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DELHI COLLEGE OF ENGINEERING
(Formerly Delhi Polytechnic)
Kashmere Gate, Delhi-110006

PRINCIPAL : Prof. M.L. Mandal

Chairman, Advisory Committee
EXECUTIVE COUNCILLOR (EDUCATION)
DELHI ADMINISTRATION
DELHI

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1. INTRODUCTION :

Delhi College of Engineering which provides instruction for the undergraduate and post-graduate courses of the University of Delhi in Electrical/Electronics & Communication/Civil/Mechanical Engineering disciplines and post-graduate courses in Applied Physics and Polymer Technology has had a very chequered history of more than 40 years.

Starting in 1941 as Delhi Polytechnic, it has pioneered many important projects in technical education and through this process has steadily grown to its present position as a premier Engineering College in the country.

The educational philosophy of the institution is based on the realization that in this mechanised age, man must not only use technology increasingly as aid to living, but he must also cultivate the sensitivity to appreciate spiritual, moral and aesthetic values so as to make his life fuller and richer. Conceptual skills are much more important than technical skills and human relations have a precedence over handling machines. Therefore, the curricular and co-curricular activities have been so designed that they include a fair share of sciences, technology, arts and humanities.

Although in educational matters, it takes a long time to achieve the objectives, yet it is a matter of great satisfaction that the alumni of this institution have more than justified our aspirations by their professional competence and their good citizenship. With its crop of more talented young students than ordinarily found in an educational institution, each batch of students have established a standard over which the successive groups have consistently improved with the result that out of over 8000 students that have passed out so far from this institution in various professional fields, many are occupying

high positions of responsibility and distinction in Industry, Government, Defence, Education and Research Organisations, both within the country and abroad.

2. COURSES OF STUDY :

The Institution admits students to the following courses of the University of Delhi :—

2.1 DEPARTMENT OF ELECTRICAL ENGINEERING AND ELECTRONICS & COMMUNICATION ENGINEERING

The ever increasing demand for electric energy, faster and novel means of audio and video communication systems, and the increasing use of effective control 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, electro-magnetic 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, Electri-

cal 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. Under the P.G. Programme the Department offers course in :

- (i) Controls and Instrumentation
- (ii) Advanced Electronics and Communication
- (iii) Power Apparatus and System.

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 (Refer Clause 8.7).

2.1.1 UNDER GRADUATE COURSES

- (i) B.E. (Electrical) of 4 years' duration
- (ii) B.E. (Electronics and Communication) of 4 years duration.

2.1.2 POST GRADUATE COURSES :

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

- (i) Controls and Instrumentation
- (ii) Electronics and Communication
- (iii) Power Apparatus and Systems (Part time only).

2.1.3 RESEARCH FACILITIES :

Facilities exist for registration for Ph.D. in certain specialised fields.

One Fellowship for Ph. D. research is available.

2.2 DEPARTMENT OF MECHANICAL ENGINEERING :

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

In addition to the basic and engineering sciences like Mathematics, Physics, Chemistry, Graphics, Electro-techniques, 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) Production Engineering and (iii) Design.

The Department has well-equipped laboratories e.g. Instrumentation and Experimental Stress Analysis Laboratory, Strength of Materials Laboratory, Fluid Mechanics Laboratory, Metrology Laboratory, Metal Cutting Laboratory, Internal Combustion Engines Laboratory, Refrigeration and Air-Conditioning Laboratory and Automotive Engineering Laboratory etc. The College has also well-equipped Workshops.

2.2.1 UNDER GRADUATE COURSES :

B.E. (Mechanical) of 4 years' duration.

2.2.2 POST GRADUATE COURSES :

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

- (i) Production Engineering
- (ii) Thermal Engineering.

2.2.3 RESEARCH FACILITIES :

Facilities exist for registration for Ph. D. in certain specialised fields.

One Fellowship for Ph. D. research is available.

2.3 DEPARTMENT OF CIVIL ENGINEERING :

Civil Engineering is the science of utilising the natural resources for the use and convenience of man. It concerns itself, therefore, with the planning, design and construction of buildings and roads, canals, aqueducts, ports and harbours, dams and reservoirs, water supply and sewage disposal, irrigation and power schemes etc.

Besides the basic and engineering sciences, the curriculum in Civil Engineering lays emphasis on design of structures, communications, irrigation, environmental engineering and hydraulics.

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 in the final year 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.

The Post-graduate curriculum prepares the students for 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 the 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. Public Health Engg. and Hydraulics.

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

2.3.1 UNDERGRADUATE COURSES :

B.E. (Civil) of 4 years' duration.

2.3.2 POSTGRADUATE COURSES :

Three Semesters' Full time M.E. Civil Engineering courses in :

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

2.3.3 RESEARCH FACILITIES :

Facilities exist for registration for Ph.D. in certain specialised fields.

2.4 DEPARTMENT OF PHYSICS :

2.4.1 POST-GRADUATE COURSES :

Three years 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, Solid State Devices, Nuclear Physics (theoretical and applied), Applied Optics, Instrumentation including Industrial Ultrasonics and Vacuum Techniques. The department has Laboratory facilities in these areas.

2.4.2 RESEARCH FACILITIES :

Facilities exist for registration and research leading to Ph.D. Degree in Physics/Applied Physics in certain specialised fields.

2.5 DEPARTMENT OF CHEMISTRY :

2.5.1 POST-GRADUATE COURSES :

Three semesters' Full-time/Five Semesters' Part time (Day) M.E. Course in Polymer Technology.

The Master's of Engineering course in Polymer Technology has been specifically designed for Engineers/Technologists/Scientists with research, development, manufacturing and management responsibilities in the industries. Its aim is to provide to the students a profound education as well as methodical preparation for their own research, educational or industrial activities. Special emphasis is however laid on advanced processing concept and design development-computer-aided plant design and fabrication technology, polymer processing and polymerisation engineering, property estimation and modelling, research with prototyping micro-processor based control.

2.5.2 RESEARCH FACILITIES

The department is well-equipped with modern laboratories related to Polymer Processing, Testing, Specifications, Synthesis and Characterization. Facilities exist for registration for Ph.D. in certain specialised fields.

3. PROCEDURE FOR OBTAINING APPLICATION FORM

The admission to B.E. courses in Delhi College of Engineering & Delhi Institute of Technology is based on the common application form which can be obtained as given below. However for the detailed information regarding Delhi Institute of Technology the candidates are advised to contact the Principal, Delhi Institute of Technology, Kashmere Gate, directly.

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. 8 in cash at the College fee 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 the size 10 cm \times 5 cm containing the address to which the application form is to be sent. Candidates asking for application form by post must write on the top of the envelope "Request for Application Form for B.E./M.E./M.Sc. (Applied Physics) Course". The request by post should reach the College on or before 20-6-87 Requests received after that date may not be entertained.

4.1 B.E. COURSES

The college offers the following B.E. Courses of 4 year duration.

(i) B.E. Civil Engineering	70 seats
(ii) B.E. Electrical Engineering	70 seats
(iii) B.E. Electronics & Communication Engg.	40 seats
(iv) B.E. Mechanical Engineering	100 seats
(v) B.E. Production and Industrial Engg.	*
(vi) B.E. Computer Engineering	*

4.1.1 EDUCATIONAL QUALIFICATIONS :

Candidates passing any one of the following examinations and securing 60 per cent (55 per cent for SC, ST, and Defence quota) or more marks in the aggregate of Physics, Chemistry and Mathematics shall be eligible for admission to the Bachelor of Engineering (Electrical, Electronics and Communication, Mechanical, Civil) Courses, 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.

*The starting of courses listed at (v) and (vi) above and consequential changes in the distribution of seats in various courses is subject to the approval of the authorities.

- (iv) B.Sc. (Hons.) Examination in Physics, Chemistry and Mathematics of the University of Delhi with combinations of Physics, Chemistry and Mathematics and equal weightage to the subsidiary subject or equivalent examination.
- (v) Intermediated examination of any Indian University/ Board recognised by the University of Delhi.
- (vi) Pre-University (2-year course) Examination of an Indian University/Board recognised by the University of Delhi or equivalent examination.
- (vii) Any other examination recognised as equivalent to the Senior School Certificate Examination of the C.B.S.E. by the University of Delhi.

The candidate must have also studied English (Core or Elective) either at the X Class level or at XII Class level and passed at public examination in that subject.

NOTE :

- (1) An applicant who has passed the Senior School Certificate or an equivalent Examination with General Science or Physical Science, but not separately in Physics and Chemistry, will be required to take a qualifying test of the Senior School Certificate examination standard in separate papers in these two subjects to be held in July/August, 1987. Qualifying marks shall be 60 per cent separately in each paper.
- (2) An applicant who had to leave an Engineering Degree Course or an equivalent Course, after exhausting the permissible number of chances, will not be eligible for admission to B.E. Course.

- (3) Physically handicapped candidates will be given an additional weightage upto a maximum of 10 per cent of marks by the University of Delhi, after a medical examination, See page 16 Item 2(c).

Improved performance will be considered for admission purposes. For placing the candidate on merit list, the highest marks shall be considered, irrespective of whether these marks are obtained in the first or subsequent attempts.

4.1.2 RELAXATION IN MARKS FOR RESERVED CATEGORY :

Candidates belonging to the following categories, who apply for seats reserved for them as shown at 4.1.5 (A) and (B), shall be allowed a concession of 5 per cent marks in the minimum eligibility requirements for admission :

- (a) SCHEDULED CASTES/SCHEDULED TRIBES :

However, in case after giving 5 per cent relaxation, the reserved seats still remain vacant, further relaxation will be given to the extent required in order to fill-up all the reserved seats.

- (b) The children and/or widows of Armed Personnel killed/disabled during hostilities.

However, if any seat remains vacant after admission of the candidates of the above category, the widows and children of officers/men of armed forces including paramilitary personnel who die while on duty will be considered for admission against the reserved seats.

4.1.3 AGE REQUIREMENTS :

Applicant must be 17 years of age on or before the first October of the year in which he/she seeks admission. Relaxa-

tion in age up to 6 months only with the approval of the Vice-Chancellor, is permissible. Candidates who are short in age by more than six months are not eligible for admission.

4.1.4 REGION-WISE ALLOCATION OF SEATS :

The total seats earmarked for the B.E. Courses shall be allocated region-wise as follows (See 4.1.6 for details).

Category (i) For students passing from Institutions in the Union Territory of Delhi.	75 per cent
Category (ii) For students passing from Institutions in Centrally Administered Territories (other than Delhi). Union Territories and States where Engineering Colleges are not located.	5 per cent
	These seats are allocated prorata on the basis of population to the extent practicable.
Category (iii) For students, passing from Institutions other than those mentioned in (i) ; (ii) above.	20 per cent
	These seats are allocated prorata on the basis of population to the extent practicable.

Under category (iii), 1 seat will be filled from the candidates of Indian origin having passed the qualifying examination from an Institution abroad.

NOTE :

- (1) The criteria 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), (ii) and (iii) above is open to Indian Nationals only.

4.1.5 RESERVATION :

The aforesaid allocation of seats carries the following reservations :

- (A) For Scheduled Castes, 15 per cent, and for Scheduled Tribes, 7 per cent of the total seats in each course against all the categories at (i); (ii) and (iii) above.
- (B) 5 per cent of total seats under category : (i) in each course for Children/Widows of Armed Personnel/ Para Military Forces of Delhi, 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.

- (C) One seat under category (iii) for Wards/Children of India-based staff posted at Indian Missions abroad.

Nominations against this seat will be made by the Ministry of External affairs, New Delhi.

- (D) 7 seats (Electrical-2/Electronics and Communication-1, Mechanical-2, Civil-2) over and above the normal intake are reserved for students from friendly and developing countries. Nominations against these seats will be made by the Government of India.
- (E) Three seats (one each in Electrical or Electronics and Communication, Mechanical, and Civil Engineering) under category : (i) are reserved for outstanding sportsmen in games recognised by the University of Delhi for Inter-college Tournament and will be filled through the following procedure.
- (i) The admission on the basis of sports shall be finalised by the College on the recommendations of a Committee (consisting of the Principal, the Director of Physical Education and some teachers and students associated with sports) to be constituted for the purpose.
 - (ii) The Committee shall screen the applicants through an interview and ascertain their competence through an actual trial on sports-field.
 - (iii) The following will be the order of preference in the selection of the candidates for admission on the basis of sports :
 - (a) Represented India in any event/game during the last three years.
 - (b) Secured 1st or 2nd or 3rd position in any event/game in Jr. National Level Tournament/Inter-University Tournament during the last three years.

- (c) Secured 1st or 2nd or 3rd position in any event/ game in National School Games/Zonal Inter University/Zonal National games during the last 3 years.
- (d) Secured 1st or 2nd or 3rd position both in individual and team event in All India Rural Sports/All India Public School games during the last 3 years.
- (e) Secured 1st or 2nd or 3rd position in any event game in the State Schools Championship during the last 3 years.

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

4.1.6 DETAILED ALLOCATION OF SEATS : For Delhi College of Engineering (1987-88)

Category	State	Reservations	Code	Total In case of vacancies the seats are diverted to stage-I, failing that to Stage-II		
				seats	seats	
1		2	3	4	5	6
				Stage-I	Stage-II	
(i) Delhi		General	DG	148		
		Scheduled Castes (SC)	DC	32	DT	DG
		Scheduled Tribes (ST)	DT	16	DC	DG
		Sports	DS	3	DG	
		Defence	DD	11	DG	
		Total		210		

1	2	3	4	5	6
(ii) Meghalaya Manipur	General	VG XG	3 3	Intertrans- ferable on	
Nagaland & Arunachal Pradesh		YG	3	the basis of Combi-	
Sikkim, Mizoram Andaman & Nicobar				ned merit U G	DG
Dadra & Nagar Haveli Lakshadweep Daman & Diu		ZG	2		
all states in (ii)	SC ST	UC UT	2 1	UT UC	UG UG
		Total	14		
(iii)	General				
Andhra Pradesh		CG	3	Intertrans-	
Assam & Tripura		AG	1	ferable on	
Bihar		BG	4	on the basis	
Gujarat		GG	2	of combined	
Haryana		HG	1	merit OG	
Himachal Pradesh & Jammu & Kashmir		JG	1		
Karnataka, Goa		KG	2		DG
Kerala		LG	2		
Madhya Pradesh		MG	3		

1	2	3	4	5	6
Maharashtra		NG	4		
Orissa		EG	2		
Punjab & Chandigarh		PG	1		
Rajasthan		RG	2		
Tamilnadu & Pondicherry		TG	3		
Uttar Pradesh		SG	7		
West Bengal		WG	3		
Passed from schools abroad		FG	1		
All states in (iii)					
Jammu & Kashmir,	SC	JC	3	JT	
Himachal Pradesh,	ST	JT	1	JC	
Punjab, Channigarh, Haryana, Rajastan, Gujrat, Maharashtra					Intertrans- ferable on the basis
Madhya Pradesh, Uttar Pradesh	SC	MC	2	MT of combined MC merit as	
Assam, Tripura, West Bengal, Bihar, Orissa	SC	AC	2	MT OC/OT and AT then to OG	
Andhra Pradesh, Tamilnadu, Pondicherry, Karnataka, Goa, Kerala	SC	CC	2	CT	
		ST	1	CC	
Indian Missions Abroad		IM	1	OG	DG
		Total	56		
		Grand Total	280		

Procedure for diversion of New Delhi Seats is given in 4.1.10

For detailed allocation of seats in Delhi Institute of Technology, candidates are advised to contact the Principal, Delhi Institute of Technology direct.

As a matter of information, the Delhi General candidates are advised to note that the PCM percentage of the last candidate admitted in Delhi General quota during 1986-87 admission was 90.67 per cent.

4.1.7 INSTRUCTIONS TO THE APPLICANTS OF B.E. COURSE FOR FILLING APPLICATION FORM.

General :

- (i) Read the entire instructions fully before filling the form. For filling Summary Card read the instructions given on the Card.
- (ii) Use block letters only in filling the application form.
- (iii) Complete all columns.

Your application is liable to be rejected, if any of the items is unfilled or incomplete.

- (iv) Wherever boxes are provided, entries are to be made in the boxes.
- (v) Avoid over writing & Crossing.

The instructions are given item-wise as given in the Application Form.

1. Write your full name as given in School/College records. Write complete postal address with Pin Code.

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 the candidate has passed the examination on the basis of which he/she is seeking admission. Based on the location and reservation if any, identify the appropriate two letter code (Example DG, DC, etc.) given in the 3rd column of the table listed under clause 4.1.6. Write the code properly. See also item 4 below :

(b) Write R.A. if the results of the qualifying examination are still awaited. (Read also 4.1.8)

(c) Physically handicapped candidates must write **HANDICAPPED** in the box provided and also encircle the two letter code item 2(a) with **RED INK**.

2. (a) Tick the appropriate box.

(b) Indicate the Religion.

(c) Indicate the Nationality.

4. Write the name of the examination on the basis of which you are seeking admission. In case you have passed more than one examination listed under clause 4.1.1, you may select the better of the two results.

5. Write the name of the Board/University which conducted the examination stated at 4.

6. Write the name of the State or Union Territory where the School/College from which you passed the examination at 4 is located.

7. (a),(b) & (c) You should note that you are not required to submit any copy of the marksheet etc.

You should calculate the percentage of marks secured in Physics, Chemistry and Mathematics, correctly rounded to two decimal places.

Some Boards/Universities conduct the Examination listed at item 4 above in Parts and the total marks of the Part I, Part II etc. are considered for the classification of Result. In such a Case, use those marks only on the Basis of which the Board/University Classifies the Result and Awards the Division, for filling item 7 a, b, c, d and e.

In case where the practical marks are given separately and they are counted towards the aggregate by the Board/University combine the theory and practical marks and then calculate the percentage. The application is liable to be rejected if there is any error.

Candidates applying for seat in categories (ii) & (iii) should note that if the result of the qualifying examination is not yet available, you should leave the item blank.

(d) PCM percentage is calculated upto two decimal places by adding the marks a, b and c as above and dividing the total by 3.

(e) Aggregate percentage means the total which is considered by the Board/University for the purposes of classification of result. In case the Board/University does not declare the aggregate marks, the total of the marks obtained by him/her in the Physics, Chemistry, Mathematics and English will be treated as aggregate marks. However, if English is not taken as a subject, marks secured in any other language will be considered instead.

8. Tick the appropriate box.

9. (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 in terms of 17 years on 1st October, 1987.

10. According to admission requirements, a candidate must have studied and passed English as a subject at X class or XII class level. In case you have passed in English at both the levels indicate the higher class in box.

11. Indicate the preference to the branch by writing branch code No. as given below under the choice numbers.

Branch Code Vo.

Branch

- | | |
|----|---|
| 1. | B.E. Electronics at D.C.E. |
| 2. | B.E. Electrical at D.C.E. |
| 3. | B.E. Mechanical at D.C.E. |
| 4. | B.E. Civil at D.C.E. |
| 5. | B.E. Electronics at D.I.T. |
| 6. | B.E. Computer Engg. at D.I.T. |
| 7. | *B.E. Production and Industrial
Engg. D.C.E. |
| 8. | *B.E. Computer Engg. at D.C.E. |

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, it will be considered 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 the B. E. Course.

A candidate who has paid his fees against an offer of admission in a branch other than the one of his/her first choice will automatically be transferred to the branch next in order of his/her higher preference as indicated in his/her application, as

*Subject to the approval of the authorities.

soon as a seat is available. However, if the candidate desires to continue in the branch allotted at the time of admission, he/she should so confirm in writing to the Deputy Administrative Officer within three days of his/her admission under receipt. Any such request made after wards will not be considered.

Since the admission to BE Courses at DCE and DIT are being done together, the transfer of branches on the basis of preferences may involve the change of institution DCE to DIT or Vice Versa. The students on rolls on 24.8.87 will continue to remain in the same institution. Any upgradation later will be confined to the branches in that institution only.

12. If you are a candidate for M.B.B.S. entrance examination of the University of Delhi, indicate your Roll number. This information is sought for statistical purpose and in no way affects your candidature.

13. Fill the Particulars. If the father is dead write his last address and occupation.

14. (a) Write the name of the Public examination passed prior to XII level along with the month & year of the examination.

(b), (c), (d), (e), Enter the information at the appropriate level.

(f) If you are seeking the admission on the basis of improved performance, you should mention it specifically.

(g) Here you are required to reproduce the mark-sheet as given by the Board/University. If you studied subjects that are not listed, write the title of such subjects also. In case the practical examination marks are shown separately in your original mark-sheet and they are counted towards the aggregate by the Board/University combine theory and practical awards and enter the total marks for the subject.

(h) Aggregate marks on the basis of which the division has been awarded.

15. Write highest examination passed in Hindi alongwith the name of the examining body.

16. This is to be certified by the Principal of the School or College where you studied last. Name and full address of the School/College may be written in hand and seal be affixed at a separate place as shown.

17, 18, 19. Fill the particulars.

20. Income from all sources is to be included.

21. ENCLOSURES :

- (i) Paste a recent passport size photograph at the right hand corner of the application form in the space indicated.
- (ii) If you are applying for any reserved seat, you 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 specimen form of certificate will be found at the end of the prospectus). A list of approved authorities is listed on the reverse of the form.
 - (b) For admission to a seat reserved for Wards/Children/Widows of Armed personnel or Para-Military forces of Delhi killed/disabled in action during hostilities, entitlement card in original issued by the Record Officers of the Unit/Regiment of Armed Personnel of the Armed Forces in case of Armed Personnel or form 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 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) Ist Class Stipendiary Magistrate.
- (c) For admission to a seat reserved for Outstanding Sportsmen category, Certificates in original indicating the proficiency, issued by competent authorities.

22, 23. UNDERTAKINGS :

They should be signed by the candidate and parent/guardian at the appropriate place.

WRITE YOUR NAME AND POSTAL ADDRESS CORRECTLY IN THE SPACE PROVIDED ON THE REVERSE OF THE ACKNOWLEDGEMENT CARD.

4.1.8 ADDITIONAL INSTRUCTIONS FOR APPLICANTS WHOSE RESULTS ARE AWAITED :

- (a) Write "R.A." in the box against item 2 (b) in the Application form.
- (b) Fill in all the items except 5 and 6 of the summary card and 7 and 14 (g) on the Application Form. Under item 14(g), list the subjects with maximum marks in which you have appeared. The Principal may, however, write "Result Awaited" just below the certificate and sign at the usual place.

- (c) As soon as you receive the mark sheet of the qualifying examination, inform Delhi College of Engineering through a telegram, confirmed by post. The format for the telegram should be as follows :-

ENGOL
DELHI

BE APPLICATION NO. CODE.
PASSED (Name of the Examination).
EXAMINATION WITH MARKS PERCENT IN PHYSICS
..... CHEMISTRY. MATHEMATICS
PCM. AGGREGATE.

(Note : All marks should be in per cent rounded upto two decimal places)

(Full name of the candidate as given in the application form)

Note : These results will be considered while preparing any admission list subsequent to the receipt of such communication provided the telegram is received atleast one day before the date of publication of the merit list. (Please see the time schedule in Section 4.1.10). Results received after 20-8-87 will not be considered at all. Please note that it will not be possible for the College to connect up the results unless the telegram are in the above format. College will also not be responsible for any postal delay.

LAST DATE FOR RECEIPT OF COMPLETED APPLICATION FORMS IS 26-6-87 FOR CANDIDATES FROM DELHI (DC, DG, DS, DT) AND 10-7-87 FOR ALL OTHER CANDIDATES.

In each quota the applications will be arranged according to merit on the basis of PCM percentage given by the candidate. If more than one candidate has the same PCM percentage, the aggregate percentage of marks will become the deciding factor. In case the aggregate percentages also happen to be the same, seniority in age will be the criterion for higher merit.

The merit lists will be put up on the notice board as per schedule given in section 4.1.10. Candidates are advised in their own interest to look up the notice board. Individual communications may be sent to the candidates from outside Delhi only, as a matter of courtesy.

Past experience shows that some of the selected candidates do not report for admission. Therefore, it has been decided to call every time candidates more in number than the seats available.

In the case of candidates from outside Delhi, letters will be sent on 6-8-1987 to those candidates likely to be considered for admission subsequently. Only those candidates who reply to such a letter indicating their interest by 20-8-1987 will be called for admission in the subsequent lists.

Admission will be made strictly in order of merit from amongst the candidates present in response to our call. In case more candidates than the number of seats available in that quota, report for admission, the remaining candidates will be placed in the waiting list (except for the final merit list) after they pay the fees, etc. The wait-listed candidates will be offered seats in order of merit as soon as vacancies arise. The fees deposited by the remaining candidates who are not offered seats before the close of admissions, will be refunded in full in due course of time.

The candidates thus called must come to the college office at the scheduled timings and dates. They should bring (a)

provisional certificate, (b) proof of date of birth as recorded in the certificate issued at Class X or equivalent standard, (c) marks-sheet (all the three in original), (d) one set of attested copies of (a), (b) and (c). Candidates reporting late may not be considered for admission.

After the verification, the originals will be retained and fees. (Rs. 245.00 as given in Section 8.3) will be accepted. The original certificates will be returned on completion of III Semester or on withdrawal in writing from the College, whichever is earlier.

IF A CANDIDATE CALLED FOR ADMISSION FAILS TO REPORT AT THE SPECIFIED TIME, HE/SHE WILL AUTOMATICALLY LOSE HIS/HER CHANCE.

Also see item 11 under section 4.1.7.

4.1.10 TIME SCHEDULE

Important dates connected with admission are :

Code		I Merit List	II Merit List	III Merit List	Final Merit List
DG	Notification	6-7-87	24-7-87	13-8-87	7-9-87
	Admission	9-7-87	28-7-87	17-8-87	10-9-87
DC/DT/DD	Notification	8-7-87	24-7-87	13-8-87	4-9-87
	Admission	10-7-87	28-7-87	17-8-87	8-9-87
All others outside Delhi	Notification	17-7-87	5-8-87		25-8-87
	Admission	3-8-87	20-8-87		9-9-87

Notification of the list at 5.00 pm.

Admission at 11.00 a.m.

- (i) On 8.9.87 the vacant seats of DC and DT quotas will be filled up by the candidates present belonging to the respective quotas. The vacant seats if any under the quotas DC or DT will then be filled up by the candidates present belonging to any one of these two quotas. After this stage, all the vacant seats of DC & DT quotas will be diverted to DG quota.
- (ii) The seats of DD will be filled by the candidates present belonging to the quota. The vacant seats if any, at any stage, will be diverted to DG quota.
- (iii) On 9.9.87, the vacant seats of UC and UT will be filled by the candidates present from the respective quotas. After this, the vacant seats if any, of the quotas UC and UT will be filled up by the candidates present belonging to any one of these two quotas. There after the vacant seats of UC/UT quotas, if any, will be diverted to UG quota.
- (iv) On 9-9-87 the general seats in VG, XG, YG & ZG of category (ii) will be filled up from amongst the candidates called and present belonging to that group in order of merit. The seats vacant in any of the groups will be pooled together and the candidates who belong to the general seats of these groups present and wait listed earlier and not admitted till then will be offered seats in order of common merit list UG. Vacancies if any after the above stage will be diverted to DG quota.
- (v) On 9-9-87 the reserved seats of JC, JT, MC, MT, AC, AT, CC, CT will be filled up from the candidates called and present belonging to the respective quota. As a first step the vacancies if any within the JC-JT; MC-MT; AC-AT; CC-CT; will be interchanged in their respective groups. The vacancies if any after

this stage will be pooled as OC/OT. The candidates wait listed earlier and present on 9-9-87 not admitted till then will be offered the seats on the basis of common merit list. Thereafter the vacancies if any will be diverted to OG.

- (vi) On 9.9.87 the general seats from the states such as AG, WG, BG, etc., will at first, be filled by the candidates belonging to that quota only. All the resulting vacant seats of States General Quotas will be diverted to 'OG'
- (vii) A common merit list will be prepared. It will comprise candidates of general state quotas i.e., AG, WG etc. (a) who were waitlisted earlier but were not admitted till then and (b) who were called and were present on 9.9.87 at 11.00 A.M. but were not admitted. All the OG seats thus formed (according to the norms explained in the previous two paragraphs) will be filled by the candidates of this merit list. After this stage, vacant seats, if any, will be diverted to DG quota.

Admission to Delhi Sports quota (DS) : List of candidates called for interview etc. will be placed on the notice board on 7.7.87 and the actual programme of interview and field trials will be announced.

NOTE : No admission will be made directly to the second or any subsequent year of the course. The admissions will close on 10.9.87.

IF A STUDENT REMAINS ABSENT FOR 8 WORKING DAYS CONTINUOUSLY, HIS/HER NAME WILL BE STRUCK OFF THE ROLLS WITHOUT ANY FURTHER REFERENCE.

4.2 M.E. COURSES

Instruction for Part-Time students is normally arranged from 8.30 A.M. to 10.30 A.M. on five days a week and on Saturdays/Sundays (if necessary) according to the convenience of the College. Whenever possible, Full Time students and Part-time students may also have combined classes. The other classes for Full Time students will be fixed at any time between 8.30 A.M. and 4.30 P.M. according to the convenience of the College. Students may also be required to undergo Computer Training at the Computer Centre for one month during vacations. Educational tours may also be arranged.

The college offers the following ME Courses

Deptt./Course	Number of seats	
	Full-time	Part-time
1. Civil Engg. Deptt.		
(a) Environmental Engineering	20	—
(b) Hydraulics and Flood Control		
(c) Structural Engineering.		
2. Electrical and Electronics & Communication Engg. Deptt.		
(a) Controls and Instrumentation	15	15
(b) Electronics & Communication		
(c) Power Apparatus & Systems	—	
3. Mechanical Engg. Deptt.		
(a) Production Engg.	15	10
(b) Thermal Engg.		

4. Chemistry Deptt.

Polymer Technology

5

5

4.2.1 EDUCATIONAL QUALIFICATIONS :

(a) M.E. in Electrical/Mechanical/Civil

Candidates who have passed any one of the following examinations are eligible for admission to the M.E. Courses :

Bachelor's Degree Examination in the appropriate branch of Engineering (Elect./Electronics and Communication/ Mech./Civil) from the University of Delhi or any other examination recognised by the University as equivalent thereto.

OR

A.M.I.E. (India) Exam. with appropriate specialisations/ Grade I.T.E. (India), A.M.I.E. (London), A.M.I. Mech. E. (London), A.M.I. Struct. E. (London) Examination or any other professional Examination in the concerned branch recognised as equivalent to B.E. by the University of Delhi.

(b) M.E. (Polymer Technology)

Candidate who have passed B.E. Examination in any branch of Engineering or equivalent.

OR

M.Sc. (Chemistry) of the University of Delhi or equivalent. (Subject to the approval of the University of Delhi).

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

4.2.2 AGE REQUIREMENTS :

The candidate should be 21 years of age on the First of October of they year of admission. However, the Vice-

Chancellor, on the basis of individual merit, may relax the age upto a maximum period of six months.

4.2.3 ADDITIONAL REQUIREMENTS FOR PART-TIME COURSES :

The following categories of candidates are eligible for admission to the part-time courses provided, they satisfy the eligibility requirements as in 4.2.1.(a) or (b).

- (i) Teachers working in an Engineering Institution in Delhi, provided they have not been registered simultaneously for any other Degree of the University of Delhi or any other University.
- (ii) Persons in approved employment in Research/Development/Design/Training Organisations in Delhi.

Both these categories of applicants :

- (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 or in Delhi as decided by the College for about one month in the prescribed form given in the application form.
- (b) Will be required to continue in employment during the entire period of the course.
- (c) Must have had one year's meaningful experience before admission.

4.2.4 RESERVATIONS

- (i) In case the number of seats is more than 7 but less than 15—15 per cent for Scheduled Caste Candidates. If no S.C. candidate is available, the seat will go to S.T. candidate, if available.

(ii) In case the number of seats is 15 or more, 15 per cent of the seats of Scheduled Castes and $7\frac{1}{2}$ per cent for Scheduled Tribes. (Interchangeable, if necessary).

(iii) If the requisite number of Scheduled Caste/Scheduled Tribe candidates are not available by the last date fixed by the University for admission to each course, the remaining seats be de-reserved and filled from 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 the Govt. of India and full-time candidates sponsored by the Govt/Public Undertaking provided they fulfil the eligibility conditions (a) or (b) of Section 4.2.1.

4.2.5 INSTRUCTIONS TO THE APPLICANTS 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 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. 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 specimen form of certificate will be found at the end of the prospectus. A list of approved authorities, is listed on the reverse of the form).

- (e) In case of applicants to the parttime courses, a certificate from the employer is to be given on the prescribed form provided in the application.

“LAST DATE FOR RECEIPT OF COMPLETED APPLICATION FORMS IS 10-7-87. COLLEGE IS NOT RESPONSIBLE FOR ANY POSTAL DELAY OR LOSS. CANDIDATES MUST ENSURE THEMSELVES THAT COLLEGE RECEIVES THE APPLICATION ON OR BEFORE DUE DATE. ALL APPLICATIONS RECEIVED AFTER DUE DATE STAND REJECTED AUTOMATICALLY.

4.2.6. SELECTION PROCEDURE :

(a) Candidates who are seeking admission on part time basis after having passed AMIE Examination or equivalent under clause 4.2.1 (a) will be required to take a written test of 3 hours duration to be conducted by the Delhi College of Engineering. They must have atleast 40 percent marks to become eligible for interview/viva-voce.

(b) Admission of a sponsored candidate for F.T. course without scholarship will be governed by merit as per the procedure for admission to part time course.

(c) All eligible applicants for M.E. Courses both Full time & 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 selections is as follows :—

Written test for

AMIE Candidates only	10 AM to 1 PM	10-8-87
Interview for part-time Candidates	10 AM	11-8-87
Interview for full time Candidates	10 AM	12-8-87

(d) The merit lists of the candidates for admission to ME Courses will be prepared by apportioning the following weightages.

FULL-TIME

	Max. Marks
1. Weightage for percentile score given by GATE	80
2. Interview/Viva Voce	20
	—————

PART-TIME

7. Qualifying Exam, aggregate	80
2. Interview/Viva-Voce	20
	—————

100

Candidates securing less than 50 per cent 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 14-8-87.

Selected candidates will be required to submit the Original Certificates 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 10-9-87.

4.3 M.Sc. APPLIED PHYSICS PART-TIME COURSES :

Instruction for students is normally arranged from 8.30 A.M. to 10.30 A.M. on five days a week and on Saturdays/Sundays if necessary according to the convenience of the College. In addition, the students shall be required to attend classes for two consecutive summers for a period of nearly one month each summer, for instruction in practical/theory papers, drawing and workshop as may be required by the Department.

4.3.1 EDUCATIONAL QUALIFICATIONS AND OTHER REQUIREMENTS :

- (a) The candidate should have passed B.Sc. Hons. in Physics or B.Sc. General Group 'A' Physics, Chemistry and Mathematics Examinations of the University of Delhi or an examination recognised as equivalent thereto under 10+2+3 scheme with a minimum 55 per cent marks in aggregate (50 per cent for Scheduled Caste and Scheduled Tribe candidates.)

OR

Minimum of 60% marks in aggregate under any other scheme (55% for Scheduled Caste and Scheduled Tribes) leading to B.Sc. (Hons.) Degree in Physics or B.Sc. General Degree with Physics, Chemistry and Mathematics.

- (b) The 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 upto a maximum period of six months.

- (c) The candidate must have been employed in approved Industry/Laboratory in Delhi for atleast 12 months and should be sponsored by his/her employer.

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

1. Read the instructions fully and 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) Marks 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 Castes/Scheduled Tribes, a certificate in original from an approved district Authority stating the Scheduled Caste/Tribe, to which the candidate belongs. A specimen form

of certificate will be found at the end of the prospectus. A list of approved authorities is listed on the reverse of the form.

"LAST DATE FOR RECEIPT OF COMPLETED APPLICATION FORMS IS 10-7-87. COLLEGE IS NOT RESPONSIBLE FOR ANY POSTAL DELAY OR LOSS. CANDIDATES MUST ENSURE FOR THEMSELVES THAT COLLEGE RECEIVES THE APPLICATIONS ON OR BEFORE DUE DATE. ALL APPLICATIONS RECEIVED AFTER DUE DATE STAND REJECTED AUTOMATICALLY.

4.3.3. SELECTION PROCEDURE :

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

- (i) Head of the Physics Department in the College.
- (ii) Professors and Asstt. Professors in the Department.
- (iii) Heads of the Departments 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 11.8.87 from 10 A.M. to 11 A.M. The candidates will be interviewed the same day at 2 P.M.

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
(ii) Written Test	...	...	...	30
(iii) 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 14.8.87.

Selected candidates will be required to submit the original certificates 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 per cent marks 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 of equivalent examinations.

No admission will be made after 10.9.87

5. LAST DATE OF APPLICATION :

"LAST DATE FOR RECEIPT OF COMPLETED APPLICATION FORMS FOR B.E. COURSES IS 26-6-87 FOR CANDIDATES FROM DELHI DC, DD, DS, DT AND 10.7.87 FOR ALL OTHER CANDIDATES.

LAST DATE FOR RECEIPT OF COMPLETED APPLICATION FORMS FOR M.E./M.Sc. COURSES IS 10.7.87. APPLICATION MUST BE SENT TO THE DEPUTY ADMINISTRATIVE OFFICER, DELHI COLLEGE OF ENGINEERING, DELHI, SO AS TO REACH HIM ON OR BEFORE THE ABOVE MENTIONED DATE.

6. COMMENCEMENT OF CLASSES :

All the students who are admitted to B.E. Courses are required to be present at 10.00 A.M. on 24.8.87. The Principal will address the students. Later the students will be taken round the Campus.

Instructions for I and III semester B.E./M.E./M.Sc. Courses start at 8.30 A.M. on 25.8.87. For all other semester instructions start at 8.30 A.M. on 7.9.87.

7. ACADEMIC TERMS AND EXAMINATIONS :

The Academic year is divided into 2 Semesters of approximately 19 weeks each. The Odd and Even semesters start around 16th July and 7th January respectively. There is a break of about 6 weeks duration between the two semesters.

In case of B.E., M.E. and M.Sc. (Applied Physics) Courses, there will be University Examinations at the end of each semester.

On completing the formalities of admission, the fresh entrants have to apply with 2 copies of passport size photographs for the issue of identity card.

8. GENERAL INFORMATION

8.1 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.

8.2 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 Ordinances according to the following programme :—

- (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 larger industries.

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

8.3. FEES

Half the fees are to be paid in July and the other half 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's ceasing to be on the rolls of institution.

"Fees" will not be refunded in respect of B.E./M.E./M.Sc. (Applied Physics) Courses, unless the student joins a corresponding course elsewhere and the vacancy so caused is filled up by another student on or before 10.9.87. 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

Session Dues	First Instalment Payable in July/Aug. Amount in Rs.	Second Instalment Payable in January Amount in Rs.
'A' Tuition Fees	... 90.00	90.00
'B' Deposits at the time of admission		
Refundable :		
(i) Security-Deposit	... 30.00	Nil
(ii) Education Tour Money	... 60.00	
'C' Other Fees :		
(i) Sports (Semester)	... 20.00	20.00
(ii) Stationery (Semester)	... 15.00	15.00
(iii) Medical (Semester)	... 4.00	2.00
(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 Entrolment Fees (Annual)		
Ist Years	... 5.00	
Other Years	... 2.00	
(iv) Delhi University Students Union (Annual)	... 1.00	
(v) S.H.W. Project (Annual)	... 1.00	
(vi) U.G.C. Fees (Annual)	... 1.00	
(vii) University Athletics Fees (Annual)	... 5.00	
(viii) College Magazine Annual	5.00	
Total Ist Year	... 248.00	133.00
Other Year	... 155.00	133.00

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.

8.4 HOSTEL

Hostel accommodation for about a quarter of the male students on rolls will be allotted to full-time day students 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 will be considered. Applications for hostel seats for about 300 students mostly in 2 seater 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 DCE hostel.

Girls students may please note that there are no separate girls hostels attached to the College.

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 Term July to Nov.	II Term Dec. to April
1	2	3
Rent (Per Semester) . . .	35.00	35.00
Electricity & Water Charges . . .	20.00	20.00
Hostel/Security Deposits		
(Refundable)	30.00	
Mess Security Deposit	200.00	
Mess Advance	400.00	
	685.00	55.00
Total		

Actual mess bill will be calculated on month to month basis. At present it varies between Rs. 300 p.m. to Rs. 330 p.m.

Students who are required to stay in the Hostels beyond the 1st or 2nd term, for genuine reasons, under special circumstances will be charged @ Rs. 11 per month (Rent plus elect./water charges). In other cases an occupant will be charged at the rate of Re. 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.

8.5 FEE CONCESSIONS, SCHOLARSHIPS FINANCIAL ASSISTANCE, MEDALS, PRIZES, etc.

(1) Each session, Full-Freeships and Half-Freeships to 10 percent each, of the students on rolls in each course will be

available on grounds of merit-cum-means. Students are advised to be on the lookout for the notices, asking for applications 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. 100 p.m. from the date of admission or commencement of instruction whichever is later, for a maximum period of 18 months. Qualifying in GATE is essential.

(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) The following scholarships are awarded annually by the University of Delhi :—

- (i) PANDIT MAN MOHAN NATH DHAR SCHOLRSHIP, not exceeding two in number, of the value of Rs. 100 p.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 1st 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 SCHOLARSHIP** two in number of the value of 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 SCHOLARSHIP:

The College awards the following:—

- (i) **MERIT SCHOLARSAIPS** 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. 75.00 p.m. each with exemption from tuition fees for the fullsession.

The total number of the above mentioned scholarships in a year will be limited to 25 per cent of the total number of students on roll in the College during the year.

(7) Students are also entitled to the scholarships offered by the respective State/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) 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. Kohji Memorial Medal** : To the best candidate who secures the highest percentage of marks in the B.E. Electrical Engineering Final Examination, obtaining a first class and passing all the examinations in first attempt.
- (iv) **Engineering Projects India Ltd. Gold Medal** ; To the candidate who secures highest marks in the B.E. Elect. Engineering (Electronics) Examination.
- (v) **Babu Ganyat Rai Gold Medal** : To the best candidate from amongst the successful candidates for all the M.E. Elect/Mech./Civil 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.

(11) 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 PRESCRIBED PERIOD, WILL BE REMITTED BACK TO THE PAY & ACCOUNTS OFFICER CONCERNED AND THE SAME WILL NOT BE REDRAWN WHATSOEVER THE REASON MAY BE.

8.6 IMPORTANT ACADEMIC RULES

1. Every student should always carry on his 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 scholarship, for receiving money orders and postal articles, etc.

2. EVERY STUDENT MUST KEEP ATLEAST 75 PER CENT ATTENDANCE SEPARATELY IN LECTURES INCLUDING TUTORIALS AND PRACTICAL CLASSES EACH SEMESTER : OTHERWISE HE/SHE WILL BE DETAINED FROM APPEARING AT THE UNIVERSITY EXAMINATIONS.

3. Marks for assessment of Class work and Periodical tests are also counted towards Delhi University examination results.

The Principal of the College shall have the power to detain a student in the same class in which he has been studying and not send him up for the Delhi University Examination, in case he fails to appear in periodical tests or his performance in Class work and Periodical tests is not satisfactory.

4. Educational tours to factories, mills, workshops and 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.

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

6. 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.

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

8. At the time of admission every student shall be required to sign a declaration. "I submit myself to the disciplinary jurisdiction of the Vice-Chancellor and the several authorities of the 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 the University/College rules, regulations, statutes, ordinances, examination schemes' syllabii, fees, etc. that may be made in future from time to time.

9. A student who has been admitted to the B.E. Course after passing the Senior School Certificate Examination or its equivalent, will have to clear the first Semester of the course within 2 years, failing which he will be required to discontinue the studies.

10. 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.

8.7 COMPUTER CENTRE

The College has a third generation system TDC-312 with the peripherals such as Card Reader, Line Printer, TTY and four Magnetic Tape Drives.

The College has a main frame computer ICIM 6080 with 4 MB memory and 16 terminals. This system is being enhanced.

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.

8.8 PHYSICAL EDUCATION AND SPORTS

Physical education and sports, which play a vital role in achieving the aims and objects 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, Inter-class, Inter-Department 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 organizers.

8.9 CO-CURRICULAR ACTIVITIES

Students are expected to take an active part in all Co-curricular activities organised by the college. These aim at securing and 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 following students' organisations conduct the different Co-curricular activities under the active guidance of the members of staff.

The Students Association for all social, cultural and literary activities, e.g. college functions, entertainment, debates, essay competitions and exhibitions; Departmental Association (for organising lectures, paper reading seminars, etc.); Debating Society, Hindi Parishad, etc.

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

8.10 LIBRARY

The College has a well-stocked Library containing up-to-date books, journals and other technical literature. The

Liberay is open for reference study and during and after 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.

8.11 BOOK BANK

- (i) The College runs a BOOK BANK (under the UGC BOOK BANK Scheme), intended to assist students, from the economically weaker section of society, by giving text books on loan to deserving students for a whole academic year according to the rules framed for the purpose.
- (ii) 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 year according to the rules framed for this purpose.

8.12 PLACEMENT

Matters relating to the employment of our students are looked of by the Department of Training and Placement headed by a Professor. The demand for our graduates has always been very high and more than half the students get jobs 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**DEPARTMENT OF ELECTRICAL, ELECTRONICS &
COMMUNICATION ENGINEERING****Professors**

P. Kundu	B.E.E., M.Sc., Ph.D., F.I.E. India, Sr. M.I.E.E. U.S.A. M.I.E.E U.K Head of Deptt.
B.N. Misra	B.Sc. Engg, MSc. Engg., Ph.D. M.I.E.E., M.I.E.T.E.
V.R. Moorhi	B.Sc., B.E., M.Tech., PhD.
C.L. Wadhwa	B.E. Hons., M.E., Ph.D. M.I.E. India.
S.P. Mathur	B.Sc., D.E.R.E., M.A.Sc., Ph.D.
D. Roy Choudhry	M. Tech., D.Phil.
A.K. Sinha	B.E. M.Sc., Engg., Ph.D. M.I.E.T.E.
J.K. Das	B.E., M.E., Ph.D., M.I.E. India.

Assistant Professors

A.K. Tandon	B.Sc., BSc. Engg., M.Tech., Ph.D. A.M.I.E. India.
Katar Singh	B.E., M.Sc. Engg.
Ashok Bhattacharya	M.Tech., D.I.R.E., Ph.D., M.I.E.E.E. U.S.A.
G.G. Bhise	B.E. M.Sc. Engg., M.I.E. India, M.I.E.T.E. India, M.I.S.T.E.
P.R. Chaudha	B.E. Hons., M.Tech.

Lecturers

B.M. Doshi	B.E., M.Sc. Engg.
Shail Bala Jain	B.Sc. Engg., M.Teach.
I. Mohd. Refeedqudin	B.E. M.Sc. Engg.
D.C. Kulshreshta	B.Tech. Hons., M.Sc. Engg.
S.C. Ray	L.E.E., B.E.E., M.E. on deputation
Shiva Sharma	B.Sc. Engg., M.E.
N.K. Jain	B.Sc., Engg., M.Sc. Engg.
D.R. Bhaskar	B.Sc., B.Tech., M.Tech.
Neeraj Kumar Bhagat	B.Sc. Engg., M.Teach., AMIE India
Three posts vacant	

MECHANICAL ENGINEERING DEPARTMENT**Professors**

Y.V.S.R. Sastry	B.E. (Hons.), M.E., Ph.D., M.I.E. India, M.I.S.M.E. Head of the Deptt.
N.L. Sachdev	B.E., M.Tech., M.I.E. India. M.I.S.M.E., M.I.S.T.E.
O.P. Grover	B.E., M.Tech., Ph.D. F.I.E., India, M.I.S.M.E. F.I.I.E.T.
Rajnish Prakash	M.Tech., Ph.D., F.I.E. India M.I.S.M.E., M.I.S.T.E.
P.L. Ballancy	B.E. Elect. & Mech. M.S., F.I.E. India
D. Venkateswarlu	B.E., M.Tech., Ph.D.
T.D. Sachdeva	B.Sc. Engg., M.E., Ph.D.
B.P. Reddy	B.E., M.E., Ph.D.
U.C. Jindal	B.E., M.Tech., Ph.D. M.S.E.S.A. U.S.A.

R.C. Sachdeva

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

A.S. Sachdeva

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

R.P. Kapoor

Ph.D., M.I.E. India

B.Sc., B.Sc. Engg., M.E.

on study leave

B.P. Bandopadhyaya
One post vacant

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

Assistant Professors

S.S. Saluja

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

A.K. Tayal

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

Lecturers

V.K. Susarla

B.Sc. Engg., M.M.E.

R.K. Bansal

B.Sc. Engg., M.Tech. Hons, Ph.D.

M.K. Aggarwal

N.D., M.Tech., Ph.D. M.I.E. India

M.I.S.M.E., M.I.S.T.E.

Jagbir Singh

B.E., M.E.

S.C. Gandhi

B.Sc. Engg., M.Sc. Engg.

NK. Garg

B.E. Hons., M.E. Hons., Ph.D.

A.K. Saluja

B.Sc., B.E., M.Sc., Engg.

O.P. Sharma

B.Sc. Engg. Hons., M.Sc. Engg.

On study leave

V.K. Sethi

B.Sc. Engg. M.Sc. Engg.

V.K. Mahna

B.Sc. Engg., M.Sc. Engg.

J.S. Kalra

M.I.S.M.E. On study leave

B.D. Pathak

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

A.M.K. Poduval

M.I.E. India, M.I.S.T.E.

R.S. Khanduja

M.Sc. Engg.

B.Sc. Engg., M.Sc. Engg. on Lien

B.E. Tech., M.Sc. Engg.

Lecturers

Sharat Kumar
D.R. Gupta
V.K. Gupta
K.L. Arora

B. Tech. Hons.
B.Sc., M.Sc. Engg. U.S.S.R.
B.Sc. Hons. B.E. Met.
B.Sc. Engg., M.Sc. Engg.
A.M. Ac. S.I., M.I.E. India,
M.I.S.M.E.

Sunil Pandey

B.E., M. Tech., Ph.D.,
M.I.I.W., M.I.S.M.E.

Four posts vacant

Workshop Supdt.

D.K. Sengupta

B.M.E., M.Sc. Engg.

Asstt. Workshop Supdt.

S.R. Sibal

L.M.E. On deputation

CIVIL ENGINEERING DEPARTMENT**Professors**

M. Paldas

M.E., Ph. D., P.R.S.
Mouat Medalist, M.I.E. India, Head
of Deptt.

S.K. Mazumdar

B.E., M. Tech., Ph. D. M.I.E.,
M.A.I.H.R.

A.F.S.A. Aowal

M.E., D.I.C., M.Sc. Engg., Ph.D.,
M.I.W.W.E.

R.K. Selot

B.Sc., B.E. Hons., Ph.D., F.I.E.,
India.

Arun Kumar

M.Sc. Engg., Ph.D.

H.S. Bhatia

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

Asstt. Professors

J.L. Pahwa	B.E., M.E.
N.M. Patel	M.E., Ph.D., M.A.G.E., M.I.G.S.
D. Goldar	B.E., M.Sc. Engg., Ph.D.
G.L. Pamnani	M.E. On study leave
M.P.S. Mahandroo	M.Sc. Hons., Ph.D.
One Post vacant	

Lecturers

K.V. John	M.Sc. Engg.
Rakesh Mehrotra	M. Tech.
A.S. Anand	N.D., M.Sc. Engg.
A.K. Bhatwadekar	B.E., M.E.
A.K. Gupta	B. Tech., M.S.
I.C. Sood	Dip Civil
Three Posts vacant	

DEPARTMENT OF PHYSICS**Professor**

V.P. Bhatnagar	M.Sc., Ph.D., Fellow Ultrasonic Soc. India, M.U.S.I. Head of the Deptt.
One Post vacant	

Assistant Professors

R.N. Chatterjee	M.Sc., L.T., Ph.D.
V.S. Kaushal	B.Sc. Hons., M.Sc. Hons. Ph.D.
V.R. Prakash	On lien
One post vacant	M.Sc., Ph.D.

Lecturers

Mohd. Mohsin	M.Sc.
D.K. Shrivastava	M.Sc.
M.P. Singh	M.Sc.
D.V. Chaure	M.Sc.
Atish Mazumdar	M.Sc. Ph.D.
Two posts vacant	

DEPARTMENT OF CHEMISTRY**Assistant Professors**

R. Chandra	M.Sc., Ph.D., Head of the Deptt. F.I.C.S., M.P.R.I. London
G.L. Verma	M.Sc. Hons., Ph.D
S.P. Dubey	M.Sc., Ph.D.
V.G. Garg	M.Sc. D. Phil.
G.K. Saxena	M.Sc., D. Phil.
One post vacant	

Lecturers

A.K. Srivastava	M.Sc.
P.C. Jain	M.Sc.
K.K. Dhawan	M.Sc.
R.C. Sharma	Ph.D.
A.P. Gupta	M.Sc., Ph.D.
Two posts vacant.	

DEPARTMENT OF MATHEMATICS**Professors**

J.C. Bhatia	M.Sc., Ph.D., D.Sc. Head of the Deptt.
One post vacant	

Assistant Professors

S.K. Sett	M.Sc., Ph.D.
K.L. Ahuja	M.Sc., Ph.D.
A.B. Mathur	M.A., M.Sc., Ph.D.

Lecturers

Balbir Singh	B.Sc., M.A.
V.P. Mishra	M. Sc., Ph.D.
Sushma Jain	M.A., B.T.
Ved Prakash Jaggi	M.Sc.
Three posts vacant.	

DEPARTMENT OF HUMANITIES

Assistant Professors

One post vacant

Lecturers

A.C. Gupta	M.A.
Four posts vacant.	

DEPARTMENT OF TRAINING & PLACEMENT

Professors

M.S. Saxena	B.Sc., B.E., M.A. Head of the Deptt.
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Assistant Professor

B. Chattopadhyay	B.M.E., M.Sc. Engg.
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COMPUTER CENTRE

Daya Gupta	B.A. Hons., M.Sc. Post M.Sc. Dip. Computer Science	Programmer
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DEPARTMENT OF PHYSICAL EDUCATION

J.C. Roy	B.Sc., M.Ed., D.P.Ed.	Director Physical Education
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LIBRARY

Post of Librarian vacant

ADMINISTRATION

J.M.L. Kapoor	B.Sc., L.T., D.P.M., M.B.A., Delhi C.M.N.I.P.M.	Administrative Officer
Roshan Lal	M.A.	Asstt. Administrative Officer A/cs.
D.R. Misra	M.Com.	Stores Officer.