

DELHI COLLEGE OF ENGINEERING

(Formerly Delhi Polytechnic : Established in 1940)
Kashmere Gate, Delhi-110005.

PROF. P. B. SHARMA
PRINCIPAL
2524705

PRINCIPAL'S COUNCIL

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DELHI COLLEGE OF ENGINEERING

50 Years Of Dedicated Service To The Nation

Delhi College of Engineering is one of the oldest technical institutions in our country. Established in 1940, originally as Delhi Polytechnic functioning under the direct control of Govt. of India. This college is presently under Delhi Administration since 1963 and is affiliated to the University of Delhi since 1952. The first batch admission took place in 1941.

This college has been instrumental in the planning and execution of technical education in our country from the very beginning. One of the earliest Principals of the college, Mr. W.W. Wood, was the chairman of Wood & Abbot committee which laid the foundation of the pattern of technical education in India. Over the last fifty years this college has made significant contributions to the development of relevant manpower to meet the needs of scientific and industrial advancement of our country. It is indeed a matter of great satisfaction to all of us in this college today that **in a recent survey sponsored by the Deptt. Of Science & Technology of Government of India on the competence of engineering institution in producing relevant manpower for industries, this college has been ranked no.2, next only to The University of Roorkee, amongst the high ranking institutions other than the IITs.**

The college has always been proud of its alumni who are mostly occupying positions of great responsibility and distinction in Industry, Defence Services, Govt. Organisations, Educational and Research Institutions in India and abroad. This recognition of the college mainly owes to the efforts of our well qualified and dedicated faculty and the technical supporting staff who year after year provided quality technical education to the bright young minds of our undergraduates and postgraduates despite some of the infrastructural limitations.

Presently the college caters for **10 U.G. degree programmes** which include 6 full-time B.E. courses in Civil, Mechanical, Production & Industrial, Electrical, Electronics & communication and Computer Engineering, besides 4 part time B.E. Tech evening courses to practicing diploma engineers. The college also

offers **9 full time P.G. programmes** leading to M.E. degree in different branches of engineering. In addition, a few part-time P.G. courses are offered to in-service engineers and physicists in and around Delhi. To keep abreast to the latest advances in specialized areas of Science & Technology, the college also caters for Ph.D. level research programmes under the Faculty of Technology of the University of Delhi. The present intake to our full-time B.E. programme is 320 as of now which is proposed to be increased to 425 at the end of the 1990-95 Plan period. It is also proposed to add six new P.G. courses in the 1990-95 plan period to cater for new and emerging areas of S & T, **besides full-time Ph.D. Programmes in specialised areas.**

The college presently has **9 academic departments** besides a separate department for Training and Placement.

Department of **Mechanical Engineering** which has been with the college from the very beginning has seen a considerable growth in as much as that its original intake of 30 at UG level in 1952 has risen to 100. The department is also offering M.E. degree level programme since 1972 in Production and Thermal Engineering besides catering for Ph.D. research programmes. The department has well equipped laboratories such as Instrumentation, Experimental Stress Analysis, Strength of Materials, Fluid Mechanics, IC engines, refrigeration and airconditioning and automotive engineering.

The Department of **Civil Engineering** which has also been with the college from the very beginning, today caters for 70 UG students besides offering PG degree level programmes in Hydraulics and Flood Control, Structural Engineering and Environmental Engineering and Ph.D. level programmes in selected areas of specialisation.

The Department of **Electrical Engineering** has seen a significant growth over the last 50 years specially because of the rapid advances in Electronics, Communications and Computer Engineering. The Department has now bifurcated into its three constituent departments viz Electrical Engineering, Electronics & Communication Engineering and Computer Engineering. From an intake of 50 in 1952, the department today caters for 70 UG students in Electrical Engineering, 40 in Electronics and Communication Engineering and 20 in Computer Engineering. In addition to UG programmes, the department offers M.E. Courses in

Controls and Instrumentation, Electronics and Communication, and Power Apparatus and System. Ph.D. level research is also carried out in frontal areas of Technology. The department has well developed laboratories for use of UG and PG students and research scholars. A special feature of the department is its Microwave and Communication laboratory having Optical Fibre facilities. The power system and control laboratories are equipped with sophisticated equipments and test setups for research in the area of high voltage engineering. The department faculty and students have developed a number of instruments in collaboration with leading R & D organisations, notably intelligent communication controller for IBM PC-XT with CDOT and high voltage breaking system. The department has recently undertaken an advance level technology development programme on superconductivity. This programme is interdisciplinary and a close interaction with the Applied Physics Department of the college and National Physical Laboratory is being established.

Considering the rapid advances in manufacturing technology and production systems, a new department of **Production and Industrial Engineering** has been set up in 1988. The department offers UG level programme in Production and Industrial Engineering besides offering PG programme in Production Engineering. The department has well equipped modern laboratories which include robotics, welding technology, automation and flexible manufacturing system, FMS. The department lays considerable emphasis of Institution-industry Interaction through organisation of Short term courses for practising engineers and industrial projects.

Applied Science Departments of the College offer PG level programmes besides providing the science base for engineering disciplines. The department of **Applied Physics** offer M.Sc. course in Applied Physics. The course has been specially designed to meet the requirements of the Scientists working in the laboratories and industrial organisations. Major emphasis in this course is laid on Material Science, Electronics, Applied Optics and Instrumentation including Ultrasonics and vacuum technology. Recently the department has undertaken research work in the area of thin films. It is also collaborating with Electrical Engineering Department in a joint research programme in the area of Superconductivity.

The Department of **Applied Chemistry** has contributed significantly to higher education and research in the area of Polymer

Technology. It has well equipped and modernised laboratories in polymer processing, polymer testing and specifications, and polymer synthesis. The Department closely interacts with the industries, R & D organisations and professional institutions. The department offers an M.E. level course in Polymer Technology which is especially designed to meet the requirements of plastics and rubber industries.

The Department of **Applied Mathematics** is imparting instructions to UG and PG students of all engineering disciplines to cater for their needs in the areas of Applied Mathematics and Computer Applications. In early 70's the department also conducted one year certificate course in Computer programming for the benefit of scientists and technocrats in National Institution like NPL, DSL etc. The department has well equipped computational laboratory consisting of PCs and HP-9000/560 system. A PG level programme leading to M.E. in Computer Applications has been approved by the Delhi University and it is envisaged that this course will commence from 1991-92.

A distinct feature of our academic programmes is that the students are given a considerably high exposure to practical aspects of engineering in the laboratories and also Industrial training. A number of industry oriented projects have been undertaken both at UG and PG level by the students of the college. The faculty members have also undertaken R & D projects sponsored by Government and private agencies. A number of instruments have been developed by the students and faculty of the college. Some of these are Digital Message Broadcasting Machine, TTL Digital Hardware, Intelligent Communication Controller, Fatigue Testing Machine, High Sensitivity Light Scattering Photometer, Actinometer, and Ultrasonic Diffraction Photometer. The faculty of the college has also offered consultancy services to industries and to a number of Government and private organisations.

Several relevant technologies have been developed both in the area of advanced as well as appropriate technology sectors. Some of these are: a technique for a rapid treatment of raw and waste water based on sludge regeneration product concept; fly ash admixture for reinforced and prefabricated concrete providing 30% saving of cement; a low cost prefabricated septic tank for domestic

sewage treatment installed in Jamia Millia Islamia University Campus; reinforced foundation sand-bed system using geotextiles; formulations for fire-resistance and low smoke PVC cables; safety and bullet proof glasses.

The college faculty and students closely interact with a number of professional bodies both at National and at International levels. The IEEE student chapter at DCE has received commendation from the parent International body for its activities. The Institution of Engineers (India) has a very close liaison with the faculty and students of this college. Indian Plastic Institute and Indian Rubber Institute have also established a close linkage with the polymer technology group in the college.

The faculty of the college has contributed to quality Text Books both in the areas of Technology and Applied Sciences. Over 600 research papers have been contributed by the college faculty in National and International journals of repute besides a large number of research papers presented at National and International conferences and seminars.

The college has organised a number of conferences, seminars and workshops over the last 50 years. Continuing education programmes for practising engineers are given special emphasis in the college.

The emergent pattern of employment scene of our Engineering graduates is indeed a healthy one. More than 80 percent of our graduates are getting employment in the industry through Campus interviews organised by our Training and Placement Department. This department has acted as bridge providing the Indian Industry an access to some of the brightest graduate engineers in the country. However, seeking jobs alone cannot and should not be the only objective of acquiring technical education; for technical education equips us well to help create jobs for others and to contribute to the progress of mankind by our constant endeavour to improve upon the products and processes for a much called for optimal use of energy and material resources. The college is regularly organising entrepreneurship awareness camps for the students of college.

Recently, a major programme on Entrepreneurship Awareness and Motivation focusing on Problems and Prospects before a Technical Entrepreneur has been conducted which was inaugurated

by Hon'ble Shri Mohan Dharia, Deputy Chairman of planning commission. Leading experts from Government Departments and private agencies were invited to address the students community on the support and the facilities being made available to the young entrepreneurs.

The rapid advances in technology have made it necessary to offer continuing education programmes on a regular basis so that the in-service engineers can update their knowledge-base and skills. The college has proposed the creation of the following technology centres in the plan period to provide the infrastructural facilities for continuing education, extension services and research.

- ⊛ Centre of ADVANCED STUDIES & RESEARCH IN POLYMER SCIENCE
- ⊛ BIO-ENGINEERING Cell
- ⊛ INSTRUMENTATION DESIGN & DEVELOPMENT Centre
- ⊛ Centre of APPROPRIATE TECHNOLOGY, Continuing Education & Extension services
- ⊛ Centre of INDUSTRIAL TRIBOLOGY, MAINTENANCE ENGINEERING & MANAGEMENT
- ⊛ Centre for PRODUCTION SYSTEMS AUTOMATION & ROBOTICS ENGINEERING.
- ⊛ Advanced Centre for DEVELOPMENT & APPLICATIONS OF SUPERCONDUCTIVITY.
- ⊛ Centre for ENTREPRENEURSHIP DEVELOPMENT.

Over the last 50 years, the college has seen significant growth so much so that institutions like School of Planning & Architecture, College of Art, IIT Delhi and Delhi Institute of Technology have come into being out of the erstwhile Departments of the college. The School of planning & Architecture is now a deemed to be University and which functioned as the Department of Architecture of the college previously. The college aspires to be converted into a deemed to be University in the foreseeable future. The 1990-95 Plan of the college has duly projected the administrative structure which will make such a transformation possible.

The College has implemented from the academic year 1990-91 a new examination policy (Examination Reform)

for the new entrants. The central theme of this policy is continuous assessment which is facilitated by a more direct involvement of teachers in the examination and evaluation process. The new policy also cuts short the bureaucratic machinery from the examination activity thus avoiding undue delays in the conduct of the examination and the declaration of results. The existence of the examination cell of the University within the college has also gone long way in facilitating the examination work at the college.

The college has a total sanctioned faculty strength of 167 for the existing academic programmes out of which only 101 faculty members are currently in position comprising of 31 Professors, 41 Assistant Professors and 29 Lecturers.

The major limitation in the present campus is the shortage of space. The college being non-residential in nature the students and staff are not being able to spend their time after the class hours for the pursuit of their innovative skills. A new campus of the college on a plot of land measuring about 165 acres is now under construction at Bawana Road, near Badli Railway station, which is about 20 km north-west from this place. The foundation stone for the New Campus was laid on May 23rd, 1989 by Hon'ble Vice President of India Dr. Shankar Dayal Sharma. The final shifting of the college to the new campus is targeted to March 1995.

The college students community besides exhibiting high academic performance possesses an exemplary record in sports and cultural activities. The students of the college have won sports awards in the intercollege tournaments and have also represented University in many sports activities. The students of this college have also participated in Asiad Sports Meet. The college Sports Council coordinates the sports activities, the Cultural Society of the college organises various cultural activities. Our students have won laurels in Debates and Dance competitions. The college cultural festival code named **Engifest** is an annual rendezvous for the students community for various Colleges and Universities.

1. COURSES OF STUDY:

The Institution admits students to the following courses of the University of Delhi.

1.1 DEPARTMENTS OF ELECTRICAL ENGINEERING, ELECTRONICS & COMMUNICATION AND COMPUTER ENGINEERING:

The ever increasing demand for electric energy, faster and novel means of audio and video communication systems and the automation in industry etc. have made the electrical engineer an indispensable member of the modern society. Under the worsening energy crisis the role of an electrical engineer comprises the design and development of more efficient electrical machinery, power systems, control equipment and systems. With ever-increasing tempo of events 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 Electrical Engineering lays emphasis on deep understanding of electrical and electronic networks and devices, electromagnetic field theory, computer fundamentals, electrical energy converters and electrical energy distribution systems, including their protection and communication and control systems etc.

With a team of well-qualified teachers, the Department runs both U.G. and P.G. Programmes. The U.G. Programme offers degrees in: (i) Electrical Engineering (Power) with electives in the areas of Power Systems, High Voltage Engineering, Electrical Machines and Drives, Illumination Engineering, Control Engineering, Nuclear Engineering etc. and (ii) Electronics and Communication Engineering with electives in Computers, Communication Systems, Microelectronics, Radar and Television Engineering etc. and (iii) Computer Engineering.

The department has well-equipped laboratories such as Electrical machines Laboratory, Power Systems Laboratory, Instrumentation and Control Systems Laboratory, Telecommunication and Microwave Laboratory and Computation/Micro Electronics Laboratory. In addition, microprocessor kits and microprocessor based computing machines are available for project work. The College has a full fledged Computer Centre.

1.1.1 Under Graduate Courses:

- (i) B.E. (Electrical) of 4 years duration.
- (ii) B.E. (Electronics and Communication) of 4 years duration.
- (iii) B.E. (Computer Engineering) of 4 years duration.
- (iv) B.E. Tech (Electrical) Part-time evening course of 5 years duration.
- (v) B.E. Tech (Electronics and Communication) Part-time evening course of 5 years duration.

1.1.2 Post Graduate Courses:

Three Semesters' Full time/Five Semesters Part time (Day) M.E. in Electrical Engineering in:

- (i) Control and Instrumentation.
- (ii) Electronics and Communication.
- (iii) Power Apparatus and Systems (subject to the approval from the Ministry of HRD and University of Delhi in respect of full time course)

1.1.3 Full Time Ph.D. Programmes*

A few full time scholarships are available in the following fields.

System Engineering, Electrical Engineering, Electronics and Communication Engineering, Computer Engineering, Interdisciplinary.

1.2 DEPARTMENT OF MECHANICAL ENGINEERING:

Mechanical Engineering is the science of exploring the natural resources of power and propulsion and materials of engineering construction, through the design, development, production, installation and operation of power plants, transport equipments and industrial plants besides the organisation and administration of such plants.

In addition to the basic and engineering sciences like Mathematics, Physics, Chemistry, Graphics, Electrotechniques,

*Subject to the approval by the Ministry of HRD and University of Delhi.

Thermodynamics, Mechanics of solids, the programme in Mechanical Engineering lays emphasis on the analysis and synthesis involved in the design, manufacture and operation of prime movers, pumps, compressors, machine tools, mass production techniques etc. Some amount of specialisation is possible in the Final Year of the B.E. (Mechanical) course in (i) Thermal Engineering, (ii) Design (iii) Production Engg.

The department has well equipped laboratories such as Instrumentation and Experimental Stress Analysis Laboratory, Strength of Materials Laboratory, Dynamics of Machines Laboratory, Fluid Mechanics Laboratory, Internal Combustion Engines Laboratory, Refrigeration and Air-Conditioning laboratory and Automotive Engineering Laboratory etc.

1.2.1 Under Graduate Courses:

- (i) B.E. (Mechanical) of 4 years duration.
- (ii) B.E. Tech (Mechanical) Part-time evening course of 5 years duration.

1.2.2 Post Graduate Course:

Three Semesters' Full time/Five Semesters Part-time (Day) M.E. Mech. Engg. course in:

- (i) Thermal Engineering

1.2.3 Full Time Ph.D. Programmes*

A few full time scholarships are available in Mechanical Engineering.

1.3 DEPARTMENT OF PRODUCTION AND INDUSTRIAL ENGINEERING:

Production is the first fact of life. It affects every other fact of a society and also the mode of social thinking. In today's dynamic societies with depleting material/energy resource endowment, the Production and Industrial engineering holds the key to faster growth through higher productivity by adopting intergrated design and efficient planning and operation of the whole manufacturing system with control over all its phases of activities.

*Subject to the approval by the Ministry of HRD and University of Delhi.

Production and Industrial Engineering is concerned with the design, improvement and installation of integrated systems of men, materials, equipment and process. It occupies the central position in any industrial enterprise and consists of human-activity systems concerning the physical workplace at which human activity occurs and the management control systems concerning planning, measuring and controlling all activities within the organization besides designing the production process for a product.

The programme of study at under graduate level is designed to produce young engineers with analytical and synthesising abilities, scientific attitude and social sensitivity in the world of rapid technological obsolescence. In addition to the basic and engineering sciences, it sets out to provide a strong base in computer applications in the integration of various activities like component production, process planning, production planning etc. and then proceeds to build up controls and systems engineering, industrial automation, process engineering and management subjects in order to produce first class engineers in the new and emerging area of high technology to play a vital role in the national growth. At post graduate level the subjects are dealt in depth.

The area is multidisciplinary in nature and adopts a systems approach. It is backed by well equipped laboratories in science of engineering manufacture, metrology, industrial engineering automation and FMS. Besides, the College has well equipped workshops and computer centre to cater to the needs of the course.

1.3.1 Under Graduate Course:

B.E. (Production & Industrial Engg.) of 4 years duration.

1.3.2 Post Graduate Course:

Three Semesters Full time M.E. in Mechanical Engineering course in Production Engineering.

1.3.3 Full Time Ph.D. Programmes*

A few full time scholarships are available in the following fields: Production Engineering.

*Subject to the approval by the Ministry of HRD and University of Delhi.

1.4 DEPARTMENT OF CIVIL ENGINEERING:

Civil Engineering aims at improving the civic life of man by harmonizing the natural resources available on earth. It concerns with planning, research, design and construction of buildings and roads, traffic and transportation, irrigation and power, water supply and sewage disposal, dams and reservoirs, ports and harbours, airways and navigation, treatment for industrial wastes and abatement of air pollution etc.

Besides the basic and engineering sciences, the curriculum in Civil Engineering covers various professional subject e.g. structures, foundation, construction, work management and cost, transportation engg., irrigation engineering, hydraulic and environmental engineering etc.

The Department runs both under-graduate and post-graduate programmes as detailed below. The under-graduate curriculum is broad-based and designed to introduce the students to a wide range of problems encountered by civil engineers. Electives and independently conducted projects are offered in the final year to enable the students to develop additional depth in areas of special interest to them. Survey camp and practical training which are part of the curriculum, aim at exposing the students to actual field problems. Laboratory experiments, computer class, design & drawing and the tutorial classes are held to build confidence in the students.

The Post-graduate curriculum prepares the students for research and design-oriented programmes with emphasis on practical problems. The part-time course is intended for persons employed in the industrial sector so as to improve their sphere of activities in their own organisations. These students have also to undertake a research programme, the problems for which are taken from day to day requirements of the industry and design organisations, besides taking part in the seminars organised by the Department.

The Department is well-equipped with laboratories related to Structures, Concrete testing, Soil Mechanics, Highway Engineering, Experimental Stress Analysis, Environmental Engineering and Hydraulics.

The Department also undertakes to organise special lectures and discussions by eminent persons from the field and Industry.

1.4.1 Under Graduate Courses:

- (i) B.E. (Civil) of 4 years duration. (Day time).
- (ii) B.E. Tech. (Civil) Part-time course of 5 years duration (Evening).

1.4.2 Post Graduate Courses:

Three Semesters' Full-time and Five Semesters Part-time M.E. Civil Engineering courses in:

- (i) Structural Engineering.
- (ii) Hydraulics and Flood Control.
- (iii) Environmental Engineering.

Candidates sponsored by the approved organisations are also admitted in full-time course.

1.4.3 Full Time Ph.D. Programmes:*

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

Water Resources Engineering, Environmental Engineering, Materials Engineering, Structural Engineering.

1.5 DEPARTMENT OF APPLIED PHYSICS:

1.5.1 Post Graduate Courses:

Four Semester full time* and Six Semester Part-time Day M.Sc. (Applied Physics) course.

M.Sc. Course in Applied Physics is designed to meet the requirements of Scientists working in Laboratories and industrial organisations. Major emphasis is laid on Materials Science, Applied Optics, Instrumentation including Industrial Ultrasonics and Vacuum Techniques. The department has laboratory facilities in these areas.

1.5.2 Full Time Ph.D. Programme:*

A few full time Ph.D. scholarships are available in the fields of Applied Physics, Interdisciplinary.

*Subject to the approval by the Ministry of HRD and University of Delhi.

1.6 DEPARTMENT OF APPLIED CHEMISTRY:

The Department possesses an excellent infrastructure and laboratory facilities for implementing several High-Tech Research and Development projects in the area of Polymer Technology and Industrial Chemistry.

1.6.1 Post Graduate Courses:

Three Semester Full-time and Five Semester Part-time (Day) Master of Engineering course in Polymer Technology.

This course in polymer technology has been specifically designed for Engineers, Technologists and Scientists with research and development aptitude in the industries. Its aim is to provide the students with a profound education, as well as methodological preparation for their own research, educational or industrial activities. Special emphasis is however, laid on advanced processing concept, design, development, computer-aided plant design, fabrication technology, polymer processing and polymerization engineering, property estimation and modelling and research with prototype micro-processor based control. Over the years a good number of students have successfully completed their M.E. (Polymer Tech.) Part-time & full-time course and have got immensely benefitted. All of them have very good positions in industries & academic institutions in India and abroad. In conducting this course a close co-ordination has been established between the college and industries. The department has the following five most sophisticated laboratories well equipped with latest micro-processor based instruments.

1. Polymer Research Laboratory
2. Polymer Processing Laboratory
3. Polymer Specification & Quality Control
4. Material Science Laboratory
5. General Chemistry Laboratory

1.6.2 Full Time Ph.D. Programmes *

The department has a specialized team working on the advanced research problems of the engineering polymeric materials. Teachers

*Subject to the approval by the Ministry of HRD and University of Delhi.

of this department are actively engaged in conducting and supervising research in following major areas of current interest:

1. Polymer Science & Technology
2. Material Science
3. Electrochemistry
4. Ion-exchange Materials

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

1.7 DEPARTMENT OF APPLIED MATHEMATICS:

1.7.1 Post-Graduate Courses:

Three semester full-time/Five semester part-time M.E. course in Computer Applications.*

The M.E. Course in Computer Applications is aimed at providing a thorough training to students in various aspects of computer Science and Applications. The part-time course is intended for persons employed in the industrial sector, defence and research establishments. Particular emphasis is laid on development of systems software and software for scientific and industrial applications. Option is provided to select courses of ones own interest varying from DBM, Financial Management on one hand to Data Communication and networks, CAD and Artificial Intelligence on the other.

1.7.2 Laboratory/Computational Facilities

A Computer Centre equipped with an HP-9000/560 System with 8 MB main memory, two hard-disc drives of capacity 307 and 571 MB, cartridge- and magnetic-tape drives, graphic terminals line-printer, laserjet and inkjet printers, DMPs, plotters, scanner and over a dozen PC/XTs and ATs has been established and provides onhand training to students. These facilities are being further augmented. Besides, students shall be required to take hardware training and utilise experimental facilities in the labs of the Department of Electronics & Communication Engineering.

*Subject to the approval by the Ministry of HRD and University of Delhi.

2.1 B.E. COURSES OFFERED

The following courses are offered under the Faculty of Technology leading to B.E. degree.

Delhi College Of Engineering	Intake
Electronics And Communication Engg.	40
Electrical Engg.	70
Mechanical Engg.	100
Civil Engg.	70
Production And Industrial Engg.	20
Computer Engg.	20
	320
Delhi Institute Of Technology	
Electronics And Communication Engg.	45
Computer Engg.	45
Instrumentation and Control Engg.	45
	135

2.2 ELIGIBILITY CONDITIONS FOR ADMISSION

(a) Educational qualifications

A candidate passing any one of the following examinations 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 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) B.Sc. (Gen.) Group 'A' Final Examination of the University of Delhi or equivalent examination.
- (iv) B.Sc.(Hons.) Examination in Physics, Chemistry and Mathematics of the University of Delhi with combination of Physics, Chemistry, Mathematics and equal weightage to the subsidiary subjects or equivalent examination.
- (v) Any other examination recognised as equivalent to the Senior School Certificate Examination of the C.B.S.E. by the University of Delhi.

A candidate must additionally have passed English as a subject of study either at the 10th Class level or 12th Class level (core or elective)

Note:

- (1) An applicant who has been compelled to leave an Engineering Degree course, or 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 Engineering Course.
- (2) Candidates who have appeared in the Annual Examination of the year 1991 and placed in compartment will not be eligible for admission.
- (3) Candidates who have appeared in the Annual Examination of the year 1991 and reappeared for the improvement to acquire the eligibility will not be considered for admission for the year 1991.
- (4) No admission will be made directly to the second or any subsequent semester of the course.

(b) Relaxation In Marks For Reserved Category

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

(i) Scheduled Castes/Scheduled Tribes

Candidates belonging to Scheduled Castes/Tribes shall be allowed 10 percent concession of marks in the minimum eligibility requirements.

(ii) Defence Quota

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.

(c) Age Requirements

Applicant must be 17 years of age on or before the first October of the year in which he/she seeks admission. Relaxation in age up to one year only with the approval of the Vice-Chancellor, is permissible. Candidates who are short in age by more than a year are not eligible for admission.

2.3 REGION-WISE ALLOCATION OF SEATS:

Category (i) for students passing from Schools in the Union Territory of Delhi. **85 percent**

Category (ii) for students passing from Schools/Colleges/Institutions located outside the Union Territory of Delhi. **15 percent**

NOTE:

- (1) The criterion for deciding the eligibility of an applicant to a seat reserved for any region is the location of the School / College from which the candidate has passed the qualifying examination on the basis of which he/she is seeking admission.
- (2) Admission under the categories (i) and (ii) is open to Indian Nationals only.

2.4 RESERVATION

The aforesaid allocation of seats carries the following reservations:

- (a) 15 percent for Scheduled Castes and 7.5 percent for Scheduled Tribes of the total seats in each course and in each of the categories (i) & (ii).
- (b) 5 percent of total seats under category (i) in each course for children/widows of Personnel of Armed/Para Military Forces killed/disabled in action during the hostilities.

However, if any seat remains vacant after the admission of candidates of the above category, the widows/children of officers and men of Armed Forces including para-military personnel who die while on duty, will be considered for admission against these reserved seats.

In case sufficient number of eligible candidates from the category mentioned (a) & (b) above are not available, the vacancies will be treated as unreserved in the respective categories.

2.5 NOMINEES OF THE GOVERNMENT OF INDIA

- (a) One seat over and above the normal total intake in both the colleges taken together 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,, 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 Missions abroad.

- (b) Six seats in Delhi College of Engineering (Electrical-1, Electronics and Communication-1, Mechanical-1, Civil-1, Production-1, Computer-1) and two seats in Delhi Institute of Technology (1 in Electronics and Communication and 1 in Computer Engg.) over and above the normal intake for candidates from friendly and developing countries. Nominations against these seats will be made by the Government of India.

2.6 METHOD OF ADMISSION TO B.E. COURSES

The admission of the candidates belonging to different categories will be made as under:

- | | |
|--|---|
| (i) Category (i) & Category (ii)
Defence quota of
category (i) | on the basis of the performance except at Combined Entrance Examination (i) held on June 2, 1991. |
| (ii) Defence quota of category (i) | on the basis of the performance at the Qualifying Examination. |

2.7 PROCEDURE FOR OBTAINING THE APPLICATION FORM FOR ADMISSION

All the candidates seeking admission are required to submit a new application form for admission to the B.E. Courses. The admission to both the Institutions namely Delhi College of Engineering (DEC) & Delhi Institute of Technology (DIT) will be done by Delhi College of Engineering.

The Sale of Form is Expected to Start on July 8, 1991

The application form for admission can be had from Delhi College of Engineering, Delhi either in person on payment of Rs. 10/- in cash at the college counter, or by post on remitting the same amount by a crossed Indian postal order, drawn in favour of the Principal, Delhi College of Engineering, Delhi and payable at G.P.O., Delhi. No other mode of payment is acceptable. The written request must indicate the following:

- (1) applicant's name and address to which the form is to be sent,
- (2) course for which the application form is sought,
- (3) three slips of paper of the size 10 cm x 5 cm containing the address to which the form is to be sent.

The candidates requesting for the application form must write on the top of the envelope "request for B E Form". Such a request for the form must reach the college on or before 22/7/91. Requests received after that date may not be entertained.

The candidates who seek admission as the nominees of Govt. of India need not fill the application form available from the college.

2.8 Detailed Allocation of Seats: B.E. Courses (1991-92)

Category/Reservation if any	code	total seat		in case of vacancies seats are diverted to Stage I Stage II	
		DCE	DIT		
Delhi					
General	DG	197	83		
Scheduled Castes	DC	41	17	DT	DG
Scheduled Tribes	DT	20	9	DC	DG
Defence	DD	14	6	DG	
		272	115		
Outside Delhi					
General	OG	37	15	DG	
Scheduled Castes	OC	7	3	OT	OG
Scheduled Tribes	OT	4	2	OC	OG
		48	20		
Total		320	135		

Admission to B E courses through CEE started last year namely 1990-91. The CEE90 was restricted to DG, DC, DT quotas only. From this year admission to the categories OG, OC, OT will also be made through CEE.

2.9 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 over-writing. The instructions are given item wise as given in the form.

1. Write the name as given in the school records. The postal address should be complete and with the pin code number.
2. (a) 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 studied and passed the qualifying examination. Based on the location of the school and reservation if any, identify the two letter code such as DG, DC, DT, DD, OG, OC & OT. This code had been stamped on your CEE91 admission ticket. (see table in para 2.8).
(b) Write the rank obtained in CEE91. (except for DD quota).
3. (a) Tick [✓] the appropriate box.
(b) Indicate the religion.
(c) Indicate the nationality. Please note that the admission to the seats indicated is open to Indian Nationals only.
4. Write the name of the qualifying examination on the basis of which you are seeking admission. If you have passed more than one examination listed at para 2, you may select any one. However the two letter code must be consistent with the examination.
5. Write the name of the Board/University which conducted the examination listed above.
6. Write the name of the State/Union Territory where the school is located.
7. Please note that you are not required to submit any marksheets etc. at this stage.
(a) Indicate the total marks obtained at CEE91 out of 900.
(b) Calculate the percent marks obtained in Physics, Chemistry & Mathematics as indicated by the Board/University rounded to two decimal places. PCM percentage is calculated by adding the Physics, Chemistry & Mathematics marks as above and dividing by 3.
(c) Aggregate percentage means the total which is considered by the Board/University for the classification of the result.
8. (a) Tick [✓] the appropriate box.
(b) The certificate is to be signed by the candidate after writing the 'caste'.

9. Write the roll number of CEE91. (except for DD quota).
10. (a) Write the date of birth as in your school record.
 (b) If you are under-age, indicate the extent of shortage in months and days in the boxes provided. Shortage is to be calculated with respect to the age of 17 years on 1/10/1991.
11. Indicate the preference to the branch by writing the branch code number as given below under the choice numbers.

Branch Code	Branch	College
1	B E Electronics & Communication	DCE
2	B E Electrical	DCE
3	B E Mechanical	DCE
4	B E Civil	DCE
5	B E Production & Industrial	DCE
6	B E Computer	DCE
7	B E Electronics & Communication	DIT
8	B E Computer	DIT
9	B E Instrumentation & Control	DIT

The option once exercised is treated as final. If you are offered a seat in the branch which may or may not be your first preference and you refuse to accept the same or you do not report for admission on the scheduled date, it will be presumed that you are not interested in admission and hence your name will be deleted and you will not have any subsequent claim to a seat in B E Course.

A candidate who has paid his fees against an offer of admission in a branch other than his first choice, will automatically be transferred to the branch next in order of his higher preference as indicated in his application as soon as a seat is available. However if a student desires to continue in the branch allotted at the time of admission, he should give the request in writing within 3 days of admission under receipt. Any such request made later cannot be considered.

No Change in the order of preference will be permitted.

Since the admission to B E courses at DCE & DIT are being done centrally, the transfer of branches on the basis of preference may involve a change of the institution also. The students on

rolls at the time of registration on 10/9/91 will however remain in the same institution. Any upgradation later will be confined to that institution only.

12. According to the requirements for admission a candidate must have passed English as a subject at X class or XII class level. Indicate the highest examination in English passed.
- 13, 14, 15 Enter the information.
16. This certificate is to be signed by the Principal of the School where you studied last. Name and address of the school is to be shown at the appropriate place.
- 17, 18, 19, 20 Enter the information.

Note: Any address need not be repeated. Write "same as....".

The Principal (DCE)/Director (DIT) may send communications to the parents/guardians in case of shortage of attendance or very poor progress in studies. For this purpose the office address at item 13 will be used. In case father is not alive the office address at item 17 will be used. In emergencies the local gaurdian will be contacted.

21. Candidates applying for any reserved seat as mentioned in para 2.4. (a) & (b) (i.e., SC/ST & Defence Quota) should submit the following certificates as the case may be:
- (a) 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 District Magistrate/ Deputy Commissioner/ Collector/ Additional Deputy Commissioner/ Deputy Collector/ Ist class Stipendiary Magistrate/ City Magistrate (not below the rank of Ist 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 candidate and/ or his/ her family normally resides.
 - (v) Administrator/ Secretary to Administrator/ Development Officer (Lakshadweep & Minicoy Islands).

- (b) For admission to a seat reserved for Ward/ Children/ Widows of Personnel of Armed/Para-Military forces of Delhi 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 Widows/ Children of the officers and Men of the Armed Forces including Para-Military personnel who died on duty must submit a certificate to that effect from the following authorities:

- (i) Secretary, Kendriya Sainik Board, Delhi.
- (ii) Secretary, Rajya/Zila Sainik Board.
- (iii) Officer-in-Charge, Record Office.
- (iv) 1st Class Stipendiary Magistrate.

22, 23. The undertakings are to be signed by the candidate/parent/guardian as the case may be.

Write your address on acknowledgement card

2.10 The completed application form B.E. admission is to be submitted to The Accounts Officer, Delhi College of Engineering, Delhi-110006.

The Last Date for receipt of the completed form is 6-8-91.

The College is not responsible for any postal delay or loss.

The candidates must ensure that the College receives the applications on or before the last date. All applications received after the last date stand rejected automatically.

2.11 ADMISSION PROCEDURE

The admission of candidates belonging to DD (Defence Quota of category (i)) will be done strictly on the basis of the marks obtained in the Qualifying Examination listed in para 2. The applications will be arranged according to merit on the basis of PCM percentage. If more than one candidate has the same PCM percentage, the aggregate percentage becomes the deciding factor. In case the aggregate is also the same the candidate born earlier will be treated as senior.

In all other quotas the applications shall be arranged on the basis of marks obtained in CEE91. In case more than one candidate has secured the same marks in CEE91 the PCM percentage becomes

the deciding factor. If the PCM percentages are also the same the candidate born earlier will be given the preference.

Past experience shows that some candidates do not report for admission. Therefore the number of candidates called at any time is usually more than the number of firm seats available. The list of students (selected as well as waitlisted) will be put up on the notice boards as per the schedule given. Candidates are advised to watch the notice boards on their own. No individual communication will be sent to the candidates from Delhi. Communication may be sent to the candidates from outside Delhi.

Admissions will be made strictly on the basis of merit (as defined above) from amongst the candidates present in response to the list/call. The admission of the candidates originally called as waitlisted also will be confirmed if the vacancies exist. The candidates are required to bring all the original certificates (Class X certificate indicating the date of birth; provisional certificate, marksheet of the qualifying examination) along with one set of attested xerox copies.

After the verification the originals and xerox copies will be retained and an admission slip will be given. The candidate must pay the fees (Rs. 434). The original certificates will be returned after Dec 1992 or on withdrawal in writing from the college whichever is earlier.

If the candidate whose name appears in the list of students called (firm seat or waitlisted) fails to report at the time specified he/she will forfeit his/her claim for admission.

2.12 Time Schedule

Announcement at 5.00 PM, Admission at 11 AM.

- 22.7.91 Last date for receipt of request for form by post.
- 06.8.91 Last date for receipt of completed application forms.
- 09.8.91 Announcement of First List OG, OC, OT.
- 12.8.91 Announcement of First List DC, DT, DD.
- 13.8.91 Announcement of First List DG.
- 16.8.91 Admission of candidates called vide First List-DC, DT, DD.
- 19.8.91 Admission of candidates called vide First List-DG.
- 22.8.91 Admission of candidates called vide First List-OG, OC, OT.

- 22.8.91 Announcement of Second List OG, OC, OT.
03.9.91 Announcement of Second List DG, DC, DT, DD.
06.9.91 Admission of candidates called
Second List-DG, DC, DT, DD.
09.9.91 Admission of candidates called Second List-OG, OC, OT.
10.9.91 Announcement of Final List OG, OC, OT.
10.9.91 10.00 am Registration of all candidates admitted.
12.9.91 10.30 am Principal's address to the new students.
16.9.91 08.30 am Teaching of First Semester starts.

The attendance of all students admitted is continuously monitored. The names of those students who have not registered on 10.9.91 and / or whose attendance is irregular during the period 16.9.91 to 27.9.91 will be struck off from the rolls on 30.9.91 and a final admission list shall be announced on the same day.

A student who has been duly admitted but has not registered or failed to attend the classes, must submit an application through his parent/guardian explaining the reasons. The Principal/Director may defer the cancellation of seat.

- 30.09.91 Announcement of Final List DG, DC, DT.
01.10.91 Admission of candidates called vide
Final List-OG, OC, OT.
03.10.91 Admission of candidates called vide
Final List-DG, DC, DT.

Diversion of seats from one quota to another as per the table in para 2.8 will take place on 1.10.91 & 3.10.91. In case the list of eligible candidates is exhausted the diversion may take place earlier.

3. BE (TECH.) PART-TIME COURSES

The college admits the students for the following B.E. Tech courses of 5 years duration.

	Intake
B.E. Tech. (Electrical Engg.)	15
B.E. Tech. (Electronics & Communication)	15
B.E. Tech. (Mechanical Engg.)	15
B.E. Tech. (Civil Engg.)	15

Classes will be held 5 days a week in the evening from 6.00 pm to 9.00 pm. Some classes may be scheduled for holidays and Sundays during the daytime.

3.1 ELIGIBILITY CONDITIONS

A candidate seeking admission to a course of study for the degree of B.E.Tech. (Electrical/Electronics & Communication/Mechanical / Civil Engineering) must have passed:

- (a) A state Diploma Examination of 3 years duration in the corresponding branch or any other examination recognised as equivalent thereto by the University of Delhi with a minimum aggregate of 60% (50% for Scheduled Caste/Scheduled Tribe candidates).
- (b) (i) After passing the said examination, must be in full-time employment, training of apprenticeship in installation, operation and maintenance or other recognised field work in an approved Engineering works/Organisation in the relevant branch of Engineering for a period of **not less than one year and should continue to be in the employment for the entire duration of the course.**
- (ii) The student must produce a "No objection Certificate" in the prescribed form from the employer.
- (c) Must attain 19 years of age before the First October of the year of admission.
- (d) The candidate must appear in the B.E. Tech. Entrance Examination and selection will be made on the basis of the merit in the Entrance Examination.

Note: No admission will be made directly to the second or subsequent year of the course.

3.2 RESERVATIONS

The seats carry the following reservations:-

- (i) For Scheduled Castes candidates 15% and for Scheduled Tribes candidates 7.5 % in each course.
- (ii) One seat in each course for eligible candidates from amongst the staff of Delhi College of Engineering/Delhi Institute of Technology / Industrial Training Institutes and Polytechnics run by Delhi Administration.

3.4 SELECTION PROCEDURE

Selection will be made strictly on the basis of merit in a written test which will consist of Two Parts in one paper of 3 hours duration. The first part will be common to all and the second part will be specific for each course.

The entrance examination is to be held on 7/7/91. The last date for receipt of application forms was 30/5/91. A separate announcement was made earlier.

4. POST GRADUATE COURSES

The College admits the students to the following Post-Graduate Courses of the University of Delhi:

- i) M.E. Courses
- ii) M.Sc. Courses

4.1 MASTER OF ENGINEERING (M.E.) COURSES

The college offers the following courses

Deptt/Course	Number of seats	
	Full-Time	Part-Time
1. Civil Engineering		
i) Master of Engg. in Civil Engg. (structural Engg.)	20	Nil
ii) Master of Engg. in Civil Engg. (Environmental Engg.)		
iii) Master of Engg. in Civil Engg. (Hydraulics & Flood Engg.)		

2. Electrical Engg./Electronics & Communication Engg.		
i) Master of Engg. in Elect. Engg. (Control & Instrumentation)	15	15 (5 seats in each course)
ii) Master of Engg. in Elect. Engg. (Electronics & Communication)		
iii) Master of Engg. in Elect Engg. (Power Apparatus & System)		
3 Mechanical Engineering.		
i) Master of Engg. in Mech. Engg. (Thermal Engg.)	8	5
4 Production & Industrial Engineering		
ii) Master of Engg. in Mech. Engg. (Production Engg.)	7	Nil
5 Applied Chemistry		
i) Polymer Technology	10	5

Full time courses are of 3 semesters duration and part time courses are of 5 semesters duration

Instructions for part-time courses are normally arranged from 8.30 am to 10.30 am, on 5 days a week and on Saturdays/Sundays if necessary. Whenever possible the full-time students and part-time students may also have combined classes.

4.2 EDUCATIONAL QUALIFICATIONS

- i) (a) A candidate must have passed the Bachelor's Degree Examination in the appropriate eligible Branch of Engineering (Electrical/ Mechanical/ Electronics & Communication/ Civil/ Production/ Control & Instrumentation/ Computer Engineering) from the University of Delhi 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 specialisations/Grade I.T.E (India), A.M.I.E. (London) A.M.I. Mech. Engg. (London), A.M.I.Struct.E., the concerned branch recognised as equivalent to B.E. by the University of Delhi.

(b) M.E. (Polymer Technology)

The candidate should have passed B.E. Examination in any branch of Engineering from the University of Delhi or any other Examination Recognised by University equivalent thereto:

OR

M.Sc. (Chemistry) of the University of Delhi or equivalent thereto.

AND

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

4.3 AGE REQUIREMENTS

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

4.4 ADDITIONAL REQUIREMENTS FOR THE PART-TIME COURSE.

The following categories of candidates are eligible for admission to these courses provided they satisfy the eligibility requirement as in 4.2 (i)/(ii) above:

- i) Members working in an Engineering Institution in Delhi.
- ii) Persons in approved employment in Research & Development/Design, Training Organisations in Delhi.

Both the above categories of applicants must

- (a) must produce from their employers (i) a clear No objection Certificate (without qualifying conditions) and (ii) Permission to undergo any training/project outside Delhi for about one month.
- b) will be required to continue in such employment during entire period of the course.
- c) must have had 1 year's meaningful experience before admission.

4.5 RESERVATION

(i) No seats be reserved for scheduled caste in a post-graduate course where the number of seats is less than 7. Where number of seats is more than 7 and less than 15, (15% of the seats be reserved for scheduled caste candidates (if no scheduled caste candidate is available, the seats would go to a scheduled Tribes candidate, if available). Where the number of seats exceed 15, reservation @

% and 7.5% of for scheduled caste and scheduled tribes candidates (inter-changeable) be made respectively.

(ii) That for reserved category of scheduled castes\scheduled tribes the minimum eligibility for admission to Post-graduate courses be the minimum pass marks of the qualifying examination concerned of the University of Delhi. In the case of scheduled castes\Scheduled tribes candidates who had passed the last qualifying examination from the other Universities they should have secured at least the same percentage of marks at the qualifying examination of Delhi University of the equivalent examination of Delhi University for purpose of admission to the post graduate courses of this University.

(iii) That if the requisite number of Scheduled Caste\Scheduled Tribes candidates are not available by the last date fixed by the University for admission to each course, the remaining seats be reserved and filled from the general category.

A few seats over and above the normal intake may be provided to candidates belonging to friendly and developing countries with the approval of Govt./Public undertaking provided they fulfill the eligibility conditions (i) of 4.2 above.

4.6 PROCEDURE FOR OBTAINING APPLICATION FORM

Prospectus of this college along with the application form can be obtained from the Delhi College of Engineering, Delhi either in person on payment of Rs.10 in cash at the college counter, or by post on remitting the same amount by a crossed postal order, drawn in favour of the Principal, Delhi College of Engineering, Delhi and payable at G.P.O. Delhi. No other mode of payment is acceptable. The written request by post must indicate

(i) Applicant's name and address to which the application form is to be sent.

(ii) Details of Payment
Postal Order No.
Place of Issue
Date of Issue

(iii) Course for which the application form is sought.

(iv) Three slips of paper of size 10cm x 5cm 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 M.E. Course". The request by post should reach the college on or before 15.7.91. Requests received after that date will not be entertained.

4.7 INSTRUCTIONS TO THE APPLICANT OF M.E. COURSES FOR FILLING APPLICATION FORM

1. Read all the instructions carefully before filling the form. Make sure that you are eligible for Admission.
2. Use Capital letters in filling the application form.
3. One recent passport size photograph is to be pasted at the proper place on the application form.
Copies of the following certificates are to be enclosed.
 - (a) Proof of date of birth.
 - (b) Proof of passing B.Sc.Engg/B.E.Degree/M.Sc. Chemistry or equivalent.
 - (c) Mark sheets of all subjects offered for the B.E./B.Sc.Engg. Course or Equivalent or corresponding examinations in case of other qualifications.
 - (d) For admission to a seat reserved for Scheduled Caste/Tribe 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 at para 2.9 item 21.
 - (e) In case of applicants to the part-time courses, a certificate from the employer is to be given on the prescribed form provided in the application.

Write your address on the acknowledgement card.

"Last Date For Receipt Of Completed Application Form is 22.7.91. College is Not Responsible For Any Postal Delay Or Loss, Candidates Must Ensure Themselves That College Receives The Application On Or Before The Due Date. All Applications Received After Due Date Stand Rejected Automatically.

4.8 SELECTION PROCEDURE

- (a) Candidates who are seeking admission on part-time basis after having passed AMIE Examination or equivalent under para 4.2(i), will be required to take a written test of 3 hours duration to be conducted by the Delhi College of Engineering. They must have at least 40 percent marks in test to become eligible for interview/Viva-voce.

- (b) Admission of a sponsored candidate for Full Time course without scholarship will be governed by merit as per procedure for admission to part-time courses.
- (c) All eligible candidate for M.E. Courses both full-time and Part time will be required to appear for an interview before an appropriate Board, comprising:
1. Head of the respective Department in the College.
 2. All the Professors in the respective Department,
 3. The Heads of other Engineering Departments or their nominees.

Note: The above procedure will not apply to teacher candidates from the Delhi College of Engineering, who will compete among themselves for the seats reserved for them.

The syllabus for the above written test is of B.E. standard.

The programme for selection is as follows:

Written Test for AMIE Candidate only.	10 AM to 1PM	5.8.91
Interview for part-time Candidates	10 AM	6.8.91
Interview for full-time Candidates	10 AM	7.8.91

- (d) The merit list of the candidates for admission to M.E. courses will be prepared by apportioning the following weightage.

FULL-TIME

	Max. Marks
1. Weightage for percentile score given by GATE	80
2. Interview/viva-voce	20
	<hr style="width: 50%; margin-left: auto; margin-right: 0;"/> 100

PART-TIME

1. Qualifying Exam. aggregate	80
2. Interview/Viva-voce	20
	<hr style="width: 50%; margin-left: auto; margin-right: 0;"/> 100

Candidates securing less than 50 percent marks in the above procedure will not be admitted. All admissions will be made in order of merit.

Note: Interview/Viva-voce is compulsory.

If any candidate fails to appear in the interview/Viva-voce on the scheduled date, he/she will not be considered for admission.

The list of selected candidates will be put up on the notice board of the concerned department on 8.8.91

Selected candidates will be required to submit the Original Certificates and pay fees at the time of admission.

No admission will be made directly to the second or higher year of the course. No admission will be made after 16.8.91.

4.9 M.Sc. COURSES.

The college offers M.Sc. Course in Applied Physics with an intake of 10.

The course is spread over a period of three years. Each year is divided into two semesters & each semester will consist of 16 weeks of teaching. Instruction for students is normally arranged from 8.30 AM to 10.30 AM on five days a week and on Saturday/Sundays if necessary according to the convenience of the College. In addition the students shall be required to attend two consecutive semesters for a period of nearly one month each summer for instructions in practicals, theory papers, drawing and workshop as may be required by the Department.

4.10 Eligibility For Admission

(a) A candidate who has passed B.Sc.(Hons.) in Physics or B.Sc. (Gen.) Group 'A' (Physics, Mathematics & Chemistry or Electronic Science or Computer Science) Examination of Delhi University or an Examination recognised as equivalent thereto with a minimum of 55% marks in aggregate under 10+2+3 scheme (50% for SC & ST).

OR

Minimum of 60% marks in aggregate under any other scheme (55% for SC and ST) leading to B.Sc.(Hons) Degree in Physics or B.Sc. Degree with Physics, Mathematics & Chemistry or Electronic Science or Computer Science.

(b) A candidate should be employed in approved industry/laboratory in Delhi for at least 12 months and should be sponsored by his/her employer.

4.11 AGE REQUIREMENTS

A candidate should be twenty years of age before the first day of October in the year in which he/she seeks admission.

However, the Vice-Chancellor on the basis of individual merit may relax the age up to a maximum period of one year.

4.12 PROCEDURE FOR OBTAINING APPLICATION FORM

Prospectus of this college along with the application form can be obtained from Delhi College of Engineering, Delhi either in person on payment of Rs.10 in cash at the College counter, or by post on remitting the same amount by a crossed postal order, drawn in favour of the Principal, Delhi College of Engineering, Delhi and payable at G.P.O.Delhi. No other mode of payment is acceptable. The written request by post must indicate

- (i) Applicant's name and the address to which the application form is to be sent.
- (ii) Details of Payment
Postal Order No.
Place of issue
Date of issue.
- (iii) Course for which the application form is sought.
- (iv) Three slips of paper of size 10cm x 5cm 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 M.Sc. (Applied Physics) Course". The request by post should reach the college on or before 15.7.91. Requests received after that date will not be entertained.

4.13 INSTRUCTIONS TO THE APPLICANTS OF M.Sc. (APPLIED PHYSICS) COURSE FOR FILLING APPLICATION FORM:

1. Read all the instructions carefully before filling the form. Make sure that you are eligible for admission.
2. Use block letters in filling the application form.
3. One recent passport size photograph is to be pasted at the proper place on the application form.

Copies of the following certificates are to be enclosed.

- (a) Proof of date of birth.
- (b) Proof of passing B.Sc.(Gen) or B.Sc.(Hons.) Examination or equivalent.
- (c) Mark sheets of all the examinations conducted by the University.
- (d) A certificate from the employer sponsoring the candidate is to be given on the prescribed form provided in the application.

- (e) In case of candidates from Scheduled Caste/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 at para 2.9 item 21.

Write your address on acknowledgement card.

Last Date For Receipt Of Completed Application Form Is 22.7.91. College is Not Responsible For Any Postal Delay Or Loss. Candidates Must Ensure For Themselves That College Receives The Application On Or Before The Due Date. All Applications Received After The Due Date Stand Rejected Automatically.

4.14 SELECTION PROCEDURE

All eligible applicants for M.Sc.(Applied Physics) will be required to take written test to be conducted by the college and also appear for a Viva Voce before a board comprising:

- (i) Head of Physics Department in the College.
- (ii) Professors and Asstt. Professors in the Department
- (iii) Heads of the department of Mathematics and Chemistry in the college.
- (iv) Head of the Department of Electrical Engineering or his nominee.

All the eligible candidates will be informed of the syllabus for the written test which will be conducted on 5.8.91 from 10 AM to 11 AM. The candidates will be interviewed the same day at 2 PM.

The merit list of candidates for admission to M.Sc. (Applied Physics) course will be prepared by apportioning the following weightage to their performance in the qualifying examination (on the basis of which they have sought admission) and the written test and Viva Voce mentioned above.

	Max Marks
(i) Qualifying examination aggregate	50
Written test	30
Viva Voce	20
Total	100

Note: Written test and Viva Voce are compulsory

If any candidate fails to appear in the Test, Interview/Viva Voce on the Scheduled date, he/she will not be considered for admission.

The list of selected candidates will be put up on the notice board of the Physics Department on 8.8.91

Selected candidates will be required to submit the original certificates, pay fees at the time of admission.

Note:

- (i) No admission will be made directly to second or higher year of the course.
 - (ii) Candidates securing less than 45% in the merit list will not be admitted. Admission will be made in order of merit.
 - (iii) For purposes of merit, weightage of 5 marks will be given to candidates passing B.Sc.(Hons.) course in Physics from Delhi University or equivalent examinations.
- No admission will be made after 16.8.91.

5. IMPORTANT DATES

The important dates connected with the admission process are:

	B E	B E Tech	ME/M.Sc.
Date of release of application forms for admission	8/7/91		1/7/91
Last date for requests for application by post to reach the College	22/7/91		15/7/91
Last date of receipt of completed forms to reach the College	16/8/91		22/7/91
details of dates of admission are given in the prospectus			
Registration of fresh students	10/9/91 10:00 am	16/8/91 6:00 pm	9/8/91 10:00 am
Principal addresses the freshers	12/9/91 10:00 am	16/8/91 6:30 pm	12/8/91 10.00 am
Instruction starts for first semester B.E. /M. E. /M.Sc	16/9/91 8.30 am		13/8/91 8.30 am
first year B.E. Tech		17/8/91 6.00 pm	

On the day of registration the students are required to bring three passport size photographs for the identity card and registration form.

6. MEDICAL FITNESS

All fresh admissions will be provisional and shall be confirmed after candidates have been examined medically according to the norms laid down by the college from time to time and found fit.

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

7. PRACTICAL TRAINING

Practical Training for B.E. students is an integral part of the curriculum and is built into the courses of study. Students are introduced to Industrial Practices through training in the college workshops and in factories, installations, works etc. as stipulated under the relevant University Ordinance according to the following programmes.

- (i) 4 weeks in the College workshops in the Winter Vacation of the II Year for Civil/Electrical Engg/Electronics and Communication Engineering students.
- (ii) 4 weeks in the College Workshops in the summer Vacation following the II year for Mechanical Engg. students.
- (iii) 8 weeks in the summer vacation following the III year in Industries situated in and around Delhi.
- (iv) 8 weeks during winter vacation in IV year of the course in large scale industries.

Parents/guardians of applicants should note that for the supervised implant practical training as at (iii) and (iv) above, students will be sent to industrial organisations, both in and outside Delhi, depending upon the availability of training places. Their

attention is particularly drawn to the undertaking under item No 23(b) on the application form. No relaxation from this undertaking can be given except under very special circumstances.

Parents of the students will be responsible for any damage caused by their wards to the Factory/Installation during practical training.

8. FEES

The fees are to be paid in two instalments. The first instalment is to be paid in July and the other in January at the beginning of the second semester, in cash only and not by cheque/postal order or money order. No part payment will be accepted.

All deposits are payable in full on admission and are refundable when the student leaves the institution after deducting all dues as determined by the Principal. The Institution shall have the right to forfeit the security deposits, if it is not claimed within three years of the candidate ceasing to be on the rolls of the institution.

"Fees" will not be refunded in respect of B.E./B.E.Tech/M.E./M.Sc. (Applied Physics) course, unless the student joins a corresponding course elsewhere and the vacancy so caused is filled up by another student on or before 3/10/91 for B.E. and 16/8/91 for M.E./M.Sc. (Applied Physics) courses. For refund the student should apply through the Principal/Director of the Institution he joins, failing which no refund will be admissible.

Fees for B.E./M.E./M.Sc. (Applied Physics) Classes

<i>Session Dues</i>	<i>First Instalment payable in July/ Aug Amount in Rs.</i>	<i>Second Instalment payable in Jan Amount in Rs.</i>
'A' Tution Fees	90.00	90.00
'B' Deposit at the time of admission(Refundable):		
(i) Security Deposit	30.00	
(ii) Education Tour Money	60.00	
(iii) Library Security	100.00	
'C' Other Fees		
(i) Sports (Semester)	20.00	20.00
(ii) Stationery(Semester)	50.00 [#]	50.00 [#]
(iii) Medical(Semester)	10.00 [#]	10.00 [#]
(iv) Cultural society (Semester)	4.00	4.00
(v) Departmental society (semester)	2.00	2.00
(vi) X-ray Fees (Annual)	5.00	
(vii) University Enrolment Fees (Annual) 1st year	10.00	
Other Years (special Annual Fees)	5.00	
(viii) Delhi University Student Union(Annual)	1.00	
(ix) S.H.W. Project (Annual)	1.00	
(x) U.G.C. Fees (Annual)	1.00	
(xi) University Athletics Fees (Annual)	5.00	
(xii) University Culture Council (Annual)	5.00	
(xiii) College Magazine (Annual)	15.00 [#]	
(xiv) Campus Interview Fee	5.00	
(xv) Golden Jubilee Publication (only once)	25.00 [#]	
Total First year	434.00	176.00
Other years	214.00	176.00

Subject to the approval

Fees for B.E.(Tech.) Part-Time Course

Session Dues	First Instalment payable in July/ Aug Amount in Rs.	Second Instalment payable in Jan Amount in Rs.
A Tuition Fees	90.00	90.00
B Deposits at the time of admission (Refundable)		
(i) Security Deposit	30.00	
(ii) Library Security	100.00	
'C' Other Fees		
(i) Sports(Semester)	20.00	20.00
(ii) Stationery (Semester)	50.00*	50.00*
(iii) Medical(Semester)	10.00*	10.00*
(iv) Departmental Society (Semester)	2.00	2.00
(v) X-ray Fee (Annual)	5.00	
(vi) University Enrolment Fee (Annual)		
1st Year	10.00	
Other Years (Special Annual Fee)	5.00	
(vii) S.H.W. Project(Annual)	1.00	
(viii) U.G.C. Fee(Annual)	1.00	
(ix) University Athletics Fees (Annual)	5.00	
(x) University Culture Council (Annual)	5.00	
(xi) College Magazine Annual	15.00*	
(xv) Golden Jubilee Publication (only once)	25.00*	
Total 1st Year	369.00	172.00
Other Years	209.00	172.00

If a student fails to pay tuition fees etc. even with delay fine within one month of the specified date, he/she shall cease to be a student of the college and his/her name is likely to be struck off the rolls of the institution.

9. HOSTEL

Hostel accommodation for about a quarter of the male students on rolls will be allotted to full-time day student whose parents are

* Subject to the approval

not residents of Delhi/New Delhi strictly on merit. There is no hostel for P.G. Students. However, after meeting the requirements of B.E. students, M.E. full-time day students from outside Delhi will be considered. Application for hostel seats for about 300 students mostly in 2 seator rooms should be submitted in the prescribed form. No Ex-student shall be allotted any hostel accommodation. No student of DIT will be provided with accommodation in D.C.E. hostel.

Girl Students may please note that there is no girls hostel attached to the College and the girl students will have to make their own arrangements for their stay.

All the Hostel Residents shall abide by the Hostel Rules. Any violation of the Hostel Rules will be viewed seriously. The Hostel Superintendents are fully competent to deal with the residents in the manner the situation demands.

It must be clearly understood that no items like jewellery, electrical gadgets etc., are to be kept inside the hostel rooms.

Hostel Residents are not allowed to bring or use objectionable drugs, intoxicants in the hostel.

Hostel rent is payable in advance in 2 instalments. "Rent" also includes furniture rent.

For the payment of Hostel Rent and other charges there would be two terms as given below:

Hostel Charges

	I Semester July to Nov.	II Semester Dec. to April
Rent (per Semester)	35.00	35.00
Electricity & water charges	20.00	20.00
Hostel/Security Deposits (Refundable)	30.00	
Mess Security Deposit at the time of joining the Hostel	200.00	
Mess Advance	900.00	
Total	1185.00	55.00

Actual mess bill will be calculated on month to month basis. At present it varies between Rs.400 per month to Rs.450 per month.

Students who are required to stay in the Hostel beyond the first or second term, for genuine reason, under special circumstances will be charged @ Rs.11.00 per month (Rent plus elect./water charges).

In other cases an occupant will be charged at the rate of Rs.1 per day.

At any time during the course, a student may be required to pay additional deposits or fees to cover increased cost.

For all enquiries regarding Hostel accommodation, candidates should contact the Hostel office in West Hostel.

10. FEE CONCESSION, SCHOLARSHIPS, FINANCIAL ASSISTANCE, MEDALS, PRIZES ETC.

(1) Each session, full-freeships and Half-freeships to 10 percent of the students on rolls in each course will be available on grounds of merit-cum-means. Students are advised to be on the look out for the notices, asking for application for the award of these freeships.

(2) Scheduled Caste/Scheduled Tribe students are entitled to Fee Concessions subject to the fulfilment of certain conditions.

(3) Every student admitted to M.E. full time Course will be awarded a Scholarship of Rs.1800p.m. from the date of admission or commencement of instructions whichever is later, for a maximum period of 18 months subject to the rules made in this respect. Qualifying in GATE is essential. These students will be required to undertake teaching assistance of B.E. classes to a maximum extent of 8 to 10 hours per week. They are also entitled to Rs.3000/- contingent grant per annum.

(4) Some limited financial assistance is made available by University Grants Commission to really needy students towards mess charges, fees, books, clothing, etc. This is disbursed on the recommendations of a Committee set up for the purpose in the college.

(5) Following scholarships are awarded annually by the University of Delhi.

(i) Pandit Man Mohan Nath Dhar Scholarship, not exceeding two in number, of the value of Rs.100p.m. each to the deserving and needy students studying in the University in the undergraduate classes.

(ii) Inder Kohli And Anand Kohli Memorial Scholarships, two in number each of the value of Rs.100 p.m. to the needy and deserving students who pass the Senior School Certificate Examination, New Delhi, or equivalent in first division and join any one of the first degree courses in the Faculty of Technology.

(iii) Man Mohan Krishan Kaul Scholarships, each of the value of Rs.100 p.m. to the deserving and needy students who join the first year of the B.E. Elect/Electronics/Mech./Civil Courses. The number of scholarships is likely to vary from year to year.

(iv) Smt. Savitri Agnihotri Scholarships, two in number of the value Rs.100 p.m. each to the needy and deserving students who join 1st degree course in any branch in the Faculty of Technology in Delhi College of Engineering (income ordinarily not exceeding Rs.750 p.m.)

(6) Merit And Merit-cum-Means Scholarships:

The college awards the following:-

(i) Merit Scholarships of the value of Rs.100 per annum each payable in lumpsum, with exemption from tuition fees for the full session and a merit certificate.

(ii) Merit-cum-Means Scholarships of the value of Rs.75.00p.m. each with exemption from tuition fees for the full session. The total number of the above mentioned scholarships in a year will be limited to 25 percent of the total number of student on rolls in the college during the year.

(7) Students are also entitled to the scholarships offered by the respective States/Union Territories under the National Scholarship Scheme of the Government of India.

(8) Students may also apply to the respective State Government, wherever applicable, for loans for pursuing their studies.

(9) (i) **Medals**

(a) The following gold medals are awarded by the University of Delhi:

(i) L. Jogeshwar Nath Gold Medal to the best candidate in Technical Education.

(ii) Rai Sahib Pt. Shri Ram Sharma Memorial Gold Medal: To the candidate who obtains the highest percentage of marks amongst successful candidates for the B.E. Civil Engineering Examination obtaining a first class.

(iii) Shri D.V. Kohli Memorial Medal: To the best candidate who secures the highest percentage of marks amongst successful candidates for the B.E. Electrical Engineering Examination, obtaining a first class.

- (iv) Engineering Projects India Ltd. Gold Medal: To the best candidate who secures highest marks in the B.E.Elect.Engineering (Electronics) Examination.
- (v) Babu Ganpat Rai Gold Medal: To the best candidate from amongst the successful candidates for all the M.E. Elect./ Mech./Civil Entineering Examinations taken together in a particular year.
- (b) The college awards every year a Gold Medal known as the "Lt. Governor's Gold Medal" to an outgoing student of the final year adjudged the Best Student of the year on the basis of all round competence.

(ii) Prizes

- (a) Banco Foundation prize: To the best candidate who secures the highest marks in the total of two papers in optional groups at the B.E.(Mechanical Engineering)Examination.
- (b) The following Prizes are awarded by the college-
 - (i) Prizes of the value of Rs.50 each for standing first in 'workshop practice' in the I/II B.E. Examinations.
 - (ii) Prizes of Rs.25 each for standing First in a Paper/Subject in the I/II/III/IV B.E. Examinations
 - (iii) A prize of Rs.100 for standing First in 'project work' in the final year examination.

Any amount pertaining to refund of fee, stipend, Merit Scholarship, Merit-cum-Means Scholarship, prizes, if not claimed by the students within the prescribed period, will be remitted back to the pay and accounts officer concerned and the same will not be redrawn whatsoever the reason may be.

IMPORTANT ACADEMIC RULES

1. Every student should always carry on person the Identity Card to be supplied by the Institution on submission of two copies of Photograph(passport size/front pose) immediately after admission and re-endorsed each session. This will help him/her establish his/her identity on public transport, for drawing prizes and scholarships, for receiving money orders and postal articles etc.

2. Every student must keep at least 75% percent attendance separately in Lectures including tutorial, and practical classes.

For assessing the candidate, periodical tests, assignments and quizzes are conducted. In case of B.E.Tech/M.E./M.Sc App. Phy Courses these marks constitute years work marks.

For B.E.Tech/M.E./M.Sc.Applied Physics students:

In case the attendance requirement is not met with and or the minimum year work marks are not secured even in one subject, the student will be detained in the same class. He/She will have to study the semester/year again whenever taught.

For B.E. Students:

The registration of the student stands cancelled if he/she fails to keep the attendance requirement. There are no separate years work marks in case of B.E. students in the new examination scheme in force since 1990-91 session. In this scheme the candidate is required to score a minimum of 40 percent marks in each subject failing which he is to study that subject as and when offered. He is further required to abide by the rules and regulations governing this examination scheme.

3. Educational tours to factories, mills, workshops and the other places of interest are arranged periodically and Government also contributes to some extent towards the travelling expenses of the students. As these tours are of great educational value, it is compulsory for every student to undertake them according to the programme fixed by the institution. On return, a comprehensive report on the tour is to be submitted by the student, which will be evaluated like other class work and will be counted as part of the year's work.

4. Disciplinary action will be taken against any student using unfair means in examination/tests.

5. The good name of the institution depends on students and their conduct in class rooms, play field, functions, hostels and in public places. If any student falls short of gentlemen's code of conduct anywhere, the Principal will enforce discipline by imposing appropriate penalties including rustication from the college.

6. During practical training all students should maintain a day-to-day record of their work and observations in the prescribed practical Diary.

7. At the time of admission every students shall be required to sign a declaration. "I submit myself to the disciplinary jurisdiction of the Vice-Chancellor and the several authorities of University, who

may be vested with the authority to enforce discipline under the Act, the Statutes, the Ordinances and the rules that have been framed by the University."

Admission to the College implies acceptance by the student and by his/her parents/guardian of all provisions given in the College Prospectus, University Calender or any changes in University/College rules, regulations, statutes, ordinances, examination schemes, syllabii, fee, etc. that may be made from time to time.

8. A student who has been admitted to the B.E. Course after passing the Senior School Certificate Examination or its equivalent, will have to acquire atleast 25 credits by the end of two semesters failing which he will be required to discontinue the studies.

9. Every student will have to make over to the institution at his/her own cost, a typed copy of his/her project report/thesis/dissertation with illustrations as required for various University Examinations. This will remain the property of the Institution.

12. COMPUTER CENTRE

The college has a main frame computer ICIM 6080 with 4 Mb memory and 16 terminals. This system is being enhanced. There is a computer centre in Mathematics Department and several PC/XTs are provided in various departments.

Computer programming is an integral part of B.E., M.E. and M.Sc (Applied Physics) Courses. Besides these regular courses in programming, the systems are available for research and development work.

13. PHYSICAL EDUCATION AND SPORTS

Physical education and sports, which play a vital role in achieving the aims and object of Education, are regarded here as a Co-Curricular activity. The students in the college are provided enough scope for taking part in different games and sports. They are also given chance to organise athletic and other social and cultural activities so that the students may come out successful not only in their professional lives but also develop leadership qualities through these activities.

The college has arrangements for most of the major games for both boys and girls. In addition to the day-to-day practice in different games, Interclass, Inter-Departments and Inter-Year matches are also held. The college teams participate in most of the Inter-College

Tournaments of the University of Delhi. Blazers, special prizes and certificates of merit are awarded to outstanding sportsmen and organizer.

14. CO-CURRICULAR ACTIVITIES

Students are expected to take an active part in all Co-Curricular activities organised by the College. These aim at securing an all round development of the physical and mental faculties and provide an opportunity for use and application of the many sided talents of the students. The students societies conduct the different Co-curricular activities under the guidance of the member of staff.

The Students Association is responsible for all social, cultural and literary activities, e.g. College function, entertainment, debates, essay competitions and exhibitions. Departmental Association (for organising lectures, paper reading seminars, etc.) Debating Society, Hindi Parishad, also organise several activities .

Technarc, the College magazine is normally issued once a year and carries articles in Hindi and English, both of general and technical nature, from the staff and students of the College.

15. LIBRARY

The college has a well-stocked Library containing up-to-date books, journals and other technical literature. The Library is open for reference and study during the normal college working hours. In addition to the main library, the departmental libraries, mainly financed by the students themselves, are open for reference and study.

16. BOOK BANK

1. The College runs a Book Bank (under the UGC Book Bank Scheme)intended to assist students, from the economically weaker sections of society, by giving text books on loan to deserving students for a whole academic session according to the rules framed for the purpose.

2. The college also runs a Book Bank specially meant for Scheduled Caste and Scheduled Tribe students who can borrow books from the Bank for a whole academic session according to the rules framed for this purpose.

17. PLACEMENT

Matters relating to the employment of our students are looked after by the Department of Training and Placement headed by a Professor. The demand for our graduates has always been very high and about 80% of the students get job through Campus Interviews by the time they have taken their final examination.

Presently we receive every year Campus Selection teams from over 45 leading organisations in the country, who visit us regularly for recruiting their engineers from among our Final Year Students.

THE FACULTY PRINCIPAL

Professor P.B. Sharma,

B.E. (Mech.), Gold Medallist, M.Sc. (Engg.) Ph.D. (Birmingham, U.K.)

Departments of Electrical, Electronics & Communication and Computer Engineering

PROFESSORS

P. Kundu

(Electrical Machines)

B.E.E., M.Sc., Ph.D., F.I.E. (India)
Sr.M.I.E.E.E.(U.S.A.), M.I.E.E. (U.K.)

B.N. Mishra

On lien

B.Sc.(Engg), M.Sc.(Engg.), Ph.D.
M.I.E.E., M.I.E.T.E.

V.R. Moorthi

*(Controls, Instrumentation
& Power Electronics)*

B.Sc., B.E., M.Tech., Ph.D

C.L. Wadhwa

(Power Systems)

B.E.(Hons), M.E., Ph.D., M.I.E.(India)

S.P. Mathur

(On leave)

B.Sc., D.E.R.E., M.A.Sc., Ph.D.

D.Roy Choudhury

(Electronics)

M.Tech., D.Phil.

A.K. Sinha

(Communication & Microwave)

B.E., M.Sc.(Engg.), Ph.D, M.I.E.T.E.

J.K. Das

(Electrical Machines)

B.E., M.E., Ph.D., M.I.E. (India)

ASSISTANT PROFESSORS

A.K. Tandon (<i>Electrical Machines & their Controls</i>)	B.Sc., B.Sc.(Engg.), M.Tech., Ph.D., M.I.E.E.E.(USA) M.I.E.(India), L.M.I.S.T.E.(India), Chancellor's Medallist
Kartar Singh (<i>On deputation</i>)	B.E., M.Sc.(Engg.)
Ashok Bhattacharya (<i>Digital Electronics</i>)	M.Tech., D.I.R.E., Ph.D., M.I.E.E.E.(U.S.A.), F.I.E.T.E.(India)
G.G. Bhise (<i>On leave</i>)	B.E., M.Sc.(Engg.), M.I.E.(India) M.I.E.T.E.(India), M.I.S.T.E.
P.R. Chaddha (<i>Electronics</i>)	B.E.(Hons.), M.Tech.
I.Mohd. Refeequdin (<i>High Voltage</i>)	B.E., M.Sc.(Engg.)
Parmod Kumar (<i>Power Systems</i>)	B.Sc.(Engg.), M.E., Ph.D.
N.K. Jain (<i>Power Systems</i>)	B.Sc.(Engg.), M.Sc.(Engg.), Ph.D.
LECTURERS	
B.M. Doshi (<i>Power Electronics</i>)	B.E., M.Sc.(Engg.)
Shail Bala Jain (<i>Electronics</i>)	B.Sc.(Engg.), M.Tech.
D.C. Kulshreshtha (<i>Electronics</i>)	B.Tech.(Hons.), M.Sc.(Engg.)
Shiva Sharma (<i>Computer Software</i>)	B.Sc.(Engg.), M.E.
D.R. Bhaskar (<i>Analog & Integrated Circuits</i>)	B.Sc., B.Tech., M.Tech.
Neeraj Kumar Bhagat (<i>Control Systems</i>)	B.Sc.(Engg.), M.Tech., A.M.I.E.(India)
Mini Thomas (<i>Power Systems</i>)	M.Tech., A.M.I.E.(India), M.I.S.T.E.
Uma Balaji (<i>Electronics</i>)	M.E.

Uma Nangia
(Control Systems)

M.E.

K. Anil
(Computers)

B.Tech., M.E.

Mechanical Engineering Department

PROFESSORS

Y.V.S.R. Sastry
(Thermal Engineering, Power Plants)

B.E.(Hons.), M.E., Ph.D., M.I.E.(India)

N.L. Sachdev
(Machine Design & Fracture
Mechanics)

B.E., M.Tech., M.I.E.(India)
M.I.S.M.E., M.I.S.T.E.

O.P. Grover
(Machine Design &
Metal Forming)

B.E., M.Tech., Ph.D., F.I.E.(India)
M.I.S.M.E., F.I.I.E.T., M.S.I.V.A.M.

D. Venkateshwarlu
(Hydrodynamic Stability
Fluid Mechanics)

B.E., M.Tech, Ph.D.

T.D. Sachdeva
(Vibrations, Machine Dynamics)

B.Sc.(Engg.), M.E., Ph.D.

U.C. Jindal
(Composite Metals & Stress Analysis)

B.E., M.Tech., Ph.D.

R.C. Sachdeva
(Fluid Mechanics & Optimisation)

B.Sc.(Engg.), M.Tech.,
Ph.D. (Liverpool), F.I.E. (India)

R.P. Kapoor
(Thermal Engg., Gas Dynamics)

B.Sc., B.Sc.(Engg.), M.E.

ASSISTANT PROFESSORS

S.S. Saluja
(Mechanics of Solids)

B.E.(Hons.), M.Sc.(Engg.)

A.K. Tayal
(Finite Element Analysis)

B.E., M.Sc.(Engg.), Ph.D.

V.S. Susarla
(I.C. Engines)

B.Sc.(Engg.), M.M.E., Ph.D.

R.K. Bansal
(Fluid Mechanics)

B.Sc.(Engg.), M.Tech.(Hons.), Ph.D.
M.I.E.(India)

M.K. Aggarwal
(Thermal Engineering,
Refrigeration)

N.D., M.Tech., Ph.D., M.I.E.(India)
M.I.S.M.E., M.H.M.T.S.I.

J.S. Barar (Rotor Dynamics, Vibrations)	B.E., M.E., Ph.D.
N.K. Garg (Tribology)	B.E.(Hons), M.E.(Hons), Ph.D.
A.K. Saluja (Thermal Engineering, Refrigeration)	B.Sc., B.E., M.Sc.(Engg.)
O.P. Sharma (Industrial Engg.)	B.Sc.(Engg.), M.Sc.(Engg.)
V.K. Sethi (On study leave)	B.Sc.(Engg.), M.Sc.(Engg.)
V.K. Mahna (Instrumentation Kin. of Machines)	B.Sc., (Engg.), M.Sc.(Engg.) M.I.S.M.E.
B.D. Pathak (On study leave)	M.Sc.(Engg.)
R.S. Khanduja (Thermal Engineering)	B.E.Tech., M.Sc.(Engg.)
J.S. Kalra (on study leave)	B.Sc.B.E.(Hons), M.Sc.(Engg.), M.I.E.(India), M.I.S.T.E.
LECTURERS	
Sharat Kumar (Production Management)	B.Tech.(Hons)
V.K. Gupta (Metallurgy & Welding)	B.Sc.(Hons), B.E.Met, M.Tech (Prod.Engg.)

Civil Engineering Department

PROFESSORS	
M. Paldas (Structural Engg.)	M.E., Ph.D., P.R.S. (Mouat Medallist), M.I.E.(India)
S.K. Mazumdar (on leave)	B.E., M.Tech., Ph.D., M.I.E.(India) M.I.A.H.R.
A.F.S.A. Aowl (Environmental Engg.)	M.E., D.I.C., M.Sc.(Engg.), Ph.D., M.I.W.W.E.
Arun Kumar (Water Resources Engg.)	M.Sc.(Engg.), Ph.D.

H.S. Bhatia
(*Environmental Engg.*)

B.E.(Hons), M.E., Ph.D., M.I.E.
M.I.W.P.U.F.

ASSISTANCE PROFESSORS

N.M. Patel
(*On deputation*)

M.E., Ph.D.

D. Goldar
(*Structural Engg*)

B.E., M.Sc.(Engg.), Ph.D.,
M.S.E.M.(USA)

G.L. Pamnani
(*Building Sciences*)

M.E.

M.P.S. Mahandroo
(*Geology*)

M.Sc.(Hons), Ph.D.

Rakesh Mehrotra
(*On study leave*)

M.Tech.

A.S. Anand
(*Structural Engg.*)

N.D., M.Sc.(Engg.)

LECTURERS

K.V. John (*Structural Engg.*)

M.Sc.(Engg.), Ph.D.

A.K. Bhatwadekar
(*Geotechnical Engg.*)

B.E., M.E.

A.K. Gupta
(*Structural Engg.*)

B.Tech., M.Sc.

M.L. Kansal
(*Water Resources*)

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

Production & Industrial Engineering Department

PROFESSORS

R. Prakash
(*Metal Forming Prod. Systems*)

B.Sc., B.Sc.(Engg.), M.Tech., Ph.D.,
F.I.E.(India), M.I.S.T.E., M.I.S.M.E.,
M.S.I.V.A.M.

A.S. Sachdeva
(*Metal Forgings,
Prod. & Ind. Engg.*)

B.Sc.(Engg.), M.Tech., Ph.D.,
M.I.E.(India), M.I.S.M.E.

B.P. Bandhopadhyaya
(*Foundry Technology,
Prod. & Ind. Engg.*)

B.M.E., M.Tech., Ph.D.

ASSISTANCE PROFESSORS

S.C. Gandhi
(Prod. & Ind. Engg.) B.Sc.(Engg.), M.Sc.(Engg.), M.I.S.M.E.

Sunil Pandey
(Welding Technology
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A.B. Mathur
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Atish Mazumdar
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(Physico-Inorganics)

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G.K. Saxena
(Chemical Kinetics)

M.Sc. D.Phil.

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(Physical Chemistry)

M.Sc.

K.K. Dhawan
(Organic Chemistry)

M.Sc.

R.C. Sharma
(Electro-Chemistry, Solution
Chemistry, Molten Electrolytes)

M.Sc., Ph.D.

A.P. Gupta
(Ion Exchangers)

M.Sc., M.Phil, Ph.D., F.I.C.S.

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B.M.E., M.Sc.(Engg.), M.I.E.

Computer Centre

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Daya Gupta

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Dr. R.C. Sharma

Chemistry Department

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Smt.. Shanti Kapoor
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B.S. Verma (Account Officer)

D.R. Mishra (Stores Officer)

R.C. Hans (Junior Accounts Officer.)

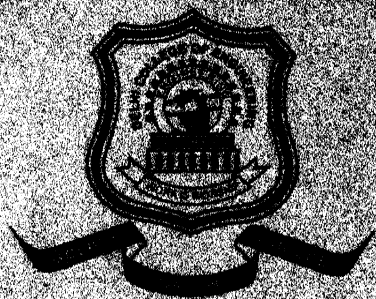
J. D. Sharma (Office Supdt.)

M.A., S.A.S.

M.Com.

B.Sc., S.A.S.

B.Sc., M.A. (Eco)



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PRINCIPALS

Name	Tenure
1. Prof. W.W. Wood	Jan. 1941 to Aug. 1946
2. Prof. R.G.P.S. Fairbairn	Sept. 1946 to Sept. 1949
3. Prof. S.C. Sen	Sept. 1949 to Dec. 1966
4. Shri S. Ainul Abidin	Jan. 1967 to Jan. 1968
5. Prof. J.N. Moudgill	Feb. 1968 to April 1971
6. Shri T.S. Murty	May 1971 to Jan. 1972
7. Prof. R.C. Narayanan	Feb. 1972 to May 1980
8. Prof. M.L. Mandal	June 1980 to July 1989
9. Prof. M. Paldas	Aug. 1989 to Dec. 1990
10. Prof. P.B. Sharma	Dec. 1990