MANUAL 1

Particulars of organization, functions and duties

ESTABLISHMENT / BACKGROUND

Delhi Technological University, (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 Training & Technical Education , 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.

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.

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."

The University will stimulate both the hearts and minds of scholars, make them capable of contributing to the welfare of society at large; train them to adapt themselves to the changing needs of the economy; and educate them for cultural leadership to ensure peace, harmony and prosperity for all.

MISSION

DTU be a world class centre for education, research and innovations in Science & Technology management arena, focus on cutting edge technologies for education delivery and foster an environment of seamlessness between science and management. The University produces well-rounded, socially responsible, up to date, scientifically tempered, design oriented engineers and management scientists capable of lifelong learning. DTU strives hard to provide a market oriented professional education to the students. DTU emerges as a centre for attracting the best minds both nationally and internationally, from academia and industry. Produce well-rounded, socially responsible, up to date, scientifically tempered, design oriented engineer and scientists/ managers capable of lifelong learning.

AIMS & OBJECTIVES

The objectives of this University which flows from the spirit of the Act are outlined as below:

(i) To nourish, nurture and promote holistic higher education with focus on professional education; with a view to achieve symbiosis between intellectual pursuits and societal needs.

(ii) To provide for instructions in emerging areas of higher education and to make provisions for research and advancement as well as dissemination of knowledge and skills.

(iii) To promote self-financing colleges and institutions in the emerging areas of professional education and maintain quality through delegation of responsibility and ensuring accountability. University to act as a bench mark for these institutions.

(iv) To establish collaboration with industry, R&D centres, institutions of higher learning in India and abroad, for teaching, research, technology transfer and allied activities.

(v) To organize and undertake extramural studies and extension services.

(vi) To harness the potential of Information technology for effective education and to meet the societal needs.

(vii) To inculcate moral & spiritual values, and social sensibilities amongst the students.

QUALITY STANDARDS & CONTINUOUS ASSESSMENT:

The University in its pursuit for excellence has maintained very high standards in all its institutions, in terms of teaching, research, faculty, infrastructure and other related determinants of quality. The departments conduct the programme, strictly adhering to the norms and standards set by the University. To inculcate in the students the habit of a well structured, regular and systematic study, a system of continuous evaluation based on internal assessments and end-term examinations has been adopted.

DEPARTMENTS OF UNIVERSITY:-

The University was established to promote studies in the emerging areas of higher education like department of Electronics & Communication Engineering, Information Technology, Computer Engineering and Environment Management, Bio-Tech., Applied Chemistry etc. In order to achieve this aim, the University has some

Departments in the University Campus which have been established for teaching and research in their respective areas:-

Department Of Bio-Technology

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

Currently the department has 8 faculty members about 80 undergraduate students and 17 postgraduate students, and associated staff, Research interests of the department are Bioprocess technology, Enzyme technology, Plant Biotechnology, Bioinformatics, Biomechanics, 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 (2007) and National Symposium on Biotechnology (NaSBi-2010) in which distinguished speakers from CSIR, DST, ICGEB, IIT, AIIMS, IGIB, JNU and renowned companies like Monsanto and Biocon delivered plenary lectures.

The Department has started Annual Departmental Magazine, ALLELE, and invites recent achievement and articles for the same.

The students of the department organize a technical festival KARYON every year. They organize several technical, biotechnology and management related events on national level.

Objectives 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.

Facilities at Department:-

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

Department Of Civil & Environmental Engineering

Department of Civil Engineering was started in 1955 in Delhi College of 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, Structural Engineering, municipal and sanitary services, surveying and mapping, and hydraulics & water resources. The department offers the following programs.

i) B.Tech in Civil Engineering (Intake – 70)
ii) B.Tech in Environmental Engineering (Intake - 30)
iii) M Tech in Civil (Structural) Engineering (Intake – 18 (Full time), Part time - 05)
iv) M Tech in Civil Engineering (Environmental Engineering) - (Intake – 18 (Full time), Part time - 05)
v) M Tech in Civil Engineering (Hydraulic & Flood Engineering)- (Intake – 18 (Full time), Part time - 05)
vi) M Tech in Geo technical Engineering - (Intake – 18 (Full time)
vii) Ph.D. in all areas of Civil & Environmental Engineering.

Department Of Computer Engineering

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

The Department of Computer Engineering, established in 1989 has grown significantly in the last twenty one years. The Department of Computer Engineering runs B.Tech in Computer Engineering and B.Tech in Software Engineering. Presently we have intake of 90 in computer engineering and 60 in software engineering. In last decade, Computer Engineering Department has developed state-of-art laboratories in the various fields of computer engineering-Computer Architecture Lab, Network Lab, Web Designing Lab, Image Processing and Multimedia Lab, Database Management and Data Mining Lab, Computation and Programming Lab, Operating System Lab, Artificial Intelligence Lab, Software Design Lab, Software Testing Lab. These labs are equipped with latest configuration PCs and are completely networked with latest software.

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

The department has been offering M.E. degree level programme in Computer Technology and Applications since 1996. The department started M.Tech in Software Engineering in 2009 and the M.E. in Computer Technology and Applications has been renamed as M.Tech in Computer Science and Engineering. The curriculum focuses on the future needs of software industry in the areas of Design of CASE Tools, Development of Software Testing Techniques and Tools, Design of Quality Software, Machine Learning Techniques and Principles, Multimedia Technologies, Swam intelligence etc. The students are doing research work and publishing numerous papers in National/International conferences and journals in the latest areas such as Search Engine, Semantic Web, Ontology, Information System security, Requirements Engineering, Security Engineering, Software Quality and metrics, Data Mining, Mobile Technologies, IP Verification etc. as a part of their minor and major project.

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

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

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

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

The department takes immense interest in conducting professional activities such as organizing workshops, seminars and expert lectures to meet the challenges in the IT industry.

Our students are highly sought after by the software industry and many of our graduates and post graduates are holding top positions in IT industry all over the globe.

The Department of Electrical Engineering

The Department of Electrical Engineering has significantly grown during last 70 years since 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 students in Electrical Engineering and 60 in Electrical & Electronics Engineering, 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 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. The Department offers B.Tech Part time Evening Programme to the professional holding diploma in Electrical Engineering. The department also offers:

i) B Tech in Electrical Engg. – (Intake – 90)
ii) B.Tech in Electrical & Electronics Engg.– (Intake – 60)
iii) M.Tech in Power System (Intake – 18)
iv) M.Tech in Control & Instrumentation-(intake-18)
v) B.Tech Electrical Engg. (Evening Program)- (Intake – 30)
vi) Ph.D in the area of Power System, FACTS Power quality, Electrical Measurement.

The department has 29 Faculty members.

Department Of Electronics And 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. Throughout the world, it has become essential to have more efficient communication network with the latest electronic devices and circuits. The department offers:

i) B Tech in Electronics and Communication Engineering – (Intake – 120)
ii) M Tech in Signal Processing & Digital Design – [Intake – 18 (FT), 05 (PT)]
iii) M.Tech in Microwave & Optical Communication – (Intake – 18)
iv) M Tech in VLSI Design and Embedded System - Intake – 18 (FT)
v) B.Tech(Evening) in Electronics and Communication Engineering - (Intake – 37)

Department Of Information Technology

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

The Delhi Technological University (formerly Delhi College of Engineering), offers an undergraduate B.Tech. course in Information Technology with an intake of 60 students every year. Also, to meet the growing demands of present day technologies, DTU has started post graduate studies in Information Systems from the year 2009-2010, with an annual intake of 18 students. Designed in a way so as to provide the students with fundamental concepts and tools related to the field, the B.Tech (Information Technology) emphasizes on all basic subjects such as operating systems, computer architecture and design, software development, networking, multimedia and graphics, analog and digital communication and computer communications. Specialized knowledge on analysis and design of information system, information security, mobile communication, soft computing, artificial intelligence, digital signal processing, computer vision and expert systems, web engineering is also imparted, along with various electives related to upcoming I.T. fields. Further, large number of publications in the international conferences by the under-graduate and post-graduate students are outcome of the research culture developed in the department.

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

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

Keeping in mind our constant urge to grow and keep abreast with modern technology and ever growing concerns of the society. Department has recently conducted workshop on "Intellectual Property Rights (IPR) meets Information Technology" where the academia-students and faculty alike, industry, national organizations such as FICCI and practicing IP attorneys were brought under one roof to initiate a very pertinent dialog-pertinent to all stakeholders and to the nation at large.

The department also has a project by the name of "Unmanned Aircraft System in an autonomous Vehicle development", which is carried out by the multidisciplinary students of DTU in collaboration with LOCKHEED MARTIN, a U.S. company.

The department provides well-equipped and well-connected state of the art laboratories in the areas of RF engineering and Web engineering, Computer Networking, Advance Signal Processing, Information Security etc. apart from various already existing laboratories. Department of IT is staring a new laboratory named as "Biometric lab". Biometrics deals with physiological and behavioral data of human beings (or living species in broader sense), which is one of the most authentic data. It plays an important role in information security and makes thrust area for research. The field of this lab will be largely devoted to study and develop technologies for identification of individuals using biological traits, such as those based on retinal or iris scanning, fingerprints, face recognition, voice recognition etc.
Future plans for advancement and expansion of the research in the areas of information security, computer networks, optical communication, knowledge discovery in databases and other IT related fields shall be undertaken.

Department Of Mechanical 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 36 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 Departments 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.

Department Of Applied Chemistry and Polymer Technology

The department has contributed significantly to higher education and research in the area of Applied Chemistry and Polymer Technology. Since 1998, the department is offering four year B.Tech. course on Polymer Science & Chemical Technology. The department is also offering course on M.Tech. 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.Tech. students is 40 which is likely to be increased to 60. The annual intake of regular M.Tech. students is 18.
Both B.Tech and M.Tech courses are interdisciplinary to prepare the technical manpower for chemical and polymer industry. The department has 15 regular teachers and one teacher on contract. The Govt. of N.C.T. of Delhi had created 13 teaching positions for B.Tech. course. In addition a good number of expert visiting faculty delivers lectures to B.Tech and M.Tech. students.
The department has 15 well-established laboratories on Applied Chemistry, Polymer Chemistry, Polymer Synthesis, Polymer Testing and Characterization, Polymer Processing, Chemical Technology, Chemical Reaction Engineering, Textile Technology, M.E. Lab, CAD Lab, Research Labs, etc. B.Tech. and 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 45 Ph.D.'s. The teachers of the department have published nearly 150 research papers in national and international journals. The faculty has written text books on Engineering Chemistry, Latex Technology and Polymer Composites. The department had organized Curriculum Development Workshops in 2004, 2007, 2009 & 2010 and has continuously updated B.Tech. and 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 training and job placements. The department has established 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 and winter vacations. Currently, the department is undertaking R & D projects in the area of Biopolymers, Nano-polymers, Conducting Polymers, Polymer Blends and 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 and industrialists in area of polymer science and technology. The department has filed two patents on synergistic anti-fungal compounds.

Department Of Applied Physics

Department is actively involved in supervising major R&D projects sponsored from, TIFAC-DST, AICTE, MoES, ONGC and many other organizations. 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. This department offers:-

i. B.Tech. in Engineering Physics – (Intake – 60)
ii. M.Tech in Nano Science and Technology – (Intake – 18)
iii. M.Tech in Microwave and Optical Communication Engg. – Intake – 18

iv. Ph.D. - over a dozen students in the area related to Photonics & Material Science & Solid state devices.

Department Of Applied Mathematics

The Department of Applied Mathematics offers courses to undergraduate and postgraduate students of various engineering disciplines. The syllabi have been designed in the areas of Applied Mathematics, and Statistics to impart sound knowledge of various mathematical tools and their applications in the engineering disciplines. To keep pace with the growing technologies which are resulting in more and more complex phenomena requiring high precision result, the department of Applied Mathematics plans to offer a 4 year B.Tech course in **Mathematic and Computing** from the academic session 2011–12. The course will provide a fusion of mathematics with computer Science. The student through this course will have in-depth theoretical and practical aspects of mathematical and computational techniques with a capability in solving industrial problems.

Department Of Humanities

The Department of Humanities offers courses in English, Economics and Accountancy to engineering and M.B.A. 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 and emerging employment trends among engineers, students are sensitized towards the specific technological need of urban slums and rural areas as well as socio-economic impact of engineering projects. A conscious effort is also made to develop very good communication & business skill among the budding engineers. To achieve this goal Technical Report Writing is also being taken up by the department. Classroom learning is constantly updated and supplemented through methods like market survey and analysis, paper presentations, group discussions etc to ensure maximum interaction between the students and faculty members.

Academic environment of the department is highly vibrant. Faculty members and students frequently participate and present their papers in national and international seminar and conferences. Expert lectures were organized by the department during last academic year on "Value of Science and Technology Education" and "Development of Business and Soft Skills among Technical Manpower".

From academic year 2006-2007, full-time and part-time Ph.D. programme has been launched by the department. Fellowships for full-time Ph.D. programme are also available for meritorious students. The department has the necessary expertise available in the following research areas of current interest:

- Socio-economic Studies,
- Labour market analysis,
- Education and skill development

The department is in the process of setting up Language Laboratory which will expose the students to TOEFL and GRE model of training and practice. By learning to correct their pronunciation, accent & intonation, students will improve their communication skills and learn different variations in English expressions. Courses like M.Sc. in Economics as well as foreign language like German, French, Japanese, Chinese and Russian have also been proposed for an all round development of the students.

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 companies which visited DTU 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.

Department of 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 manages 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 academician through a series of lectures, sponsoring students to conferences and seminars, and facilitating their contribution 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 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 (IIE) in which eminent speakers like Sh. David Wittenberg, CEO, The Innovation Workgroup. Sh. K.N. Rattan, Former Executive Director, Sh. 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, Kainzen 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 Innovatrion 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.

PROGRAMMES OFFERED

The following academic programmes are available at Delhi College of Engineering.

1. Bachelor of Technology
2. Master of Technology
3. Doctor of Philosophy
5. Bachelor of Technology (Evening Program)

ORGANIZATIONAL SET UP:

The President of the Republic of India is the Visitor of the University. Lt. Governor of Delhi is the Chancellor of the University.

The University is headed by Vice Chancellor, who is the principal academic and executive officer of the University. The Vice Chancellor is assisted by Pro-Vice Chancellor, Deans Head of Departments / Schools, Registrar, Controller of Finance, Controller of Examination and such other officers as declared by the Statutes to be the officers of the University.

Organizational hierarchy is given below: (May also see Annexure-B, showing Structural Design of the University)

1. Vice Chancellor

2. Pro-VC, Registrar, assisted by Jt. Registrars / Assistant Registrars / Section Officers in the Departments like Planning, Establishment, Academic, General Administration, Store & Purchase which are under the direct control of Registrar.
3. Deans & Heads of Schools of Studies
4. Controller of Finance assisted by Dy. Registrar (A/Cs), Accounts Officers.
5. Controller of Examinations, assisted by Dy. Controller of Examinations and Assistant Controller of Examinations.
6. OSD assisted by Project Officer.
7. Librarian, assisted by Assistant Librarians.

ALLOCATION OF BUSINESS/DUTIES AND SERVICES RENDERED

The University aims to perform following broad activities:-

- Quality Teaching and Research in University Departments / Schools of Studies
- Continuous and Comprehensive Evaluation
- Certification of students through Examination
- Partnership programmes with Industry / Research and other institutions for development, absorbance, standardisation, sharing and transfer of technology and resources.
- Making technology in the service of mankind and make all stakeholders socially responsible.
- IT enabled governance set up.

FACILITIES

The **University** provides various **Facilities** to its students like University Information Resource Center (Library), Laboratories, Seminar Halls, Conference room, Bank, Post Office, Auditorium, Hostels (Boys & Girls), Playground, Admission Helpline, Xerox facility, Canteen etc.

University Information Resource Center (Library) The University Library re-christened as University Information Resource Centre (UIRC) was established in September 1999 with the prime responsibility to supplement the educational and knowledge needs of the students, researchers and its faculty members. UIRC has been consistently building up itself from strength to strength to fulfill its objectives by incorporating the latest technology and talent in providing most cost-effective and time-efficient information services to its members. The services offered by UIRC are fully computerized. An ambitious proposal of making this centre a part of the University's website will help its members and international academic community to

assess the information on the library holdings on-line. The resource centre also has Xerox facilities and document delivery services. The centre at present serves about 2200 members. It is fully air-conditioned with a plan of doubling its reading room capacity in the near future.

The University is equipped with some state-of-the-art **Laboratories** to help the students in performing practical work and testing their theoretical knowledge in practice. The different schools have different laboratories like the Computer Software Development Cell, Web Development Lab, Computer Center, Linux Lab, Computer Microprocessor Lab, Multimedia Lab for the school of Information Technology, Chemical Analysis and Monitoring Lab for the school of Chemical Technology, Plant Tissue Culture Lab, Animal Tissue Culture Lab, Molecular Biology Lab, Microbiology and Enzymes Lab.

The **Seminar Hall** is the ideal venue for seminars by corporate , nonprofit, government organizations, and professional associations members to talk and deliver lectures to the students of our University to provide them a better and closer insight into the working of their different fields. The fully air conditioned seminar hall with a capacity of about 100 is equipped with OHP facility and also has mike in front of each seat so that the people listening to the lectures can give a feedback or ask questions whenever required.

The fully air conditioned **Conference Room** has a capacity of enough people and in it's quite and peaceful ambience is the ideal place for members to talk with other members and share everything from teaching methods, to current hot topics in the industry to requirements and expectations of corporate world from our University and what not.

The **State Bank of India** available in the University Campus is provided to give the University students and staff as well as the general public, money management facility. This bank not only provides the students the first entrance form in the University, but also gives all the best possible facilities available in any premiere standard bank of India.

The **Auditorium** is an elegant structure with a capacity of maximum 500 seats, named as Dr B.R. Ambedkar Auditorium, with a Central Lawn at the back of it. It is well-equipped for Plays and other ceremonies.

The University has **Hostels** for boys/girls which provides excellent residential facilities. It is located in the campus and is open for all categories of students, but the preference is given to the outside Delhi students. In order to satisfy the appetites of the students and to give them a break after a half day's hard work the University campus is provided with a relaxing and comfortable canteen.

The University Campus also gives the students the facility of several **Playgrounds** so that they can play and enjoy themselves in free time. It has a basket ball court, a volley ball court and a large ground used for playing games like Football, Cricket, Hockey and Rugby etc.

The University displays its Site-Map near its entrance gate (towards G.P.O). People can use it to find the exact location of various places in the University like Library, Bank, Administrative Block, Canteen etc.

The Xerox shops and snack centres are available for the students.

LOCATION & MAP

The University is presently functioning from its campus at Bawana Road, which has been improvised to provide modern academic facilities.

The present postal address of the University is:-

Delhi Technological University,
(Formerly Delhi College of Engineering),
Shahbad Daulatpur, Bawana Road,
Delhi-110042.
Tel No. – 011-27871018, 27871036
Web site – http://www.dce.edu

WORKING HOURS

1.	Office	:	9.30 AM to 6.00 PM
2.	Academic Departments.	:	9.00 AM to 5.30 PM
3.	B.Tech Evening Program	:	2.00 PM to 9.00 PM