers M.Tech. degree level programmes in Hydraulics and Flood Control, Structural Engineering, and Environmental Engineering. A new M.Tech degree programme in Geotechnical Engineering has been started from the session 2010-2011. The M.E. programmes now M.Tech. Programmes, for 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 (PG level - day time)/ (UG level - evening).

The UG curriculum is broad-based and designed to introduce the students with a wide range of problems encountered by civil and environmental engineers. Electives and independently conducted projects are offered in the 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



**.....design and construction of buildings and roads; traffic and transportation, irrigation, water supply, sewage disposal, dams and reservoirs... abatement of pollution, noise pollution and disaster mitigation**

**well equipped  
laboratories for  
Concrete testing,  
Soil Mechanics,  
Highway  
Engineering,  
Experimental  
Stress Analysis,  
Computational  
Mechanics,  
Educational  
Technology,  
Photogrammetry  
and GIS facilities**

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, Environmental Engineering 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 & Environmental 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, Environmental Engineering, Experimental Mechanics, Geotechnical Engineering and other interdisciplinary areas.



Inaugural Ceremony : EDUSAT

## Department of Biotechnology

The Department of Biotechnology is 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. A new Master of Technology (M. Tech.) in Bioinformatics has been started from the session 2010-2011. Besides basic and engineering sciences, the curriculum covers various subjects of Biotechnology. Currently the department has 7 faculty members about 80 undergraduate students and associated staff. Research interests of the department are Bioprocess technology, Enzyme technology, Plant Biotechnology, Computational biology, Bioinformatics, Tissue culture and Drug Design.

The department has developed modern research facility and infrastructure to support the teaching and research activities. The Department has four laboratories based on curriculum : Bioprocess & Downstream Processing, Biochemistry & Enzyme Technology, Molecular Biology & Genetic Engineering and Computational Biology. The department organized a corporate meet on Knowledge Park and a National Seminar on Biotechnology & Bioengineering in which distinguished speakers from IIT, AIIMS, IGIB, JNU and renowned companies like Monsanto and Biocon delivered plenary lectures. Prof. Subhas Chand, IIT Delhi delivered a Plenary Lecture on "Alternative Feed-Stocks & Process Engineering Challenges for the Production of Bio-ethanol" and Prof. Rakesh Bhatnagar, JNU Delhi delivered a talk on "Genetically Engineered Anthrax : Clone to Clinical Trial". The students of the department organize a technical festival KARYON every year. They organize several technical, biotechnology and management related events on national level.

### Objective of the Department

- 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.
- v. Industrial consultancy and Industry-University partnership in Biotechnology.



Bio-reactor

**....well established  
laboratories  
for Molecular  
biology,  
Recombinant  
DNA Technology,  
Computational  
Biology,  
Genomics,  
Enzymology,  
Bioprocess  
technology etc.**

## Facilities at Department



Bio-Chemistry Laboratory

....organized  
a corporate  
meet on  
Knowledge Park  
and.....  
technical festical  
KARYON  
during  
February, 2010

- i. A Bioreactor (10 liter 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, ELISA 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. Nano Particle Analyser, Millipore Ultra Pure Water unit.
- ix. 30 machines connected with internet to perform computation and simulation work.



## 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.E. course on Polymer Science & Chemical Technology. The department is also offering course on M.E. Polymer Technology since 1986. The department admits a few research scholars with scholarships from Ministry of HRD, Govt. of India. The annual intake of B.E. students is 40 which is likely to be increased to 60 in the next session. The annual intake of regular M.Tech. students is 18.



Both B.Tech. & M.Tech. courses are interdisciplinary to prepare the technical manpower for chemical and polymer industry. The department has six regular teachers and nine teachers on contract. The Govt. of N.C.T. of Delhi has created 13 more teaching positions for B.Tech. course. In addition a good number of expert visiting faculty delivers lectures to B.Tech. & M.Tech. students.

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, M.E. 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 a few sponsored projects funded by AICTE, CSIR, UGC, DRDO, DST etc. The department has produced about 40 Ph.D.'s. The teachers of the department have published nearly 140 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 in 2004, 2007, 2009 and has continuously updated B.Tech. & M.Tech. Syllabi.

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 trainings and job placements. The department has established world-class laboratories for undertaking joint research projects with industry, national and international universities. The department teachers undertake consultancy projects. Each year, a few students of the department visit foreign universities for industrial training during summer & winter vacations. Currently, the department is undertaking R & D projects

**Research on  
Composites,  
Bio Polymers and  
Conducting  
Polymers.....  
"New Emerging  
Trends in Synthetic  
Bio  
degradable  
Polymers-  
Polylactide  
A Critique",  
European  
Polymer Journal  
Vol 43(2007)  
4053 "Top 25  
Hottest Article  
in entire Journal  
consecutively for 5  
quarters**

in the areas of Biopolymers, Nanopolymers, Conducting Polymers, Polymer Blends & Composites, Bioactive compounds, etc. Recently, the Department has undertaken a India-Japan joint research project on conductive helical materials for technological applications. The Department has international student chapter of society of Plastic Engineers, USA so that students interact with global scientists & industrialists in area of polymer science and technology. Dr. Archana Rani, Senior Lecturer, has filed two patents on synergistic anti fungal compounds.



## 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 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.

**A sound  
knowledge of  
mathematical  
tools makes  
a technocrat  
to excel in his  
profession.**

The Department of Applied Mathematics offer 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.

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

The department has the necessary expertise available in the following research areas of current interest :

Information theory of its Applications, Graph theory, Numerical Simulation, Relativistic Cosmological Models, Complex Analysis, Algebra and Approximation Theory.

A few full time Ph.D. scholarships are available in the above fields.



## Department of Applied Physics

In the recent past, Applied Physics Department has grown into a major department of Delhi Technological University 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 four year “B.Tech. in Engineering Physics” program covers the various interdisciplinary areas in physical sciences and emerging areas of engineering such as Nano Science and Technology, 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 two year “M.Tech. (MOCE)” 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 two year “M.Tech. (NST)” 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.



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 for all branches of B.Tech. students in their first and second semester. The department has well equipped laboratories to support teaching program for B.Tech. and M.Tech. students, where experiments are designed to broaden the experiments skills of the students.

The department also offers six semester M.Sc. Applied Physics course which is being conducted through University of Delhi.

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, 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 etc.

Department of Applied Physics has following well equipped R&D Labs:

- i. Thin film & Material Science Lab with major equipment: ( a) Furnaces upto 1500 C (b) Agilent 4284 A Precision LCR meter (c) Keithley 6517A Electrometer (d) Retsch Planatory ball Mill PM 100 (5) Piezometer system (e) P-E Loop Tracer (f) DC Poling Unit (g) High Vacuum Coating Unit (9) Bruker Advanced X-ray diffractometer and Hitachi's Scanning Electron Microscope with EDS facility (central facility).



- ii. Fiber optics and Communication Lab with major equipment: (a) Newport project setup in fiber optics (b) Advanced set up for single mode fiber characterization (c) Prism Coupling set up characterization of intergrated optical waveguides (d) Benchmarks Optical Communication experiment setup (e) Fiber splicing Machine (f) Vibration free optical benches (g) Optical Time Doman Reflectometer (h) Fiber ring laser (i) WDM Network Analyzer (j) DWDM optical communication set up with fiber Bragg grating experimental set up (k) Fiber ring Laser etc.

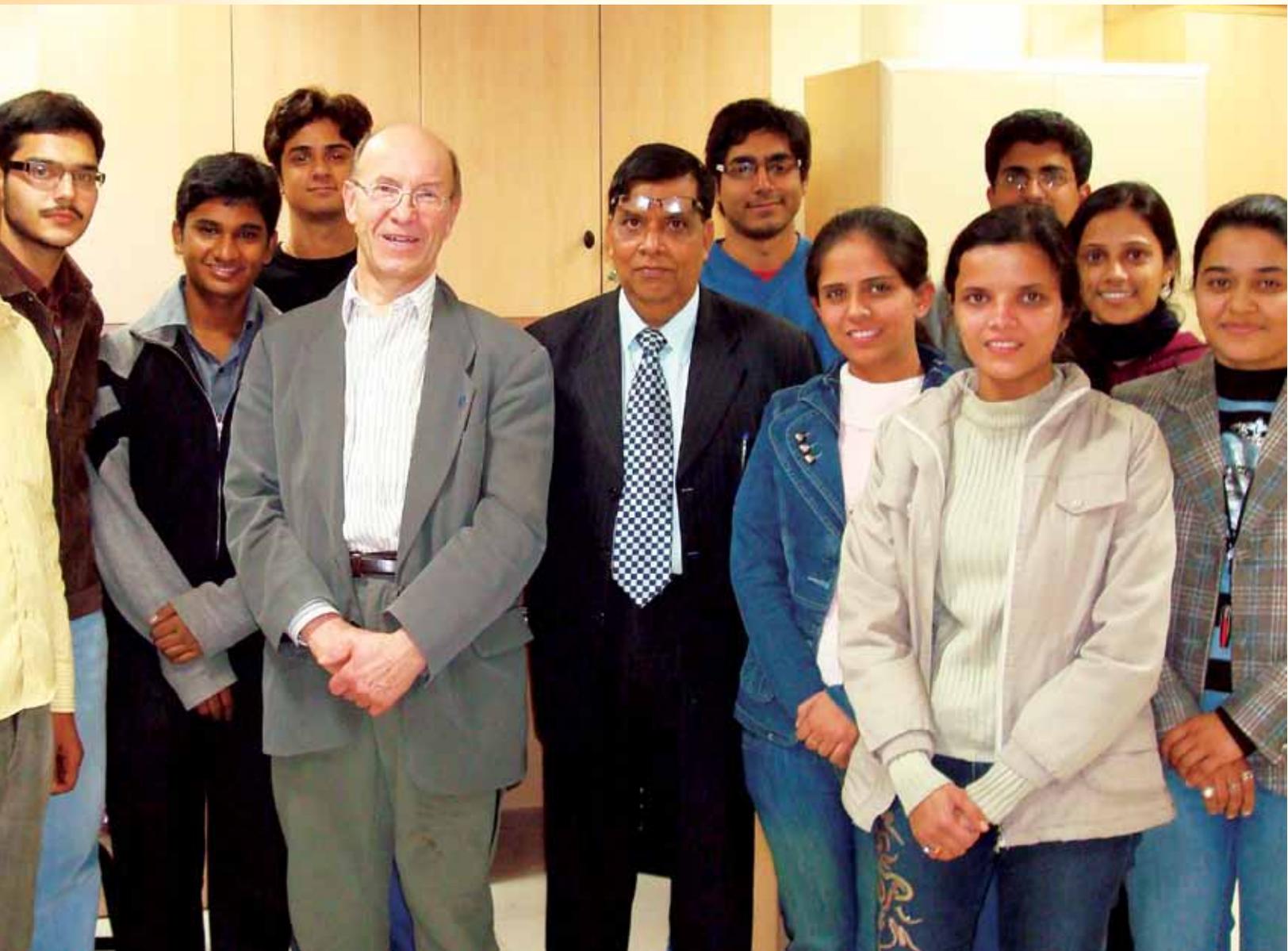
iii. Advanced Computational and Design Lab with ultra modern computational facility to design and simulate nanophotonic devices with state of art software tools (a) RSOF-BPM (b) OPTi-HS (c)VPI software (d) RSOF-OPTi simulation tools (e) RSOF-Full wave and (f)Band solve FEM design software packages (g) Photon Design (h) OptiFDTD (i) Laser CAD (j) Plasmonic Solar Utility CAD (k) Comsol etc.

iv. Advanced Optics Lab with (a) Electro-optic (b) Acousto-optic (c) Magneto-optic (d) Non-Linear optic effect based experimental set ups.

- Department of Applied Physics has the students chapters of (i) "International Society for Optical Engineering (SPIE)-USA". This year Ms. Bhawana Dabas, a Ph.D. student is selected for "optics and Photonics Leadership Award" to represent SPIE DCE chapter, at San Diego, CA, USA during July 2010 and (ii) "Optical Society of America (OSA)-USA.
- Applied Physics Department along with SPIE and OSA student chapters have organized six lectures/seminars including one video conference on Photonic Design Tools in association with RSOF, USA and two outreach activities in various fields of Fiber Optics and Optoelectronic during the year 2009-2010.
- 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.
- Three major sponsored projects are running in the Department at present:
  - i. 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.
  - ii. Synthesis and Characterization of Nanocrystalline Ferroelectric Materials by Mechanical activation process, R&D Project sponsored by AICTE Govt. of India, 2008-2011.
  - iii. Characterization of photonic Crystal Fiber for Telecom and Sensing Application, Major Research project, University Grants Commission, Govt. of India, 2009-2011.



- iv. Department of Applied Physics is also actively involved in the supervision and mentoring of “innovative project” involving teams of inter-disciplinary undergraduate students:
- v. Design and Development of “Intelligent Ground Vehicle” sponsored by DSIR, Govt. of india and
- vi. Design and Development of “Autonomous Under Water Vehicle (AUV)” sponsored by Department of Ocean Development, Ministry of Earth Sciences, Govt. of India. Through this innovative design project, DCE\_AUV team is adjudged as 10 best designer of AUV in the world and is awarded “Most Improved Design” award at international competition held at San Diego, CA, USA in August 2008.



## Department of Humanities

The Department of Humanities offers courses in Communication Skill, English, Economics and Accountancy to engineering students in an effort to train them for the global economic environment of the 21st Century. Beside 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 need of urban slums and rural areas and socio-economic impact of engineering projects. A conscious effort is also made to develop very good communication and business skill among the budding engineers. To achieve this, technical report writing is also taught by the department in which class room teaching is supplemented by market survey and analysis, paper presentation, group discussion etc.

Academic environment of department is highly vibrant. Faculty members and students frequently participate and present their papers in the national and international seminars / conferences. The Department had organized two seminars for the students on 'Nanotechnology & Society' and 'Inclusive Engineering Education' during last academic year.

From academic year 2006-07, full-time and part-time Ph.D. programmes have been started in the department. Few fellowships are also available for full-time Ph.D. programme. The department has the necessary expertise available in the following research areas of current interest :

- Socio-economic studies and feasibility analysis of engineering projects
- Labour market analysis
- Education and skill up-gradation

The department is in the process of setting up Language Laboratory which will expose the students to TOFEL and GRE model of training and practice. By learning correct pronunciation, accent & 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 language course in German, French, Japanese, Chinese and Russian.



**students are sensitized towards technological need of urban and rural areas as well as socio-economic impact of engineering projects.**



## Department of Training & Placement

The Department of Training & Placement is the backbone of any institute. From the very beginning, the college lays greater emphasis on in sit industrial training. The students are introduced to industrial practices through training in the college workshops, factories, installations etc. The Training programs as prescribed by the University are given below :

1. 4 weeks in the University workshops in the winter vacations after third semester for Civil / Electronics and Communication / Computer Engineering students.
2. 4 weeks in University workshops in the summer vacations after fourth semester for Mechanical / Production Engineering students.
3. 4 weeks in University workshops in winter vacations after fifth semester for IT Engineering students.
4. 8 weeks in summer vacations after sixth semester in industries situated in and around Delhi for all branches of Engineering.
5. 8 weeks during winter vacations after seventh in large scale industries for all branches of Engineering.

Large numbers of students have been accepted by several foreign companies in US, UK, France & Germany for summer and winter Training with financial sustenance. Employment of the students of the college is our major concern. The Placement records of our students are an indicative factor that the college is having very fruitful and meaningful relations with the industries. The demand for our graduates has always been very high and in the last few years it has increased exponentially.

Campus placement of graduating students of erstwhile DCE (now DTU) has always been very high. A large number of leading industries and organizations visit the campus each year for campus placement. The batch graduating in 2010, has received 660 offers from 125 companies which visited DTU campus during the year. The highest overseas salary offered this year is Rs. 14.0 lakhs and highest domestic salary is Rs. 11 lakhs p.a. while the average salary has gone up to Rs. 5.5 lakhs p.a. The companies which visited DTU this year include Microsoft, Mckinsey, IBM, TCS, Computer Science Corporation (CSC), Agilent, Maruti, Tata Motors, Samsung, BHEL, NTPC, and Defence Research and Development Organization, L&D, Nestle, Sapient Texas, Instruments Smart Cubes, Z S Associates, etc. Our 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 shall surpass the benchmark of its past achievements now that it has freedom to excel.

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 G.D. and interview. Adequate and modern infrastructural facilities have been created over the years. The process of booking dates for the companies, call of CVs, updating of CVs by the students have been fully automated.



**DTU invite 125 organizations resulting in 660 placements with an average pay package of around 5.5 Lakhs**



**Inauguration of Entrepreneurship Motivation Program**

## Delhi School of Management

Delhi School of Management (DSM) was established in 2009 with the up-gradation of Delhi College of Engineering (DCE) into Delhi Technological University (DTU). DSM envisages to make distinctive future managers keeping in with the tradition of DCE (and now DTU) of excellence in education established for the engineering disciplines. The first batch of Two Year Full Time MBA program was admitted in academic session 2009-10.

At DSM, the curriculum is designed to meet the requirements of the present day technology intensive business functions. DSM trains its students to develop into techno-managers with the ability to manage complex, global and dynamic business environment. We stress on developing a strong foundation in the first and second semester of the program with subjects from across different elements of management. For the third semester, students can pick of one of the three concentrations (each with four subjects) - Supply Chain management, Information Technology Management and Knowledge and Technology Management. To enable them to make an informed choice, one subject of each concentration is taught in the second semester. Similarly, in the fourth semester student can select one of the three concentrations (each with four subjects) - Finance, Marketing and Human Resource.

At DSM, we realize that in order to best equip our students to face the challenges of an information and knowledge driven work environment, we need to provide them with the Triple E i.e. Education, Experience and Exposure. We emphasize on the right combination of classroom learning, hands-on experience in the corporate world and sharing the rich experience of the executives. We believe our students will excel in the globalized economy characterized by innovations, entrepreneurship and speed. In order to provide our students with the exposure, DSM brings them in close contact with the industry executives and eminent academicians through a series of lectures, sponsoring students to conferences and seminars, and facilitating their contributions in newspapers and papers/ case studies in conferences.

In the very first year, DSM organized expert lectures-cum-interaction sessions with eminent management gurus/ industry practitioners like Prof. Prem Vrat, Professor Emeritus, Management Development Institute, Gurgaon, Former Director IIT Roorkee and Former VC, UP Technical University, Lucknow on Strategic Management; Sh. A. B. Menon, Dy. Secretary Ministry of Commerce, GOI on Relevance of WTO in Trade and Industry; Sh. Surendra Kumar, Former Member, Ordnance Factory Board on Change Management; Mr. Varun, BE from IIT Kanpur on Business Ethics and Spirituality; Sh. Pavan Soni, Innovation Evangelist, Wipro Ltd. on Career in EAS consulting; Sh. Manglam of TCS on Software Project Management; Sh. Sanjay Chatrath, VP, SRF Ltd.



on Consumer Orientation; Sh. Jagannath Kathuria, on Budget 2010; Prof. Sushil, IIT Delhi on Flexible System management; Prof. Sanjiv Mittal, GGSIP University on Emerging Issues in marketing; Sh. Shailender Singh, MUL on Supply Chain Management; Sh. Pravin Thapar, 3i Infotech Ltd. on Corporate Performance Management.



The School also observed the Foundation Day of Indian Institute of Industrial Engineering (IIIE) in which eminent speakers like Sh. David Wittenberg, CEO, The Innovation Workgroup. Sh. K. N. Rattan, Former Executive Director, Shri Ram Piston, Sh. R. Sampat, Chairman, Delhi Chapter, IIIE and other eminent speakers participated.

The various societies of DSM provide a vibrant environment for the students by organizing events such as Marketing Quiz by Marketing Club, Brand a New Product by Academic Club, Snapit - the photography competition, Sports Quiz by Sports Club. Articles of two students of DSM, Ms. Swati Gupta and Mr. Dhruv Nijhavan were published in the Financial Express. The students also organized a visit to Mother Dairy to understand their Supply Chain, Kaizen and Poka Yoke.

DSM has also organized visits to seminar for both faculty and students like National Seminar on Remanufacturing, Steel Summit, National Conference on MNCs in India (Prof. C. K. Prahalad was one of the key speakers), National Seminar on Engineering Innovations in Manufacturing, 4th Sustainability Summit, 5th National Quality Conclave on "Leveraging Quality for Good Governance by QCI, Conference on Future of IT & ITeS Sector etc. These visits sponsored by DTU or on invitation from CII.

To allow our students to gain on the job training and apply the classroom knowledge, we created avenues for them to work closely with the industry professionals. It is in this context that an 8-week summer internship 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, who is a senior faculty from a premier institution. The role of the mentor will be to help the student to find a good organization for internship, help in preparing internship schedule, identify the project, design and execute the study e.g., data collection, data analysis and finally prepare a high quality report.



The School also admits scholars for the PhD program in areas like Technology Management, Knowledge and Innovation Management, IPR Management, Supply Chain Management, Management of Information System, Total Quality Management, Productivity Management, Enterprise Management.

## ADMISSIONS

- **B.Tech. Programs**
- **B.Tech. (Part Time) Programs**
- **M.Tech. Programs**
- **MBA Programs**
- **Ph.D. Programs**

**ACADEMIC CALENDAR FOR B.Tech. 2010-2011****ODD SEMESTER**

02.08.2010 (Mon) : Vice Chancellor's Address to I sem, Registration of I/III/V/VII semester students ; Teaching starts for all semesters.

***MID Semester Examination: September 13-18, 2010 (Monday-Saturday)***

01.10.2010 (Fri) to : Teaching break for Commonwealth Games (Therefore,  
17.10.2010 (Sun) teaching classes shall be held on every Saturday w.e.f. 7.8.10 to 25.9.10 and then from 23.10.10 to 6.11.10)

18.10.2010 (Mon) : Teaching resumes

13.11.2010 (Sat) : Teaching ends for I, III, V, VII semester

16.11.2010 (Tue) : Display of sessional marks and shortage of attendance

***END Sem Theory Examination for I, III, V, VII, Sem: 17.11.2010 (Wednesday) onwards***

01.12.2010 (Wed) : Practical Examinations for I, III, V, VII semester

08.12.2010 (Wed) : Winter break, Workshop Training, Survey Camp, Industrial Training

**EVEN SEMESTER**

10.01.2011 (Mon) : Registration & Teaching starts of II, IV, VI semesters

01.02.2011 (Tue) : Registration & Teaching of VIII semester students

***MID Semester Examination: March 14-19, 2011 (Monday-Saturday)***

07.05.2011 (Sat) : Teaching ends for II, IV, VI, VIII semesters

09.05.2011 (Mon) : Display sessional marks and of shortage of attendance

10.05.2011 (Tue) : Practical Examinations for II, IV, VI, VIII semesters

***END Sem Theory Examination for II, IV, VI, VIII, Sem: 16.05.2011 (Monday) onwards***

01.06.2011 (Wed) : Summer Vacation, Workshop Training, Industrial Training  
To 30.07.2011 (Sat)

01.08.2011 (Mon) : University reopens after summer vacations

## 3.0 ADMISSION TO B.TECH. PROGRAMS

### 3.1 Course Offered

The following courses offered for the Bachelor of Technology Degree under Delhi Technological University.

	Delhi Technological University (Formerly DCE)	Intake
1.	Electronics and Communication Engineering	120
2.	Computer Engineering	90
3.	Electrical Engineering	90
4.	Mechanical Engineering	120
5.	Civil Engineering	70
6.	Production & Industrial Engineering	30
7.	Environmental Engineering	30
8.	Polymer Science & Chemical Technology	40
9.	Information Technology	60
10.	Bio-Technology	20
11.	Software Engineering	60
12.	Electrical and Electronics Engineering	60
13.	Automotive Engineering	60
14.	Engineering Physics	60
	<b>Total</b>	<b>910</b>

### 3.2 Eligibility conditions for admission

#### 3.2.1 Educational Qualification (For Delhi Region Candidates) 85% of Quota

A candidate passing any one of the following examinations from recognized School/College/Institute located within the National Capital Territory of Delhi only and securing 60 percent or more marks in the aggregate of Physics, Chemistry and Mathematics shall be eligible for admission to the first semester of the Bachelor of Technology Course provided that 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 recognised 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. by the University.

### **For Outside Delhi Region Candidates 15% of Quota**

A candidate passing anyone of the following examinations from the recognized School / College / Institute located outside the National Capital Territory of Delhi only and securing 60 percent or more marks in the aggregate of Physics, Chemistry and Mathematics shall be eligible for admission to the First semester of Bachelor of Engineering Course provided that 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 recognised 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. by the University.

**NOTE : the admission under 85% quota and 15% quota will be made in DTU strictly on All India Overall Rank obtained in AIEEE 2010.**

A candidate must additionally have passed English as a subject of study of the Senior School Certificate Examination Level (Core or Elective).

#### **NOTE :**

- i. An applicant who has to leave an Engineering 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.
- ii. Candidates who have appeared at the Annual Examination of the year 2010 and placed in compartment will not be eligible for admission for the year 2010-11.
- iii. Candidates who have appeared at the Annual Examination of the year 2010 and reappear for the improvement to acquire the eligibility will not be considered for admission for the year 2010.

- iv. No admission will be made directly to the second or any subsequent semester of the course.
- v. No change of branch will be permitted after the commencement of the second semester, even if some seats fall vacant in some of the branches during the course of second semester.
- vi. **No admission will be made after 31.8.2010.**

### 3.2.2 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 requirement as detailed below :

1. **Scheduled Castes (SC) and Scheduled Tribes (ST) :**  
Candidates belonging to Scheduled Castes and Scheduled Tribes shall be allowed 10 percent concession of marks in the minimum eligibility requirements.
2. **Children/War Widows of Defence 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 percent marks in the minimum eligibility requirements.
3. **Physically Handicapped (PH):**  
Candidates belonging to Physically Handicapped category shall be allowed 5 percent concession of marks in the minimum eligibility requirements.

### 3.2.3 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 upto 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.

## 3.3 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 of Delhi. 85 percent

#### (ii) Outside Delhi Region

For students passing from the recognized Schools/Colleges/Institutions located outside the National Capital Territory of Delhi. 15 percent

**NOTE :**

THE CRITERION FOR DECIDING THE REGION OF THE CANDIDATE WHO HAVE PASSED / APPEARED IN THE QUALIFYING EXAMINATION THROUGH PATRACHAR VIDYALAYA, DELHI/ NATIONAL INSTITUTE OF OPEN SCHOOL DELHI, IS WHETHER CENTRE OF EXAMINATION WAS / IS LOCATED IN THE NCT OF DELHI.

- (i) Except for the Nominees of Govt. of India, as stated later in Clause 3.7 the admission is open to Indian nationals only.

### 3.4 Region, Category Codes and Allocation of Seats

Region	Code	Category	Code	Sub-Category (if any)	Code
Delhi	D	General / Open	OP	Physically Handicapped	PH
		Scheduled Tribe	ST		
Out Side Delhi	O	Scheduled Caste	SC	Defence	CW
		Other Backward Classes	OB	Kashmiri Migrant	KM

### 3.5 Reservation

Reservation policy for the year 2010-11 would be notified on the website [www.dce.edu](http://www.dce.edu) as and when the same is approved by the Govt. of NCT of Delhi. The policy for 2009-10, last year was as per the following :

**(a) Scheduled Castes (SC)**

15 percent of the total seats in each Institution.

**(b) Scheduled Tribes (ST)\***

7.5 percent of the total seats in each Institution.

*\* As per Hon'ble Supreme Court decision for 2009-10 only.*

**(c) Other Backward Classes (OBC)**

Reservation to Other Backward Classes (OBC) candidates shall be provided as per the policy of the Govt. of NCT of Delhi.

**Sub categories under each category**

**(d) Children/War Widows of Defense Personnel Killed/Disabled in Action (CW)**

5 percent of the total seats in each Institution for children/windows of personnel of Armed/Paramilitary Forces killed/disabled in action during the hostilities in the following priority:-

**PRIORITY I** - Widows/wards of Defence Personnel/Para-Military Personnel Killed in action.

- Priority II -** Wards of serving personnel and ex-servicemen/Para-Military Personnel disabled in action.
- Priority III -** Widows/wards of Defence Personnel/Para-Military Personnel who died in peace time with death attributable to Military Service.
- Priority IV -** Wards of Defence Personnel/Para-Military Personnel disabled in peace time with disability attributable to Military Service.
- Priority V -** Wards of ex-servicemen personnel and serving personnel paramilitary / police personnel who are in receipt of Gallantry Awards.

**(e) Physically Handicapped (PH)**

3 percent of the total seats in DTU.

The 3 percent reservation may be allocated as followed : 1 percent for persons with low vision or blindness, 1 percent for hearing impaired, 1 percent for those 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 for admission to B.Tech. courses from the academic session 2010-2011. The candidates seeking admission under Kashmiri Migrants seats should submit attested copies of the following documents alongwith 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.

**NOTE :**

- i. In the case of category (a) and (b), the vacant seats are interchangeable.
- ii. In case sufficient number of eligible candidate from the categories mentioned at (c) above are not available, the vacancies **will be treated as unreserved in the respective Category.**
- iii. The reservation under CW category is available only to such candidates who fall under the above listed five priorities.
- iv. 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/PH reserved categories will be required to produce the original certificate of the respective reserved category issued by the competent authority (as listed in clause 3.6) at the time of counseling. If the category certificate is not found to be in order, no benefit of the reserved category will be given.

**"Reservation : Reservation in respect of SC/ST/OBC/PH/CW shall be provided as per the policy of the Govt. of Delhi.**

### 3.6 Certificates Required

Candidates applying for any reserved seat as mentioned in Clause 3.5 (a), (b), (c), (d), (e) and (f) (i.e. SC, ST, CW, PH & OBC) should submit the following certificates as the case may be at the time of counselling.

For admission to a seat reserved for Scheduled Castes/Scheduled Tribes, a certificate in original from an approved district authority stating the Scheduled Caste/Tribe, 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).
- (c) 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.

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, Delhi
- 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 Physically Handicapped 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.

### 3.7 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.

### 3.8 Procedure for Admission

- (a) The admission to the B.Tech. Courses will be made at Delhi Technological University, Delhi.
- (b) The admission of the candidates belonging to the different Regions and categories will be made on the basis of AIEEE-2010 conducted by CBSE :-

**NOTE :**

- i. The candidates who have passed the qualifying Examination from recognized School/ College/Institutes located within the National Capital Territory of Delhi are eligible for admission against 85% seats reserved for Delhi Region Candidate on the basis of AIEEE-2010.
- ii. The candidates who have passed the qualifying Examination from recognized School/ College/Institute located outside the National Capital Territory of Delhi are eligible for admission against 15% seats reserved for Outside Delhi Region candidates on the basis of All India Overall Rank of AIEEE-2010.
- (c) For all categories of Delhi Region/Outside Delhi Region Candidates the basis of admission is the rank secured by the candidate in AIEEE 2010. **The candidates who have appeared in AIEEE 2010 are not automatically considered for admission to B.Tech. Courses. They are required to submit a separate application on a prescribed form to be procured from Delhi Technological University after the announcement of AIEEE-2010 Result. The Application Form for admission to B.Tech. courses can be downloaded from [www.dce.edu](http://www.dce.edu).** Students should indicate their rank in their respective category at the AIEEE 2010 in the appropriate column (The required Application Form for the B.Tech. Courses for admission in 2010-11 is attached at the end of this Prospectus).
- (d) The candidates who seek admission as nominees of the Government of India need not submit the aforesaid application. Their application must be forwarded through the Ministry of External Affairs, Government of India as detailed under Clause 3.7.

**(e) FOR GENERAL/SC/ST/CW/OBC CANDIDATES**

In case two candidates have the same marks at the AIEEE-2010, marks obtained in Qualifying Examination in subjects of Physics, Chemistry and Mathematics taken together with equal weightage will be the basis of merit of admission. In the event of marks of PCM being equal, the candidate born earlier will be given preference.

**(f) MODALITIES FOR ADMISSION TO VARIOUS UNDER GRADUATE / POST GRADUATE COURSES FOR THE PHYSICALLY HANDICAPPED CANDIDATES.**

- 1. Three percent (3%) seats in all undergraduate and postgraduate courses will be reserved for candidates with physical disabilities.
- 2. Reservation will be implemented course-wise in undergraduate courses, keeping in mind the suitability of the various courses for physically handicapped students

depending inter-alia, on the nature and severity of their disability. The reservation will be implemented Department-wise in post-graduate courses and in under-graduate courses.

3. Candidates seeking admission under reservation shall be required to fulfill other criteria of admission as detailed in eligibility conditions except relaxation of 5% marks in the minimum eligibility conditions.
4. Candidates with physical disabilities who are able to secure admission in the general category will not be counted in the 3% quota.
5. The 3% reservation may be allocated as follows : 1% for persons with low vision or blindness; 1% for hearing impaired; 1% for those with loco motor disabilities and or cerebral palsy. However, if sufficient candidates are not available in a sub-category then candidates from the other sub-categories shall be considered.
6. **Candidates with more than one type of reservation.** The reservation shall cut across the existing reservations of SC/ST/OBC/OPEN Children/Widows of Officers and Men of Armed forces including Paramilitary forces killed/disabled in action or those who died/were disabled on duty, etc. in accordance with the principle of reservations. In other words, there will be sub-reservations for physically disabled candidates in each reserved category, thus a disabled SC/ST/OBC/OPEN candidate would have preference over an able-bodies SC/ST/OBC/OPEN candidate.

**NOTE :** It is clarified that there is no bar to a candidate seeking admission under the physically handicapped category to seek admission either under the General Category or any other reserved category if the candidate is otherwise eligible and entitled to take the benefit of any other reservation.

7. If sufficient numbers of the candidate are not available under the reserved categories, then their seats may be filled with General/OPEN Category candidates.
8. DTU is free to exceed the 3% reservation quota if necessary (Note : Ordinarily the number of seats reserved would be 1 for 33; 2 for 67 and 3 for 100 and so on. However, DTU may round off the number of reserved seats to next higher level, if the number of calculated seats falls more than half way between two levels, e.g. for 54 seats the number of reserved seats would be 1.62, which may be rounded off to 2 though it may appear to be 4% quota. In essence, the nature of reservation should be enabling in spirit and the University should not feel prevented from exceeding the 3% quota.
9. The Dean Students' Welfare (DSW) will arrange for professional counseling of physically challenged students to enable them to decide about courses keeping in view their aptitude, disability, and future career prospectus.

10. The application form will be available at the Registration desk. The dates and time for availability for submission of forms will be the same as that for general category students.

The application form should be accompanied by 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 or rights and full participation) Act 1995. The certificate should indicate the extent (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 certificate.

**NOTE :**

- (a) In the event of any complaint or doubt by the University authorities as to the genuineness of the certificate of the extent of the disability of the candidate concerned or in regard to the entitlement of the candidate to seek admission under the category of physically disabled candidates, it is open to the University authorities/the Registrar of the DTU to refer the candidate to a Medical Board to be constituted by the University and/or take such other steps as may be required to ascertain the correct facts and entitlement of the candidate concerned and if it is found that the candidate is not eligible for entitlement under this category, cancel the admission after issuing a show cause notice to the candidate concerned giving him 15 days to reply.
- (b) The candidate would give a declaration to the effect that information furnished in the application form and the documents annexed to the same and information contained therein are true and correct and that in the event of the same being found to be incorrect in any respect, his admission is liable to be cancelled, in addition to any other action that may be taken against him.

11. In all cases, separate merit lists will be made for disabled candidate under 3% quota. However, if the number of applicants for a course/institution exceeds the quota, a priority list of candidates will be prepared taking into account :

- i. Marks obtained in the qualifying examination for admission and
- ii. Severity of the disability

**NOTE :**

Marks obtained in the qualifying exams being same, priority will be given to candidate whose disability is more severe, e.g. complete loss of vision over partial loss of vision, or loss of complete limb over loss of few fingers etc.

12. On request of the Deans Students' Welfare, Vice-Chancellor would constitute a medical board consisting of (a) medical specialists in the concerned field of disability, (b) nominee of the Dean of Academic having special knowledge about the proposed discipline of study of candidate. The Medical Board shall examine the candidates to determine the extent of disability on a 10-point scale and recommend the points to be added as weightage to the marks scored in the qualifying examination, for the purpose of admission.

The medical boards shall meet within one week of the last date of submission of form/ announcement of result of entrance examination as the case may be. The candidate can enquire about the dates of medical examination on the DTU Website.

13. The medical board shall send all data on disability points awarded to each candidate to the Registrar, DTU.

14. The certificate issued by the Medical Board constituted by DTU will be valid for the purpose of admission to DTU only.

15. As far as possible all admissions of physically disabled candidates should be completed by the last date prescribed for the general category candidates.

16. Grievances regarding admissions under reservation for persons with disabilities should be reported to the Registrar, DTU who will convene meeting of the Grievance Committee set up for the purpose.

(g) All admissions of Delhi Technological University will close on 31.8.2010.

(h) The candidates are entirely responsible to prove their eligibility for admission to B.Tech. Courses at the time of counseling. All admissions will be subject to verification of facts from the original certificates/documents of the candidate.

In case any candidate is found to have furnished false information or certificate etc or is found to have withheld or concealed any material information in his/her application, he/ she will be debarred from admission.

If an applicant is found to be ineligible at a later date, even after admission to the University, his/her admission will be cancelled.

The admission to B.Tech. Courses under Children/War Widows of Defence Personnel Killed/Disabled in action (CW) and Physically Handicapped (PH) will be made through AIEEE-2010. All such candidates who are applying under these categories will have to appear in AIEEE-2010.

All candidates of all categories must come for counselling in person or through his/ her representative along with the following documents. In case the candidate or his/

her representative does not appear before the B.Tech. Admission Committee-2010 for counseling on the specified date and time, he/she shall forfeit his/her claim for admission to B.Tech. Programme during the said year.

The counseling for admission to outside Delhi Region quota for all categories shall also be conducted at DTU by B.Tech. Admission Committee 2010.

### 3.8.1 Documents required at the time of Counseling (in the following order)

- i. Three photograph passport size (same as pasted on application form).
- ii. The Admit Card & Score Card of AIEEE-2010 (except the nominees of Govt. of India)
- iii. The original and attested copy of marks sheet of the qualifying examination as given in clause-3.2.1.
- iv. The original and attested copies of certificate and marks sheet of High School or equivalent examination.
- v. The original certificate and attested copy for the reserved category, if other than the General Category.
- vi. Medical fitness certificate in case of OPEN / General / SC / ST / CW/ OBC (on the FORMAT given along with the application form).
- vii. Medical certificate of physical 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 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 certificate. The decision of the Delhi Technological University regarding the eligibility/admission of any applicant shall be final.

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.

## 3.9 Instructions for Candidates

The procedure for obtaining the application form is described in Section 3.10. Sale of these forms will start from 25.05.2010. The Application Form can also be downloaded from [www.dce.edu](http://www.dce.edu)

The Applications of Nominees of Govt. of India must be forwarded through the Ministry of External Affairs, Govt. of India.

**Branch allotted to a candidate is determined by the criteria as explained in the preceding two paragraphs vis-a-vis preference of branch given by him/her. Depending on the position of the candidate in the merit list, the highest available choice of the branch as indicated by the candidate is allotted.**

The procedure for admission to B.Tech. Courses in Delhi Technological University for the year 2010 batch will be as follows:

Candidates are required to come for admission as per schedule given later in Section 3.14 provided that they have submitted the Application Form and have the rank as specified in the schedule. The list of applicants will be displayed on the Notice Board and also on DTU Website [www.dce.edu](http://www.dce.edu) **NO LETTERS CALLING THE CANDIDATES FOR ADMISSION WILL BE ISSUED.** The candidates are required to present themselves as per the schedule in Section 3.14 according to the rank in AIEEE-2010. Only those candidates who have submitted Application for admission in the prescribed form in time and have the rank as specified, will be considered for admission. No application will be accepted after the last date of admission i.e. 21.06.2010.

**Only one chance for counseling as notified in the Prospectus will be given to the candidates. The candidates will be called one by one according to their Rank in AIEEE-2010 from amongst those present at the time and date as specified in Section 3.14. They will be informed of the Branch offered to them as per their preference indicated by them in Application Form and their rank in AIEEE-2010 and asked to present documents. After verification, the originals and Xerox copies will be retained by the Chairman, B.Tech. Admission Committee and an Admission Slip will be issued.**

**The candidate must pay the fees immediately to confirm his/her admission.**

**If a candidate does not report for admission or does not mark his/her attendance on the scheduled date at the specified time either in person or through his/her nominee for counseling as per his/her AIEEE-2010 Rank on the notified date(s) and/or refuses the offer of admission depending upon the availability of seats at the time of counseling or no branch is allotted or if a seat is offered in the Branch which may or may not be his/her first preference and he/she refuses to accept the same or he/she does not pay the fees on the day of admission, he/she shall forfeit his/her claim for admission to B.Tech. Program during the said year.**

The Original Certificates of the admitted candidate will be returned after Dec. 2010 or on withdrawal from the DTU whichever is earlier.

### **3.10 Procedure for Obtaining the Application Form for Admission**

All candidates seeking admission to B.Tech. courses in DTU are required to submit an application on a prescribed form available from Joint Registrar (Admin.) Delhi Technological University, Shahbad Daulatpur, Bawana Road, Delhi-110042 either in person on **payment of Rs. 750/- by Demand Draft, or by post on remitting a Demand Draft of Rs. 850/- drawn in favour of the Registrar, DTU and payable at Delhi.** The Application Form can also be downloaded from [www.dce.edu](http://www.dce.edu) and submitted alongwith demand draft of Rs. 750/- drawn in favour of the Registrar, DTU, Delhi, payable at Delhi.

The written request for admission form by post should be accompanied with the following:-

1. Demand Draft of Rs. 850/- as mentioned above (Candidate should write his/her Name, Address & Telephone No. on the back of the Demand Draft).
2. Three slips of paper size 10 cm x 5 cm containing the address to which application form is to be sent. The candidate requesting for the application form by post must write on the top of the envelope "Request for B.Tech. Form" and mail it to Joint Registrar, DTU, Shahbad Daulatpur, Bawana Road, Delhi-110042. Such a request for the Application Form must reach the University on or before 07.06.2010 (Monday). Request received after that date will not be entertained. The sale of Application Form will start from 25.05.2010 (Tuesday) at DTU.

### 3.11 Instructions for Filling the Application Form

#### General :

Read the instructions carefully before filling the form. Use capital letters only. Complete all the items. Incomplete applications are liable to be rejected. Avoid overwriting. The instructions are given items-wise as per the order in the application form.

- 1 Write the name as given in the school records.
- 2(a,b,c,d) As already stated the criterion for deciding the eligibility of an applicant to a seat reserved for a region is the location of school/college from which he/she has studied and passed the Qualifying Examination. Based on the location of the school, reservation category and sub category, if any, identify the codes given in the table in section 3.4.
- 3(a) Write the Roll No. of AIEEE-2010 Examination as applicable.
- 3(b,c,d) Write the All India Overall Rank in the respective category and marks obtained in AIEEE-2010.
- 4 & 5 Write the desired information.

**Please note that the admission to the seats indicated is open to Indian Nationals Only.**

- 6(a) Write the date of birth as given in your school records i.e. Class-X.
- 6(b) If you are under-age, indicate the extent of shortage in month and days in the boxes provided. Shortage is to be calculated by subtracting the age on 01.10.2010 from 17 years.

7 Write the Branch Code in order of your preference; See Annexure-1.

### Annexure - 1

Branch	Branch Code
B.Tech. Electronics & Communication Engg. (ECE)	1
B.Tech. Computer Engg. (COE)	2
B.Tech. Mechanical Engg. (ME)	3
B.Tech. Electrical Engg. (EE)	4
B.Tech. Production & Industrial Engg. (PIE)	5
B.Tech. Civil Engg. (CE)	6
B.Tech. Environmental Engg. (ENE)	7
B.Tech. Polymer Science & Chemical Technology (PCT)	8
B.Tech. Information Technology (IT)	9
B.Tech. Bio-Tech. (BT)	10
B.Tech. Software Engg. (SE)	11
B.Tech. Electrical & Electronics Engg. (EEE)	12
B.Tech. Automotive Engg. (AE)	13
B.Tech. Engg. Physics (EP)	14
The option once exercised will be treated as the final. No change in the order of preference will be permitted subsequently	

Example : If the order of preference of branch for a candidate is  
ECE, SE, COE, EEE, ME, EE, AE, EP, PIE, IT, PCT, CE, BT, ENE

He/She will fill the #7 of the application form as :

Order of Preference	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV
Branch Code	1	11	2	12	4	3	13	14	5	9	8	6	10	7

#### NOTE:

The options indicated in the application form cannot be changed later on. The applicants are required to fill all the preferences, otherwise it will be treated incomplete and liable to be rejected.

8(a, b, c,d,e) Write the name of the Qualifying Examination on the basis of which you are seeking admission. If you have passed more than one examinations listed at para 3.2 you may select anyone. Please note that you are required to submit only an attested photocopy of the marks sheet at this stage. Original marks-sheet is to be shown at the time of admission.

Write the name of the Board/University which conducted the examination listed above.

Write the name of the School and State / Union Territory where the school is located.

- 8(f&g) Calculate the percentage marks obtained in (i) Physics, Chemistry & Mathematics as indicated by the Board/University rounded to two decimal places; (ii) PCME percentages as calculated by adding Physics, Chemistry, Mathematics and English percentage and dividing by 4. Aggregate percentage means the total which is considered by the Board/University of the classification of the result.

Write you category and sub category (if any) in the appropriate box. The certificate is to be signed by the candidate after writing the caste (Applicable for reserved category candidates only).

- 9, 10, 11, Write the desired information.  
12 & 13

- 14 According to the requirements for admission a candidate must have passed English as a subject at X class or XII class level. Indicate the higher examination in English passed.

- 15 Enter the desired information.

- 16 This certificate is to be signed by the Principal of the School where the candidate studied last. Name and address of the school is to be shown at the appropriate place.

- 17 Enclose the desired certificates and tick in appropriate boxes.

- 18,19 The undertaking(s) are to be signed by the candidate/parent/guardian as the case may be, with date and place.

The completed Application Form for B.Tech. admission is to be submitted to Joint Registrar (Admn.), Delhi Technological University, Shahbad Daulatpur, Bawana Road, Delhi-110042.

**The Last date for receipt of the completed Application Form is 21.06.2010 (Monday) at DTU.**

**DTU shall not be responsible for any postal delay or loss. The candidate must ensure that the DTU receives duly completed application on or before the last date. All applications received after the last date stand rejected automatically.**

### 3.12 Upgradation to a Branch of Higher Preference

- i. A candidate who has been admitted to a Branch other than his/her first choice will automatically be transferred, as per his/her merit in AIEEE-2010, 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. Notifications in this respect will be issued by the Chairman, B.Tech. Admission Committee.
- ii. **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 highest preference indicated in his/her Application then he/she must submit, a request in the prescribed proforma to the Chairman, B.Tech. Admission Committee for freezing the same. Similarly a branch once upgraded, the new allotted branch may also be got frozen within one day after the upgradation. Any freeze request made later may not be entertained.
- iii. **Once an upgradation list is issued, it is mandatory for the students to shift to the new branch. Request for reversion to the old branch will not be entertained.**
- iv. **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 31.12.2010), the change of branches will be affected immediately, as per the final list. No. change/shift will be allowed thereafter.**

### 3.13 Time Schedule

#### Application

25.05.2010 (Tuesday)	:	Date of release of Application Forms
07.06.2010 (Monday)	:	Last date for receipt of request for Application Forms by Post
21.06.2010 (Monday)	:	Last date for selling the Application Forms on Counter at DTU by 1.00 p.m.
<b>21.06.2010 (Monday)</b>	:	<b>Last date for receipt of completed Application Forms at DTU by 5.00 p.m.</b>

#### NOTE :

- i. All applicants who wish to be considered under the Physically Handicapped category shall have to produce a certificate of physical disability issued by a duly notified Medical Board of a District/Government Hospital setup for examining the physically challenged candidates under the provisions of the Persons with Disability (Equal opportunities, protection of rights and participation) Act 1995. The Certificate should indicate the extent (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 certificate.

- ii. Physically Handicapped candidates shall also submit two recent passport size photographs at the time of medical examination.
- iii. Only such candidates who have been medically examined by the Medical Board of DTU will be eligible for consideration for admission on the day of counselling.
- iv. It is in the interest of the candidates under the Physically Handicapped Category to submit the application forms well in time, for necessary processing by the Admission Committee before these are forwarded to the Medical Board of DTU. These candidates are required to submit a photocopy of the application form duly filled by them IN ADDITION TO THE ORIGINAL APPLICATION FORM.

***NOTE : Certificate of disability for physically handicap candidates :***

**All candidates who apply for admission shall be required to appear before the Medical Board constituted by DTU on the day of counselling. The decision of the Medical Board on the extent of disability and for eligibility for admission against PH category seats shall be final and binding.**

### **3.14 Schedule of Counseling for B.Tech. Admissions**

The candidates called on the basis of the All India Overall rank obtained in the AIEEE-2010 should present themselves for the counseling on the date and time as specified below. A list of the candidates will be displayed on the day of counseling. Only those candidates whose names are listed will be considered for counseling. No separate lists of selected candidates giving the branches etc. will be displayed.

**All reserved category candidates, are also eligible for counseling in the OPEN/General Category and can attend the counseling on the date and time specified below for open (All) category.**

**"Reservation :** Reservation in respect of SC/ST/OBC/PH shall be provided as per the policy of the Govt. of Delhi" and the same will be uploaded on the University Website : [www.dce.edu](http://www.dce.edu) soon after it is received by DTU.

**I Phase of Counselling**

**Venue: Convocation Hall, Civil Engineering Block, Delhi Technological University, Delhi.**

Date of Counseling	Session	Reporting Time	Region	Category Code	AIEEE-2010 All India Ranks (Overall)
7-7-2010 (Wednesday)	I	10:30 A.M.	Outside Delhi	Open (All)	1-2500
7-7-2010 (Wednesday)	II	02:00 P.M.	Outside Delhi	Open (All)	2501-5000 *
8-7-2010 (Thursday)	I	10:30 A.M.	Outside Delhi	OBC	1-20,000
8-7-2010 (Thursday)	II	02:00 P.M.	Outside Delhi	ST	1-150,000
9-7-2010 (Friday)	I	10:30 A.M.	Outside Delhi	SC	1 – 35,000
9-7-2010 (Friday)	II	02:00 P.M.	Outside Delhi	SC	35,001–75,000
10-7-2010 (Saturday)	I	10:30 A.M.	Delhi	Open (All)	1-1500
10-7-2010 (Saturday)	II	02:00 P.M.	Delhi	Open (All)	1501-3000
12-7-2010 (Monday)	I	10:30 A.M.	Delhi	Open (All)	3001-4500
12-7-2010 (Monday)	II	02:00 P.M.	Delhi	Open (All)	4501-6000
13-7-2010 (Tuesday)	I	10:30 A.M.	Delhi	Open (All)	6001-7500
13-7-2010 (Tuesday)	II	02:00 P.M.	Delhi	Open (All)	7501-9000
14-7-2010 (Wednesday)	I	10:30 A.M.	Delhi	Open (All)	9001-10,500
14-7-2010 (Wednesday)	II	02:00 P.M.	Delhi	Open (All)	10,501-12,000

15-7-2010 (Thursday)	I	10:30 A.M.	Delhi	Open (All)	12,001-13,500
15-7-2010 (Thursday)	II	02:00 P.M.	Delhi	Open (All)	13,501-15,000**
16-7-2010 (Friday)	I	10:30 A.M.	Delhi	SC	1-50,000
16-7-2010 (Friday)	II	02:00 P.M.	Delhi	SC	50,001-100,000
17-7-2010 (Saturday)	I	10:30 A.M.	Delhi	OBC	1-12,000
17-7-2010 (Saturday)	II	02:00 P.M.	Delhi	OBC	12001-25,000
19-7-2010 (Monday)	I	10:30 A.M.	Delhi	Kashmiri Migrant(KM)/ Foreign National (FN)	All eligible applicants
20-07-2010 (Tuesday)	I	10:30 A.M.	Delhi & Outside Delhi	CW (Sub Category)	All eligible applicants
21-7-2010 (Wednesday)	I	10:30 A.M.	Delhi & Outside Delhi	PH (Sub Category)	All eligible applicants

*\* This cut-off rank is for the I Phase of counseling for Outside Delhi Region. However, if vacancies still persist, applicants with rank beyond 5000 will be considered in the II phase of counselling.*

*\*\* This cut-off rank is for the I Phase of counseling for Delhi Region. However, if vacancies still persist, applicants with rank beyond 15,000 will be considered in the II phase of counselling*

**A separate date shall be announced for counselling of Delhi ST candidates after clearance of Delhi ST reservation policy from Govt. of NCT of Delhi.**

23-7-2010 (Friday)	List of admitted candidates will be displayed category wise indicating the branch allocation at 4:00 PM on DTU notice boards and website.
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02-8-2010 (Monday)	Vice Chancellor's Address to the new entrants to DTU in the Auditorium at 11.00 a.m. followed by registration and orientation.
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If vacancies still persist, candidates next in the merit list shall report for II & III phase of counselling as per schedule given below:

## II Phase of Counselling

Venue: Convocation Hall, Civil Engineering Block, Delhi Technological University, Delhi.

Date of Counselling	Session	Reporting Time	Region	Category Code	Ranks
16-08-2010 (Monday)	I	10:30 A.M.	Outside Delhi	Open (ALL)	All eligible applicants who had marked their attendance during I phase of counseling and could not get any seat. Also candidates with AIEEE 2010 All India Overall Rank <b>5001-12000</b>
16-08-2010 (Monday)	II	02:00 P.M.	Outside Delhi	OBC/SC/ST	All eligible applicants who had marked their attendance during I phase of counseling and could not get any seat. Also candidates with AIEEE 2010 All India Overall Rank <b>OBC 20,001-25,000</b> <b>SC 75,001-125,000</b> <b>ST All eligible candidates</b>
17-8-2010 (Tuesday)	I	10:30 A.M.	Delhi	OPEN (ALL)	All eligible applicants who had marked their attendance during I phase of counseling and could not get any seat.
17-8-2010 (Tuesday)	II	02:00 P.M.	Delhi	OPEN (ALL)	Candidates with AIEEE 2010 All India Overall Rank <b>15,001-20,000</b>
18-08-2010 (Wednesday)	I	10:30 A.M.	Delhi	PH/CW (Sub Category)	All eligible applicants who had marked their attendance during I phase of counseling and could not get any seat.

18-08-2010 (Wednesday)	II	02:00 P.M.	Delhi	SC/OBC	All eligible applicants who had marked their attendance during I phase of counseling and could not get any seat. Also, candidates with AIEEE 2010 All India Overall Rank <b>SC 100,001-135,000</b> <b>OBC 25,001-35,000</b>
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### III Phase of Counseling (Last Counseling)

Venue: Convocation Hall, Civil Engineering Block, Delhi Technological University, Delhi.

Date of Counselling	Session	Reporting Time	Region	Category Code	Ranks
30-08-2010 (Monday)	I	10:30 A.M.	Delhi	Open (ALL)	All eligible applicants
30-08-2010 (Monday)	II	02:00 P.M.	Delhi	OBC/SC	All eligible applicants
31-8-2010 (Tuesday)	I	10:30 A.M.	Outside Delhi	OPEN (ALL)	All eligible applicants
31-8-2010 (Tuesday)	II	02:00 P.M.	Delhi & Outside Delhi	PH & CW subcategory	All eligible applicants
31-8-2010 (Tuesday)	III	02:30 P.M.	Outside Delhi	OBC/SC/ST	All eligible applicants

*A candidate who refuses to take admission in the allotted branch at the time of counseling, will not be considered in next phases of counseling. Only admitted candidates will be considered for upgradation of branches.*

**Only one chance for counseling as notified in the Prospectus will be given to the candidates.**

**MERELY BY CALLING THE CANDIDATES FOR COUNSELLING UNDER CATEGORIES UPTO A SPECIFIED RANK DOES NOT GUARANTEE THEM ADMISSION UNDER ANY OF THE B.TECH. PROGRAM. THE CANDIDATES WILL BE CONSIDERED FOR ADMISSION ACCORDING TO MERIT IF THE VACANCIES STILL PERSIST.**

**No admission will be made after 31.08.2010**

### 3.15 Attendance

The attendance of all the students admitted is continuously monitored. **The names of those students who have not registered on 02.08.2010 or whose attendance is irregular during the period from 02.08.2010 to 13.08.2010 will be struck off from the rolls without any further reference/intimation.**

A student who has been duly admitted but has not registered or failed to attend the classes, may submit an application through his/her parent/guardian explaining the reasons. The Vice Chancellor may defer the cancellation of his/her seat if he is satisfied with the explanation.

### 3.16 Medical Fitness

All fresh admission will be provisional and shall be confirmed only after the candidates have been examined medically according to the norms laid down by the University from time to time.

Students applying for admission to the Institute should, however note that various employing agencies (public Sector as well as Private Sector and Govt. Deptt.) have prescribed their own standards of medical fitness for engineering graduates seeking employment in their organization. Those who contemplate to seek employment in those organizations after their graduation should verify for themselves if they satisfy the standards of medical fitness before they decide to join the University so as to avoid disappointment later. It should be clearly understood, however, that the University takes no responsibility, whatsoever, in this regard.



**ACADEMIC CALENDAR FOR  
M.TECH. / MBA 2010-2011****ODD SEMESTER**

02.08.2010 (Mon) : Registration of I semester students; teaching starts

***MID Term Examination: September 13-18, 2010 (Monday-Saturday)***

01.10.2010 (Fri) to : Teaching break for Commonwealth Games

17.10.2010 (Sun) (Therefore, teaching classes shall be held on every Saturday excluding the break period).

18.10.2010 (Mon) : Teaching resumes

13.11.2010 (Sat) : Teaching ends

16.11.2010 (Tue) : Display of shortage of attendance / sessional marks

***END Sem Theory Examination : 17.11.2010 (Wednesday) onwards***

01.12.2010 (Wed) : Winter break

**EVEN SEMESTER**

10.01.2011 (Mon) : Registration of II semester students : Teaching starts for II semester

***MID Term Examination: March 14-19, 2011 (Monday-Saturday)***

07.05.2011 (Sat) : Teaching ends for II semester

09.05.2011 (Mon) : Display of shortage of attendance / sessional marks

***END Sem Theory Examination : 16.05.2011 (Monday) onwards***

01.06.2011 (Wed) : Summer Vacation

01.08.2011 (Mon) : DTU Re-opens

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

### 4.1 The University admits the students to the following M.Tech. Programs :

Sl. No.	Departments/Programs	Number of Seats										
		FULL TIME						PART TIME				
		A	B	C	D	E	F	A	B	C	D	E
<b>1.</b>	<b>Civil Engineering</b>											
	(a) Master of Tech. in Civil Engg. (Structural Engineering)	18	9	2	1	1	5	5	3	1	0	1
	(b) Master of Tech. in Civil Engg. (Environmental Engineering)	18	10	2	1	0	5	5	4	1	0	0
	(c) Master of Tech. in Civil Engg. (Hydraulic & Flood Engineering)	18	10	2	1	0	5	5	4	0	1	0
	(d) Master of Tech. in Geotechnical Engineering	18	10	2	1	5	0	0	0	0	0	0
<b>2.</b>	<b>Electronics &amp; Communication Engg.</b>											
	(a) Master of Tech. in Signal Processing & Digital Design	18	9	2	1	1	5	5	4	1	0	0
	(b) Master of Tech. in Microwave & Optical Communication	18	9	2	1	1	5	0	0	0	0	0
	(c) Master of Tech. in VLSI Design and Embedded System	18	9	2	1	1	5	0	0	0	0	0
<b>3.</b>	<b>Electrical Engineering</b>											
	(a) Master of Tech. in Electrical Engg. (Control & Instrumentation)	18	9	2	1	1	5	5	4	1	-	-
	(b) Master of Tech. in Electrical Engg. (Power System)	18	9	2	1	1	5	0	0	0	0	0
<b>4.</b>	<b>Mechanical Engineering</b>											
	(a) Master of Tech. in Mech. Engg. (Thermal Engineering)	18	9	2	1	1	5	5	3	1	-	1
	(b) Master of Tech. in Mech. Engg. (Production Engineering)	18	10	2	1	0	5	5	4	0	1	0
<b>5.</b>	<b>Information Technology</b>											
	Master of Tech. in Information System	18	10	2	1	0	5	0	0	0	0	0
<b>6.</b>	<b>Applied Chemistry</b>											
	Master of Tech. (Polymer Technology)	18	9	2	1	1	5	5	4	1	-	-
<b>7.</b>	<b>Computer Engineering</b>											
	(a) Master of Tech. in (Computer Technology & Application)	18	9	2	1	1	5	5	4	1	-	-
	(b) Master of Tech. in Software Engg.	18	9	2	1	1	5	0	0	0	0	0

<b>8.</b>	<b>Applied Physics</b>											
	M.Tech. in Nano Science & Technology	18	9	2	1	1	5	0	0	0	0	0
<b>9.</b>	<b>M. Tech. in Bioinformatics</b>	18	9	2	1	1	5	0	0	0	0	0
	<b>Grand Total</b>	<b>306</b>	<b>158</b>	<b>34</b>	<b>17</b>	<b>12</b>	<b>85</b>	<b>45</b>	<b>34</b>	<b>7</b>	<b>1</b>	<b>2</b>

A = Total Seats ; B = General; C = SC; D = ST; E = PH and F = Sponsored

**NOTE I :** Full Time Programs are of 4 semester duration. Part time Programs are of 6 semester duration.

II : A few seats are not exceeding 50% of the full time total intake of each department over and above the normal intake may be provided to candidates belonging to friendly and developing countries with the approval of Government of India and full time candidate sponsored by Government/Public undertaking who fulfill the eligibility conditions of 4.2.1 (i) 4.2.2 (i) or 4.2.3 (i) or 4.2.4 (i) or 4.2.5 (i), along with one year meaningful experience before admission.

## 4.2 Educational Qualifications

### 4.2 (A) FULL TIME PROGRAM

#### 4.2.1 M.Tech. (CE/EE/EC/ME/PE/IT)

i. A candidate must have passed the Bachelor's Degree Examination in the appropriate branch of engineering (Electrical / Mechanical / Electronics & Communication / Civil Production / 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).

#### 4.2.2 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).

#### 4.2.3 M.Tech. (Computer Technology and Applications)

- i. The candidate should have passed B.E./B.Tech. (or its equivalent examination as specified in (1.2.1) examination in any branch of Engineering or M.Sc. in Mathematics/Operational Research/Statistics/Computer Science (with Physics at the B.Sc. level) or M.Sc. in Physics / Electronics Science (with 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)

#### 4.2.4 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).

#### 4.2.5 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.

#### 4.2.6 M.Tech. (VLSI Design and Embedded System) / Information System

- 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 program must have qualified in the GATE (Graduate Aptitude Test in Engineering) in EC for VLSI Course and Computer Engineering / EC / IT for the Information System Course.

#### 4.2.7 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).

#### 4.2.8 M.Tech. (Software Engineering)

- i. The candidate should have passed BE/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 t 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 M.Tech. Program must have a valid GATE (Graduate Aptitude test in Engineering) score.

#### M.Tech. (Power System)

- i. A candidate must have passed the BE/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 a valid GATE (Graduate Aptitude test in Engineering) score.

### 4.3 The Part-Time 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 Saturday / 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 4.2.1 (i) or 4.2.2 (i) or 4.2.3 (i) or 4.2.4 (i) or 4.2.5 (i) and also the following conditions :

- i. Should be working in an Engineering Institution in the National Capital Region, Delhi and must had 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.

### 4.4 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 4.2.1 (i) or 4.2.2 (i) or 4.2.3 (i) or 4.2.4 (i) 4.2.5 (i) and must have meaningful experience of one year before admission.

**NOTE :** Full-time sponsored candidates must submit a sponsorship certificate (format enclosed).

### 4.5 Age Requirement

A candidate should have attained the age of 21 years before the first day of October 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.

## 4.6 Reservation

Reservation policy for the year 2010-11 would be notified on the website [www.dce.edu](http://www.dce.edu).

- 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 Defense Research & Development Organization sponsored candidate to each Program duly selected through DRDO selection interviews, which are participated in by the respective Heads of Departments, will be accommodated in the list of candidates under sponsored category.

## 4.7 Selection Procedure

All the applications received will be short listed on the basis of performance in GATE and qualifying examination for Full-time and Part-time Programs respectively. The short listed candidates will be called for interviews as per the following schedule.

Interview for part time candidates	10.00 a.m. Friday, 02.07.2010
Interview for full time candidates	10.00 a.m. Saturday, 03.07.2010

**List of eligible candidate for interview & test shall be made available on the University website [www.dce.edu](http://www.dce.edu) on 28.06.2010. No separate call letters will be dispatched.**

### **NOTE:**

- i. Candidates are advised to make railway reservation etc. before hand.
- ii. If any candidate fails to appear in the interview on the scheduled date, he/she will not be considered for admission.

**4.7.1** All the applicants (both the full-time and part-time) 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.

**4.7.2** 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.

**4.7.3** All the eligible candidates (Part Time & Sponsored) are required to appear in a written test which will be conducted on 02.07.2010 from 10 A.M. to 11 A.M. The candidates will be interviewed on the same day at 2 P.M.

**4.7.4** The merit list of candidates for admission to all the Programs will be prepared by apportioning the following weightage to their performance in GATE (for Full Time) or in qualifying examination (for Part Time) and the written test (for Part Time) and Viva Voce as mentioned below:

	Full Time Candidates	Part Time / Sponsored Candidates
Qualifying Examination aggregate	-	50
Written Test	-	30
Interview / Viva Voce	20	20
Weightage for GATE Score	80	-
<b>Total</b>	<b>100</b>	<b>100</b>

4.7.5 a) The list of selected candidates along with the wait-list will be put up on the notice board of the concerned department on 05.07.2010 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.

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



## 5.0 ADMISSION TO MBA PROGRAM

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

Sl. No.	MBA Program	Intake
1	MBA (Knowledge and Technology Management / Supply Chain Management / Information Technology Management )	60

**NOTE :** The admission schedule for MBA Admissions is generally declared after the conduct of the CAT exam i.e. in the month of January.

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

or

1<sup>st</sup> 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.

The admission to full time MBA program is on the basis of CAT Score, group discussion & interview.

**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 October 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 2010-11 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 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.

## 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.
- 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).

## 6.0 ADMISSION TO Ph.D. PROGRAM

The university admits Full Time scholars for a duration of 4 years. The areas in which the scholarships are available under the various departments are given below :

- a. **Electrical / Electronics & Communication / Computer Engineering Departments** : Electrical Machines and Drives, Power Systems, Control Systems, Power Electronics, Microwave Communication, DSP Micro Electronics Devices, VLSI / Fault-Tolerant Computing.
- b. **Mechanical Engineering** : Thermal Engineering, I C Engines, Turbo-machinery, Stress Analysis, Fluid Mechanics, Metal Forming and Foundry Technology, Industrial Engg., Welding Technology, CNC & Robotics, Technology Management, Flexible Manufacturing and Automation.
- c. **Civil Engineering** : Structural Engg., Structural Dynamics, Earthquake Engg. Water Resources Engg., Environmental Engg., Experimental Mechanics.
- d. **Applied Physics** : Material Science & Superconductivity, Thin-films, Fiber optics and Optical communication and Quantum electronics, Carbon Nano Tube, Photonic Crystal.
- e. **Applied Chemistry** : Polymer Science & Technology, Material Science and Polymer Composites, Ion-exchange, Electro Chemistry, Synthetic Organic Chemistry.
- f. **Applied Mathematics** : Graph Theory, Information Theory, Numerical Simulation, Relativistic Cosmological Models, Algebra, Approximation Theory.
- g. **Humanities** : Applied Economics, Engineering Economics, Labour Market Analysis, Techno-Economics Impact of Education.
- h. **Management** : Technology Management, Knowledge & Innovation Management, IPR Management, Technology Transfer Management, Supply Chain Management, Management of Information System, Total Quality Management, Productivity Management, Enterprise Management

### 6.1 Educational Qualifications

The minimum eligibility conditions for the admission to Ph.D. Program in DTU are as follows :

- i. **For engineering Disciplines** : Degree in Master of Engineering / Master of Technology (M.E./ M.Tech.) in the appropriate, branch from a recognised University / Institution, Minimum 60% marks.
- ii. **For Applied Sciences** : Degree in Master of Science (M.Sc.) in the appropriate branch from a recognised University / Institution, minimum 60% marks.

## 6.2 Procedure of Obtaining Application Form

Prospectus along with the application form can be obtained from Delhi Technological University, Bawana Road, Delhi-110042 either in person or on submission of a Demand Draft/Pay Order of Rs. 1000/- at the DTU Reception Centre or by post on remission Rs. 1100/- by a Demand Draft / Pay Order, drawn in favour of the Registrar, DTU, Delhi and payable at Delhi. No other mode of payment is acceptable, the written request by post must indicate the following;

- i. Applicant's name and the address to which the application form is to be sent.
- ii. Details of Payment
- iii. Programs for which the application form is sought [Ph.D.]
- iv. Three slips of paper size 10 cm x 5 cm containing the address to which the application form is to be sent, candidates asking for application form by post must write on the top of the envelope "Request for Application Form for Ph.D. Program".

## 6.3 Selection Procedure

The eligible candidates will be called for personal interview in Delhi Technological University for which no TA/DA will be admissible. The selection for full time Ph.D. Scholars will be made by the University Research Council comprising of the Deans and all HODs chaired by the nominee of the Vice-Chancellor. The selected candidates will be required to pay the fees etc. after getting intimation of their selection.

Candidates are requested to contact teachers of DTU or Heads of concerned departments before selecting their area of research work for Ph.D. Degree. The candidates may see DTU Website : [www.dce.edu](http://www.dce.edu) before submitting their applications.



## 7.0 FEE STRUCTURE

### Fee from Indian Students

S. No.	Item of Fee	B.Tech. (Rs.)	M.Tech. (Rs.)	MBA (Rs.)	Ph.D. (Rs.)
1.	Tuition Fee	18,000/-	20,500/-	30,000/-	20,500/-
2.	Other Fees (per annum) (Co-curricular activities, Training & Placement, Extra curricular activities, Annual Gathering, Students Welfare, Institutional Development, Misc. Expenditure on Unspecified items)	4,500/-	4,500/-	5,000/-	4,500/-
	<b>Total</b>	<b>22,500/-</b>	<b>25,000/-</b>	<b>35,000/-</b>	<b>25,000/-</b>
3.	Security Deposit (refundable) (Payable only at the time of Admission)	5,000/-	5,000/-	5,000/-	5,000/-
4.	University Fee				
i)	Enrollment Fee payable only at the time of admission	250/-	150/-	200/-	200/-
ii)	Development Fee (per annum)	300/-	300/-	300/-	300/-
iii)	Examination Fee & other fee	2,000/-	2,000/-	2,000/-	2,000/-
	<b>Grand Total (Fee payable at the time of admission) in Demand Draft *</b>	<b>30,050/-*</b>	<b>32,450/-*</b>	<b>42,500/-*</b>	<b>30,500/-*</b>

\* Fee is likely to be revised from the 2010-11 session.

All students may have to pay Rs. 1000/- only against life membership of DTU Alumni Association

The fees are to be paid by Demand Draft / Pay Order drawn in favour of The Registrar, Delhi Technological University, Delhi payable at Delhi. No Part payment will be accepted. No other mode of payment is acceptable.

\* **Fee for foreign students** {UG US\$ 2900 + Rs. 4500 (at the time of admission) + University Fee Rs. 2500/-}. \* Fee is likely to be revised from the 2010-11 session.

### Additional Payment by Foreign Students

University registration Fee and special fee from every Foreign student, seeking admission to a program of study in DCE will be charged at the rates given below:

Registration Fee (Payable to the Delhi Technological University) likely to be revised from 2010-2011 session.

1. Seeking admission to Graduate Programs # US \$ 300
2. Seeking admission to PG Programs \*US \$ 400
3. Seeking admission to a Program \* leading to research work US \$ 500
- 4. Special Fee, per student per year US \$ 100**

# Applicable to MHRD sponsored candidates. No direct admission is offered at the UG Level by the Institution.

\* NOC from MHRD is must. Candidates can directly apply to the university for registration

**All Deposits are payable in full on 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.**

### Refund Rule

The candidates who withdrew admission during 07.07.2010 to 31.08.2010 may take the refund of Admission Fee from the Chairman, B.Tech. Admission Committee after paying Rs. 1000/- in cash as processing fee provided the seat vacated by then get filled. However, those who fail to take refund from the Chairman, B.Tech. Admission Committee upto 31.08.2010, refund of fee to them will be made only after December 31, 2010 once the **admission formalities have been completely frozen.**

**For refund of Security Deposit,** the student should apply through the Registrar of the University enclosing therewith Original Fee Receipt, Admission Slip failing which no refund will be admissible. The students shall apply for security on production of Original Fee Receipt to the respective University to which the fee has been deposited at the time of admission. Those applying for **withdrawal of admission after 31.08.2010** only the refundable security i.e. Rs. 5000/- will be refunded.



## INFRASTRUCTURE & FACILITY

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



**KALPANA CHAWLA HOSTEL**



**H J B HOSTEL**

## 8.0 INFRASTRUCTURE & FACILITY

### 8.1 Library

Libraries are backbone of any civilized society and heart of any academic institution. Thus the library at Delhi Technological University also acquires a prominent place among the students and faculty. Situated in a three storied 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 well equipped conference hall with the seating capacity of 150 for academic discussions and reading rooms for 300 users. The Library has a very rich collection of relevant books and journals. The total collection of the library is more than 122984 in main library, 49553 in General Book bank, 9057 in SCP Book Bank and 2805 received through donation. During 2009-2010, 8184 books were added in the library.

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. 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.

#### Main Library

This section has a rich collection of more than 122984 books having 65 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 49553 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



Central Library

**the knowledge  
base of the  
library is updated  
regularly by way  
of adding new text  
books, reference  
books, reports,  
proceedings,  
abstracts & indexes,  
encyclopedias,  
Journals &  
database on  
CD-ROM.**

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 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.

### Additional 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 Journals

A large number of foreign & Indian journals are being subscribed on-line to facilitate the on going research activities & to expand the areas of future research activities. The online Journals are being subscribed including IEL, ASME, ASCE, Science Direct and Springer Link, Emerald Xtra ASTM. Approximately 6000 e-journals on various disciplines are accessible to the students & faculty.

### 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.

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

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

### 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.dce.edu/library/](http://www.dce.edu/library/) 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 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 are subsequently made accessible through library home page.

### **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.

### **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. M.E./M.Tech. Dissertation
2. Ph.D. Thesis
3. Research Paper
4. News on the college
5. Prospectus
6. Annual Reports etc.
7. Paper of Examination

### **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 organises 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 the technology literature and the facilities available in the library. With the help of DTU 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.

## 8.2 Computer Centre

DTU is having a well equipped centralized computer centre to cater the high profile students and faculty in the college. 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 centre possesses HP ML370 & 570 servers alongwith four other servers and over 150 HP, Dell, Compaq & latest computer systems. In addition the centre has 4 SUN CAD workstations meant for use by UG/PG/PhD students for their projects and research work. The center is fully networked through high- end intelligent CISCO switch, and possesses round the clock 10 Mbps leased line Internet Connection for the Wi-Fi connectivity for the academic, administrative and hostel blocks of the campus, with internet facilities on all the nodes. It is also having the latest versions of compilers, scientific, technical and engineering software, training kits etc. for the students of different branches of engineering.



Computer Centre

**HP ML370 & 570  
servers and over  
700 P-IV  
Computers  
including 200 in  
Computer Centre.**

Computer programming is an integral part of B.E./M.E./M.Sc./Ph.D. programs. Besides, computer centre is also used for conduct of short term training programs for staff and faculty.

Further computer centre houses the Microsoft MSDN Academy & Campus Licence Agreement with Microsoft Corporation for the use of all MS Software for the faculty and students.

### **DTU Campus wide Network Present Setup**

All the laboratories & faculty rooms are connected to the Computer Centre through wired / Wi-Fi Network to access the services in its computer centre DTU has specialised software laboratories in all the departments of the University, predominantly COE, IT, ECE, EE and Maths departments.

The academic buildings, library, administrative blocks and all the hostels of DTU are interconnected using wired/Wi-Fi Network. Each of the departments need to have their own LANs to be later interconnected using the proposed Optical Fiber Cable Network (OFCN). COE department has its laboratories connected with its LAN as of now and Admin Block is partially networked.

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

**The main objectives of computer centre are:**

- Extending the LANs of the departments by a canopy based wireless system so that all the buildings including academic, administrative, residential, hostel and creating hot zones throughout these areas.
- Ensuring that all new buildings are brought under the network. Extending the network to the student hostels and faculty residences at an affordable cost so that the already existing PCs and LANs in these areas can also be connected to the network.
- Widening the bandwidth to satisfy its ever increasing academic and research demands from the present 10 Mbps to 30 Mbps.
- Deploying IT based services for the workflow and academic activities and ensure E-Governance.

**The Canopy System with Tropos Routers Planned for DTU:**

It is proposed to have a mesh topology in the Canopy system with tropos routers for DTU. In urban corridors, large buildings can block the radio signal, while in suburban or rural settings, hills, trees, and other obstructions have a similar effect. Mesh topology creates wireless networks that use multi-hop paths to transmit IP packets between the initiation and termination points. The ability to use different paths between any two points, based on the detected conditions (interference, power outage, obstructions, etc.) allows path redundancy that, in combination with relaxed LOS requirements, results in a very flexible and reliable system.



### 8.3 Hostels

The Hostel accommodation is limited and will be allotted to full-time students only. Application for hostel seats should be submitted in the prescribed form. No ex-student shall be allotted any hostel accommodation.



C. V. Raman Hostel

#### Boys Hostels (7)

#### Seats

1. Bhaskaracharya Hostel	180
2. Sir C. V. Raman Hostel	180
3. Sir J.C. Bose Hostel	180
4. Varahmihir Hostel	180
5. Sir Visversvaraya Hostel	180
6. H. J. Bhabha Hostel	90
7. Sister Nivedita Hostel	70

#### Girls Hostels (3)

#### Seats

8. Kalpana Chawla Hostel	30
--------------------------	----



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:

- i. The first preference for Hostel Accommodation for the 1st semester B.Tech. student will be given to the out side Delhi Category. Those from out side 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. Those within twenty (20) km radius will not be provided Hostel Accommodation and the others will get Hostel Accommodation as per the distance in between the University and their Residence, subject to availability of vacant seats in the Hostel.
- 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.

Hostel Fee	Amount in Rs.
Hostel Room Rent (Per Semester)	2000/-
Electricity & Water Charges (Per Semester)	500/-
Hostel / Mess Establishment, Services & Maintenance Fee (Per Semester)	500/-
Medical Fees (One Time)	100/-
Mess Advance (Advance for 2 months)	2000/-
Mess Security Deposit (Refundable)	2000/-
Hostel Security Deposit (Refundable)	2000/-
Furniture Security (Refundable)	1000/-
<b>GRAND TOTAL</b>	<b>10,100/-</b>

**NOTE :**

1. The Hostel Fee can be paid by a DD in favour of 'Hostel Mess, Establishment Services & Maintenance fee A/c No. 10704860565', Hostel Fee A/c 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 one week of the last examination each year. The rooms will be re-allocated at the beginning of the academic session.
5. Students who are required to stay in the Hostel beyond the first or second term, for genuine reason, under special circumstances will be allowed on payment of @ Rs. 1000/- per month (Rent plus elect/water charges).
6. At any time during the Program, a student may be required to pay additional deposits or fees to cover increased cost.
7. For all enquiries regarding Hostel accommodation, students should contact the Hostel office located in Transit hostel in the University.



## 8.4 Sports



DTU Sports Ground

**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,**

The students of Delhi Technological University are provided with excellent facilities and encouraged to take part in the tournaments held in and around N.C.R. Delhi, , particulars, 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 (Formerly Delhi College of Engineering) has organized several tournaments during 2009-2010 academic sessions.

## 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



DTU Health Centre

The DTU is having a full-fledged 20 bed hospital block. Services of five medical practitioners are available to the students throughout day and evening. The University invites specialized medical practitioners for ENT, Eye, Dental care, Nutrition experts. University is having tie up with several hospitals for emergency. A large number of hospitals are in the vicinity of the University; some of them are Bhim Rao Ambedkar Hospital, Saroj Hospital, Mahavir Hospital, Jaipur Golden Hospital, Akansh Nursing home etc.

## CO-CURRICULAR ACTIVITIES



On the 26th of January, Republic day was celebrated with great enthusiasm in our university. The ceremony started with flag hoisting by Professor PB Sharma and a large number of university teachers and students observed the moment with great pride. A cultural event was performed by the students later. It included Indian music and folk dance performances. The event was very colourful and showcased how our university highly respects the spirit of our country and its age old traditions. Truly, nothing can dampen the spirits of our countrymen!



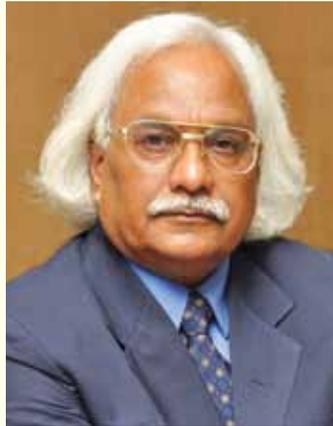
### Electric Shock

Well first of all don't get scared by the title as everyone is fine in our campus. Here we are talking about the electric car. Yes we think we all would agree that the electric car in DTU did give us a "shocking pleasant surprise" when we saw it on the DTU ring road. What to say about the "DTU 0001", we all were proud of our college when we noticed the pleasant vehicle. Although walking in the campus kept us fit but still the way looks like miles during the burning

summer. But no worries now as our own cool e-car is here. To describe the technical part let me inform you that it is electrically powered with an eco friendly nature. With DTU moving towards a green future the vehicle fulfils all the norms and standards. It has a seating capacity of about 6-8 people. To describe the ride first of all I must say that I was really privileged to enjoy a ride in it as I am one of the few lucky "boys" to do that (as girls are more welcomed in the vehicle)(Prince). The ride in the vehicle is very smooth that's why we have coined it as "smoothie" . With our campus as big as 163.9 acre from gate to departments, department to lab and hostels located very far from the academic blocks, this vehicle is a big aid to come on time in classes (as if this was the reason for us not coming on time). One big benefit which some of us have enjoyed is that we have explored a lot many new areas of "the big campus". But certainly with the college fest coming this month and so many events to look forward to, smoothie will prove to be boon for DTU students as well as the outsiders. With many more smoothies set to be imported in the campus the journey will surely be more pleasurable than ever for sure.



## UNIVERSITY ADMINISTRATION



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



**Sh. U. K. Worah**  
Registrar



**Sh. O. P. Shukla**  
OSD



**A. K. Sharma**  
Sr. Asstt. Registrar  
Finance & Accounts



**Dr. K. Singh**  
Jt. Registrar-Admin



**Dr. A. K. Srivastava**  
Security Officer



**S. K. Khanna**  
Statistical Officer



**R. K. Shukla**  
Stores Officer



**V. Jeganathan Arulmoni**  
Officer Incharge-Hostels



**Ranganath M. Singari**  
Project Officer

## DEANS OF THE UNIVERSITY



**Prof. G. L. Verma**  
Dean, Academic



**Prof. B. D. Pathak**  
Dean, Continuing Education



**Prof. R. K. Sinha**  
Dean, Industrial R & D



**Prof. Naveen Kumar**  
Dean, Student Welfare



**Dr. R. C. Sharma**  
Dean, International Collaboration

## FACULTY

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

### PROFESSORS



**Asok  
Bhattacharyya**  
(Digital Electronics)

M.Tech. DIRE,  
Ph.D., LMISTE (India)  
SR. M.I.E.E.E. (India)



**Parmod Kumar**  
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Control)

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SR. M.I.E.E.E. (India)



**Asok De**  
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Microwave)

B.E. Tel. E. M.E.  
Tel. E.,  
Ph.D., F.I.E., F.I.E.T.E.



**Madhusudan Singh**  
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B.Sc. (Engg.) M.E.  
(Hons), Ph.D., MIE (I),  
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**Controller of  
Examination**



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B.Sc., (Engg.) M.Sc.  
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**OIC (B.Tech.)**



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**HOD (EE)**



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Ph.D.

## ASSISTANT PROFESSORS



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



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Computing)  
B.E., M.Tech.,  
MIEEE

HOD (IT)



**Daya Gupta**  
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IITD, Ph.D., MIEEE

HOD (COE)



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MIEEE (USA)



**Murlidhar Kulkarni**  
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M.E. (Elect. & Comm.)  
LMIETE  
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**Neeta Pandey**  
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## LECTURERS / LECT. (SR. SCALE) / LECT. (SELECTION GRADE)



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LMISTE, LMINVEST

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LMHW



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MISHMT, MIE



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**Vishwa Kamal**  
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Gold Medal

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**Ranganath M. Singari**  
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LMISTE, LMISME,  
FMNAFE, LMCS



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M.E.



**Naushad Ahmad  
Ansari**  
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M.E.



**Roop Lal Meena**  
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MSAE



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M.Tech.



**Krovvidi Srinivas**  
(Design & Production)  
  
Design &  
Production



**P. K. Jain**  
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