

PROSPECTUS – 2013

ADMISSION TO M.E. / M.TECH. PROGRAMMES

&

HARYANA COMMON POSTGRADUATE ENTRANCE TEST

(M.E. / M.TECH)

(HCPET – M.E. / M.TECH. – 2013)



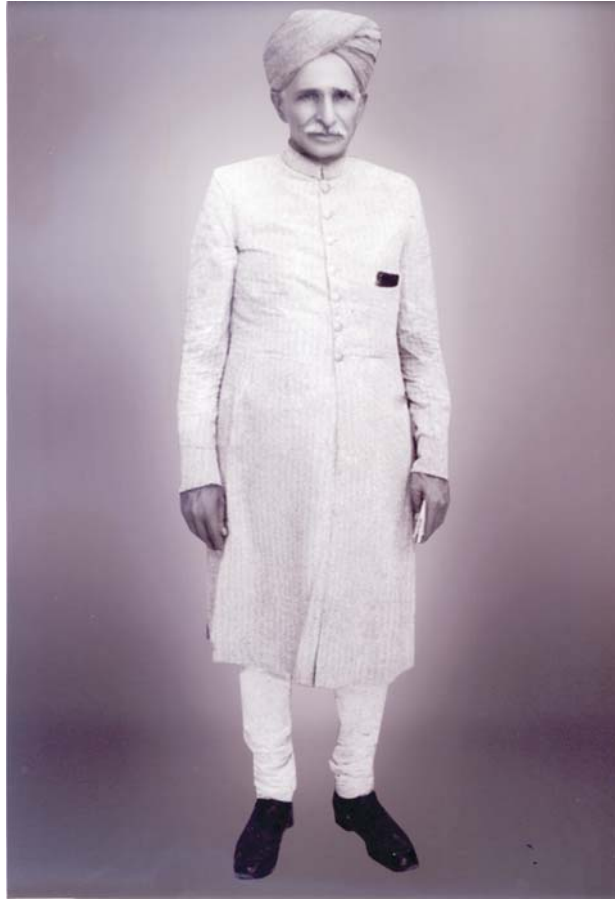
FACILITATING UNIVERSITY

DEENBANDHU CHHOTU RAM UNIVERSITY OF SCIENCE AND TECHNOLOGY

(A State University established under Haryana Legislature Act No. 29 of 2006 and
Recognized under 12B of the UGC Act, 1956)

MURTHAL, SONIPAT – 131039 (HARYANA)

www.dcrustm.org



Deenbandhu Chhotu Ram
(November 24, 1881 – January 09, 1945)

Born on 24th November, 1881 in Garhi Sampla (a village in old Rohtak District) in the family of Ch. Sukhi Ram and Mrs. Sirya Devi, Deenbandhu Chhotu Ram was a renowned educationist and named as the father of reforms for farmers. He established Jat Anglo Sansthan on 26th March, 1913 after completion of his graduation in Law. In 1916, he became president of congress party and continued till 1919. He remained as Development Minister from 1937 to 1945 after his party came into power. He was conferred with prestigious awards like Rai Bahadur (1919), Deenbandhu (1942), Rehbar-e-azam (1944). Besides being a luminary figure in agricultural and educational reforms, he was involved in various developmental policies for joint Punjab including Bhakhra Power Project.

The Government of Haryana has appropriately named the University after this illustrious son of the soil of joint Punjab. His personality will not only inspire the students and staff of this University but also encourage and motivate them to rise from *ab initio* to crescendo in their respective fields.



**DEENBANDHU CHHOTU RAM
UNIVERSITY OF SCIENCE & TECHNOLOGY,
MURTHAL, SONEPAT-131039 (HARYANA)
www.dcrustm.org**



**Er. Har Sarup Chahal
Vice-Chancellor**

MESSAGE

It is my proud privilege to announce that the Haryana State Technical Education Society (HSTES) has assigned to the University the job for admission in Post Graduate Engineering programmes of all the Institutes / Universities of the State of Haryana on-line from the academic year 2013-14. We look forward to a process that will be faster and transparent at the same time and will enable both the students and the institutes / universities cut down on non-academic activities, thereby improving upon the academic calendar. The job, by no means, is easy because of the need for integrating data from seven universities, with 113 institutions including teaching departments of the universities, creating 14 subject clusters and catering to the needs of 6640 prospective students. To top it all, being the multiple choices of subjects and institutes / universities by the students. It is hoped that e-governance cell of the University will deliver the services to the satisfaction of all the stakeholders. This will, further, be another step in the direction of e-governance by the State Government.

(Er. H.S. Chahal)

DISCLAIMER

At the time of publication of this Prospectus, it has been assumed that the information supplied by the different participating Universities has been published/ printed correctly to the satisfaction of the facilitating University. However, any change in the Provisions/Instructions/Regulations made by the participating Universities at a later date shall be applicable for the admissions to M.E./M.Tech. Programmes. If any candidate suffers inconvenience/ loss due to such changes, the facilitating University (DCRUST) shall not be responsible for such inconvenience/loss caused.

JURISDICTION

All the disputes shall lie in the jurisdiction of District Sonapat.

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CHAPTER – 1

ABOUT DEENBANDHU CHHOTU RAM UNIVERSITY OF SCIENCE & TECHNOLOGY, MURTHAL (SONEPAT)

Introduction

Deenbandhu Chhotu Ram University of Science & Technology, Murthal came into being on 6th November 2006 by upgrading the erstwhile Chhotu Ram State College of Engineering, Murthal through an Act 29 of 2006 of the Legislature of the state of Haryana with the vision to facilitate and promote studies and research in emerging areas of higher education with a focus on new frontiers of science, engineering, technology, architecture and management studies, humanities, and also to achieve excellence in these and connected fields. The University has been considered eligible for grants under Section 12(B), of UGC Act, 1956, in March, 2009. The University has got affiliating status. The technical, management and architecture Colleges/ Institutes located in the District Sonapat have been affiliated to the University. Recently, the six B.Tech. programmes of the University have been accredited by National Board of Accreditation (NBA).

Vision

To facilitate and promote studies and research in emerging areas of higher education with a focus on new frontiers of Science, Engineering, Technology, Architecture & Management, leading to evolution of enlightened technocrats, innovators, scientists, leaders and entrepreneurs who will contribute to national growth in particular and to international community as a whole.

Mission

The University has taken up a mission to achieve excellence in education and research in main and related areas of Applied Science, Engineering, Technology, Architecture, Management and Healthcare and to occupy a place of pride amongst the most eminent organizations of the world.

Location

The University is located in NCR on National Highway No. 1 (G. T. Road) at about 50 kms from ISBT, New Delhi towards Chandigarh and 8 kms from Sonapat railway station. The location of the University falls within one of the growing industrial belts of Haryana extending from Kundli to Panipat.

Campus

It is a fully residential university with a campus sprawling over 273 acres of land. Architecturally, the campus has been developed into four distinct zones – academic, residences, hostels and recreational. The academic premises comprises of four interconnected blocks, with one of them being the administrative building; one more teaching block is nearing completion. The two iconic buildings namely Library-cum-Computer Centre and Convention Centre are under completion. The ambience of the campus is a fine blend of intellectuality and interactive cordiality enriched with academic flavour and Indian ethos.

Hostels

The University is fully residential and hostel accommodation is provided to all students. Permission to become day scholar is granted where students' parent or a close relative resides within the radius of 15 kilometres of university campus. There is a mess-cum-kitchen unit in each hostel. Mess is run by a students' body on cooperative basis under the guidance of the respective warden. The policy affairs related to hostels are dealt with by a council of wardens headed by a chief warden.

Every hostel has a spacious furnished common room with TV and telephone connection. A Billiards room is also functional in hostel premises. The Hostels are in the process of being linked with campus wide networking. In addition to this, each hostel has a badminton court, a table tennis room, and a cyber cafe. The capacity of the hostels is as follows:

| Name of the Hostel | Capacity |
|------------------------|----------|
| K. S. Krishannan Hall | 276 |
| Chandrashekhar Hall | 276 |
| Hargobind Khurana Hall | 276 |
| Aryabhata Hall | 138 |
| Gargi Hall | 150 |
| Kalpana Chawla Hall | 300 |

Shopping Complex

The campus has a shopping complex in the vicinity of students' hostels and residential area, which houses a departmental store, a photo shop, a zerox shop, a books and stationery shop, a milk booth, a State Bank of India branch with ATM facility and a Post office. The Shopping complex also has a cafeteria surrounded with lawns dotted with adequate benches all-weather.

Medical Facilities

The University has a medical centre in the campus catering to the medical needs of the students and staff. It has two permanent resident Medical Officers including one Lady Medical Officer. It is equipped with first-aid and ambulance facilities. In addition to this, other test facilities are augmented by the department of Biomedical engineering.

Academic Programmes

The University imparts high-end education through 22 Regular PG Programmes, 9 Regular UG Programmes alongwith 3 PG Part-time/Weekend Programmes and 5 UG Part-time/Weekend Programmes. University is also running Ph. D. Programme wherein approx. 225 research scholars have been registered. University also offers Certificate Course in foreign languages such as French, German, etc.

Co-curricular Activities

Traditionally, students organize three festivals during an academic year. **Rhythm** – A grand cultural event is usually held in the month of February in which participants of technical, management and architecture institutions from all over India are invited.

Another very popular technical festival – **Technova** – is commonly held in the month of October/November in which the participation from all over India is invited. This technical festival comprises of more than hundred technical events including online participation

designed to test the innovative skills of students in cognitive and psychomotor domains. There is an intra-university sports meet usually held in the month of March. From the coming session, to ensure the participation at the inter-university level, the University has created two zones of affiliating colleges/institutes and one for University Teaching Departments. After the zonal sports competitions, the interzonal sport competitions will be organized.

In addition to this, there are different clubs such as **Literary Society (LISOC)** which conducts quizzes, debates on burning National & International issues related to education, social & environmental problems, etc. and other intellectual activities. **Hobby Expo Club** caters to music, painting, sketching, coin collection, pot making etc. and includes fine art clubs. These clubs organize activities throughout the year and the awards and certificates are given at the time of Rhythm.

A tennis Academy has been established with provisions of tennis courts of international standards.

SC/ST Cell

An SC/ ST cell has been set up in the University to ensure proper implementation of various schemes of the UGC, the Government of India and State Government concerning scholarships, stipends etc. for welfare of reserved categories. The guidelines for various types of scholarship/stipends as revised from time to time by the Central and State Govt. are notified to all departments and displayed on the notice boards.

Alumni Association

Our Alumni Association is headed by a senior faculty member of the university and acts as a nodal agency for maintaining liaison with the alumni all over the world. It plays a very important role to promote and encourage the alumni to exchange professional knowledge by undertaking and facilitating conferences, seminars, expert lectures amongst students and faculty. It also honours and felicitates distinguished alumni. The alumni meets are held at least once in a year.

Earn While Learn Scheme

Under this scheme, students from UG and PG level are selected for part time jobs, such as lab work, assistance work at library, computer centre and other offices. It is a sort of earned scholarship of the value of Rs. 1000/- per month against devoting approximately 40 hours a month.

Central Library

At present, the University Library is located in the C.V. Raman Academic Block with a total area of 625 sqm. A separate state-of-art new building designed with green technology is at the final stage of completion. The present Library building has a seating capacity of 150 members. The Library opens from 8.00 A.M. to 7.00 P.M. on all working days and 9.00 A.M. to 5.00 P.M. on Saturdays and Sundays.

The University Library has a total collection of about 50,000 books. The University Library subscribes to 87 Indian Journals including 56 new Indian Journals. It also subscribes to 62 Magazines and 20 Newspapers to cater to the needs of current awareness and leisure reading. The subscription to the following e-Journals has been undertaken comprising of 145 IEEE Journals, 134 Springer Link Journals, 25 ASME Journals, 33 ASCE Journals, 385 Elsevier Science Direct Journals, 6700 indexed

Journals J-Gate, 120 Emerald Journals, 70 Gale Cengage Learning, Mc-Graw Hill Access Engineering Library and EBSCO Architecture and Management.

Presently, the library is in the active process of automation/computerization. Using an integrated Library Software “**LSEase**”, the books have been Bar-coded and pasted with computer generated spine labels to facilitate computerized circulation system and shelving of books in proper classified order.

The University Library is an Institutional Member of the American Library, New Delhi, The British Council Library, New Delhi, Tata Energy Research Institute, New Delhi, Institution of Engineers, Kolkata and Current Science Association, Bangalore. With the Institutional Membership, the students, teachers and staff can use the facility of library resources available there and also enjoy the borrowing facilities. The Library provides some other services/facilities to its users such as:

- i. OPAC (Online Public Access Catalogue)
- ii. INTERNET facility to access Online Journals
- iii. Reference Service On demand
- iv. Book Bank Facility (Under Graduate SC/ST Students of the University)
- v. The photocopy services are provided at subsidized University approved rates in the Document Centre located in the vicinity of the Library.

The library surveillance is done through Closed Circuit Television System using eight cameras covering all strategic locations of the University Library. The staff of University Library consists of three professional staff including One University Librarian, One Deputy Librarian and One Assistant Librarian, besides other supporting staff.

University Computer Centre

The University Computer Centre was established to provide state of the art computing & Networking, facilities to the University Community. Computer Centre is a facilitator for creating an environment of learning through effective use of information & communication technologies. Presently, Computer Centre is equipped with 170 core 2 duo systems, HP machines, 22 Laptops, Itanium servers & managing the Campus Wide Network of 1000 wired nodes & last mile Wi-Fi connectivity in hostel area. Campus wide network is running on 10 GB OFC backbone. University is connected to National Knowledge Network through 1 GB OFC link which serves the University requirement of internet bandwidth. Internet is available to the student, round the clock.

E-learning resources like NPTEL video lectures & web courses are deployed on internet servers available over University intranet. University Computer Centre manages websites www.dcrustm.ac.in & www.dcrustm.org to keep various stakeholders of the university well informed. Computer Centre develops need-based software modules, however, for effective & transparent administration, automation is under consideration.

New University Computer Centre building based on green building concept is near completion. The upcoming Computer Centre will be equipped with latest technology, high end devices, studio for video recording & video conferencing facilities.

Convention Centre

A state-of-the-art Convention Centre is being built with an estimated cost of Rs. 26 crores whose foundation stone has already been laid by Hon'ble Chief Minister of Haryana on November 19, 2008.

Training & Placement Cell (T & P Cell)

The Training & Placement Cell is a separate Unit which deals with Placement and Campus interviews of our students. The cell is being headed by regular Training & Placement Officer. The Training and Placement Cell acts as an interface between University and Companies and has maintained symbiotic, vibrant and purposeful relationship with industries across the country. As a result, it has built up an impressive placement record both in terms of percentage of students placed as well as number of companies visiting the campus in attractive salary packages. The cell hosts companies on the campus and ensures that every aspirant is assured of a bright career of his/ her choice.

A spacious Training Placement Cell, equipped with the state-of-Art facilities, Seminar Hall of 200 seating capacity for PPTs, 40 seating capacity Air conditioned Lounge, Board Rooms, Smart class Room, Internet Lab, Air conditioned Committee Room for group discussions and Examination Halls have been made available by the University for conducting the Campus Interviews for final year students and training programmes for the pre-final year students towards preparing them for campus recruitment programmes. University has Computer Lab for online test to accommodate 130 students in single shift. The Training & Placement Cell has been fostering a very productive and mutually beneficial relationship with the industries toward generating the placement opportunities for the students. Our students have the capacity to think beyond the boundaries of contemporary text books as they are nurtured in a quality research environment. For these reasons, several corporate have placed us among the top echelons of Institutes for the purpose of campus recruitment programmes.

The Placement Cell performs the following functions:

- Nurtures industry-institute interaction, by organizing and coordinating frequent industrial visits, inplant trainings and projects of industrial relevance for the students, with the sole aim of zeroing down the hiatus between the industry and the academia.
- Organizes & coordinates campus placement programme, with a view to assist every aspirant in fetching good placement.
- Helps every student define his/her career interest through individual expert counselling.
- Makes available updated database and job profile of the companies and thus helps each student analyse and choose a company of his interest. The cell has in its active file a database of nearly 6000 companies.
- Receives and forwards the feedback pertinent curriculum improvement from the visiting companies to the faculty, to ensure that the curriculum follows the latest industrial trends.
- Provides facilities for the visiting companies to conduct pre-placement talks, written tests, on line Test, group discussions and interviews
- Organise expert lecture an various topics.

MOUs with renowned private organizations like Cocubes, first naukri.com have been signed which ensure to upload resumes of final year students on website and also facilitate to conduct On-line Tests. Aspiring Mind Test is being conducted for all students who are shortlisted by more than 100 companies every year on the basis of their score. T& P Cell has an excellent team of Students Coordinators to further strengthen all processes. The major organizations which visit our University for Campus Placement are given below:

Some of Our Recruiters:

- Tata Power
- ISGEC
- Infosys
- Tech Mahindra
- Motorola
- CDIL
- Punwire
- Infogain
- HFCL
- Sandan-Vikas
- Truina
- Tata Tele Services
- TCL
- HCL
- Dalmia Cement
- Johnsons Control
- SRF
- Wipro
- Honda
- Indo-Asian fuse Gear
- Escorts
- Isgec
- Spice Telecom
- Frick's India
- Accenture
- Cognizant
- Minda
- HPGCL
- Star Paper Mills
- Glass India
- Indian Army
- DCM Shriram
- Honey Well
- Mindfires Solutions
- Wapcos
- Punj Lloyd
- Sonalika Tractors
- NDPL
- Hitachi
- Dabar India
- Onida
- Cdil
- Idea Celluar
- TCS
- Lurgi
- CME
- BEL
- Satyam
- HIS Asia
- Times Of India
- Areva
- L& T Infotech
- L&T Construction
- Havell's
- Sapient
- JBM
- Windmoller & Holscher
- Ericsson Global India Services
- Suzuki Power Train
- Rooman Technologies
- Open Solutions Software Services Pvt. Ltd.
- Isgec John Thompson
- Innova Lab Instruments
- Denso
- Escorts Auto Products
- Impetus
- Danso
- Bharti Infratel Ltd.
- Johnson Rubbers
- Roohinika
- Nectorlife Science
- BSES Reliance
- Aspiring Mind
- Fidelity

CHAPTER-2

ABBREVIATIONS

- "AIC" means "All India Category".
- "AICTE" means "All India Council for Technical Education."
- "AIU" means "Association of Indian Universities"
- "BC-A" means "Backward Class Block 'A' " of Haryana.
- "BC-B" means "Backward Class Block 'B' " of Haryana.
- "B.E." means "Bachelor of Engineering"
- "B.Tech." means "Bachelor of Technology".
- "M. C. A." means "Master of Computer Applications"
- "M. E." means "Master of Engineering"
- "M. Tech." means "Master of Technology"
- "PUs" means "Participating Universities, their UIETs & affiliated Colleges"
- BPSMV means "B.P.S. Mahila Vishwavidyalaya, Khanpur, Sonipat"
- CDLU means "Chaudhary Devi Lal University, Sirsa"
- DCRUST means "Deenbandhu Chhotu Ram University of Science & Technology, Murthal (Sonapat)"
- "KU" means "Kurukshetra University, Kurukshetra"
- "MDU" means "Maharshi Dayanand University, Rohtak"
- YMCA means "YMCA University of Science & Technology, Faridabad"
- "GJU" means "Guru Jambheshwar University of Science & Technology, Hissar."
- "CBSE" means "Central Board of Secondary Education".
- "CDLU" means "Ch. Devi Lal University, Sirsa."
- "CFF" means "Children of Freedom Fighters of Haryana".
- "ESM" means "Ex-Servicemen and their Wards" of Haryana.
- "Haryana Resident" means "a person eligible for grant of Resident Certificate as per instructions of Chief Secretary, Haryana, vide memo No. 62/17/95 - 6 GSI dated 3.10.96, No. 62/27/2003-6GSI Dated 29-7-2003, No. 62/32/2000-6GSI Dated 23-5-2003 and No. 22/28/2003-3G.S.III dated 30-1-04.
- "HOGC" means "Haryana Open General Category".
- "Intake" means "Sanctioned Intake"
- "MHRD" means "Ministry of Human Resource Development, Government of India."

- "PH" means "Physically Handicapped of Haryana".
- "Qualifying Examination" means "Qualifying Examination for admission to a particular Course"
- "ROM" means "Resident of village Murthal."
- "ROK" means "Resident of village Khanpur Kalan"
- "SC" means "Scheduled Caste of Haryana."
- "State Government" means "Government of Haryana."
- "University" means "Affiliating University".
- "State Quota" means "the seats meant for Haryana resident candidates
in terms of Chief- Secretary letter No. 22/2/27/2004-2 GSIII, Dated Oct.
20, 2005.
- "SBC" means "Special Backward Class"
- "EBP" means "Economically Backward Person"

CHAPTER: 3

IMPORTANT INFORMATION

1. All candidates (GATE/NON-GATE) desirous of taking admission in any M.E. / M. Tech. Programme shall apply on the prescribed application form. **However, the candidates with valid GATE Score are NOT REQUIRED to appear in the Entrance Test.**
2. GATE Candidate seeking admission in a particular (M. E. / M. Tech.) course is required to have a valid GATE Score in that specific discipline. No request of the candidate shall be entertained for admission to such discipline in which he/she has no valid GATE Score.
3. Admission Prospectus & Application Form can be downloaded only from Deenbandhu Chhotu Ram University of Science & Technology, Murthal (Sonapat) Website www.dcrustm.org
4. The filled in Application Form is to be submitted to the Registrar, Deenbandhu Chhotu Ram University of Science & Technology, Murthal (Sonapat): 131039 Haryana alongwith a draft of Rs. 1,000/- as application fee (Rs. 250 for SC Candidates of Haryana) drawn in favour of Registrar, payable at SBI, DCRUST, Murthal (Branch Code: 14374)
 - The envelope should be superscribed with “Application Form for Admission to M.E./M.Tech.” on its top.
 - The Applications received after due date shall not be entertained.
 - The University does not own any responsibility due to postal/courier delay in receipt of filled in Application Form with requisite fee.
5. This Admission Prospectus is for admission to M.E./M.Tech. courses for the Academic Year 2013-14 only. Its contents are subject to change without prior notice.
6. Only one Application Form is required for the courses belonging to a particular Cluster/Group. However, separate Application Forms alongwith separate application fees are required for courses belonging to different Clusters/Groups.
7. Nothing contained in this Admission Prospectus should be construed to convey sanction or cited as an authority for which University regulations alone are applicable.
8. Any candidate who has been disqualified or debarred by the University or Board or any other Statutory Board shall not be eligible for admission.
9. Canvassing in any form is strictly prohibited. Further, if any candidate, person or official engages himself / herself in any unlawful act or indulges in any kind of unfair means in the Test/Admission, he/she shall be liable to prosecution under relevant laws as per Indian Penal Code.
10. Before filling up the application form, the candidate must also ensure that he/she fulfils the minimum eligibility conditions.
11. All the admitted candidates will be governed by the Academic Regulations and/or Ordinance(s) as laid down by the respective University.
12. In the event of any inconsistencies in the rules or any clarification thereof, the matter shall be referred to the competent authority of the respective university for interpretation whose decision shall be final and binding.
13. Those applicants who do not furnish complete particulars in the application form will not be considered.

14. If a candidate is admitted on the basis of the information submitted by him/her which is found to be incorrect or false later on, his/her admission shall be cancelled and all fees and other dues paid by him/her shall be forfeited. University/ Institute may also take further action, as deemed fit, against the candidate and his/her guardian in accordance with law.
15. If the University/authorities are not satisfied with the character, past behaviour and antecedents of a candidate, they may refuse to admit him/her in the University/ Institute in order to ensure academic standards, discipline and peaceful atmosphere in the University/Institute.
16. Candidates seeking admission in private unaided institutions are advised to ensure that they are lawfully admitted, failing which they themselves shall be responsible for any such lapse.
17. All disputes pertaining to admissions in M.E./M.Tech. Courses for the session 2013-14 are subject to the jurisdiction of Sonapat only.
18. All rules and regulations for submission of migration certificate by the candidates who have passed the qualifying examinations from other Universities / Boards will be applicable as per the rules of the concerned university.
19. Haryana Residents are also entitled to admission against All India Category seats.
20. Reservation as per Haryana Govt. rules.
21. **Two Central Counsellings** will be conducted by DCRUST for admission to all M.E./M.Tech. Courses.
22. **1st Central Counselling** - shall be done for all categories namely AIC, HOGC, SC, BC-A, BC-B, SBC, EBP, PH, ESM (with all priorities) and FF of all categories SBC, EBC as per Haryana Govt. policy.
23. **2nd Central Counselling** - shall be done for all categories namely AIC, HOGC, SC, BC (by merging BC(A), BC(B), SBC and EBP in BC) and merging all (ESM priorities in ESM). After 2nd central Counselling, no central Counselling shall be conducted by DCRUST and admission shall be made through counselling at the concerned University/Deptt./ Institute level after merging the sub categories of a particular reserved category into the main reserved category. In the event of seats remaining vacant/unfilled, if any, the same shall be filled up before final cut off date of admissions without any reservation, first on the basis of GATE Score and then on basis of merit list of Entrance Test.
24. The candidates seeking admission to M.E./M.Tech. programme, who have appeared or are appearing in final semester examination of the qualifying degree, must have passed all the lower semesters examinations. Further, such candidates shall be required to submit the final proof of having passed the qualifying degree by 30th Sept., 2013 failing which their admissions shall stand cancelled and all the dues/ fees paid by them shall be forfeited.
25. The qualifying marks in Entrance Test for Admission to M.E./M.Tech. courses shall be overall 35% subject to the condition of obtaining minimum 25% in each part (A & B) of the Entrance Test. However, a relaxation of 5% shall be applicable at all stages of Entrance Test in case of SC category students.
26. Filling up of seats reserved for villages Murthal, Khanpur Kalan and Bhainswal Kalan shall be done by the respective Universities. However, a candidate desirous to take admission against such seat shall have to apply on the prescribed Application Form.
27. The fee structure for the affiliated College/Institute is to be obtained from the respective College/Institute.
28. Last date for admission is 31st July, 2013 as notified by AICTE and HSTES.

29. For refund of fee/ dues in the event of cancellation of admission, AICTE Guidelines are to be followed.
30. The admission to M.E./M.Tech. Course shall be open to the candidates who have passed the qualifying degree examination in any relevant discipline or equivalent from any Indian University included in the approved list of Association of Indian Universities (AIU) or any foreign university recognized by AIU.
31. Any increase / decrease in intake and addition of new courses in any University / Institution reported after the publication of the Prospectus shall be included in list at the time of counselling after approval of the Competent Authority.

Note:

1. The mode and manner, in which the counselling will be conducted, shall be notified in due course.
2. If a candidate is applying for admission to more than one course listed in the different clusters, he/she must fill the same choice(s) of Centre of Entrance Test in his/her Application Forms.

CHAPTER: 4 RESERVATION

Criteria for Seat Matrix for admission to M.E./M.Tech. Programmes as per HSTES Guidelines (with illustrations):

| Category | Code | Percentage |
|---|------|---|
| [a] All India Category Seats | AIC | 15% of the sanctioned intake |
| [b] State Quota | | 85% of the sanctioned intake |
| [b-1] Haryana Open General Category (General) | HOGC | 30% of State Quota i.e. 25.5% of total intake |
| [b-2] Reserved Categories of Haryana | | 70% of State Quota i.e. 59.5% of total intake |
| Scheduled Castes | SC | 20% of State Quota (17% of total intake) |
| Backward Classes of Haryana (A) | BCA | 16% of State Quota (13.6% of total intake) |
| Backward Classes of Haryana (B) | BCB | 11% of State Quota (9.3% of total intake) |
| Special Backward Classes | SBC | 10% of State Quota (8.5% of total intake) |
| Economically Backward Person in the General Castes Category | EBP | 10% of State Quota (8.5% of total intake) |
| Physically Handicapped | PH | 3% of State Quota (2.55% of total intake) |

Illustration Table for 100 sanctioned seats:

| Category | Code | Bifurcation of 100 Seats |
|--|--------------|--|
| All India Category Seats | (AIC) | @15% of 100=15 |
| State Quota | | @85% of 100=85 |
| State Quota is divided in the ratio of 30:70 between Haryana Open (General) and Reserved Categories of Haryana. | | |
| Haryana Open (General) | (HOGC) | @30% of 85=25.5* |
| Reserved Categories of Haryana | | @70% of 85=59.5=60* Δ |
| Bifurcation of 60 Seats for Reserved Categories of Haryana is as under: | | |
| Scheduled Castes | (SC) | @20% of 85=17 |
| Backward Classes of Haryana (A) | (BCA) | @16% of 85=13.6=14 |
| Backward Classes of Haryana (B) | (BCB) | @11% of 85=9.35=09** |
| Special Backward Classes | (SBC) | @10% of 85=8.5=09 Δ |
| Economically Backward Person in the General Castes Category | (EBP) | @10% of 85=8.5=09 Δ |
| Physically Handicapped | (PH) | @03% of 85=2.55=02** |
| ESM and their wards/Dependents of Freedom fighters and/Freedom Fighter | (ESM/DFF/FF) | 3% Horizontal=02** (seats given in circulation each out of Haryana Open General category, SC &BC quota as given above) |
| Total of [(SC)+(BCA)+(BCB)+(PH)+SBC+EBP and (ESM/DFF/FF)] | | 60 |

| | |
|--|-----------------------|
| Grand Total of [(AIC)+ (Hry.Gen)+ Reserved Categories of Haryana] | (15+25+60)=100 |
|--|-----------------------|

- * The seats reduced/increased can be interchanged with each other in rotation
- ** The seats reduced/increased can be interchanged with each other in rotation
- △ When 60 seats become 59 in rotation, the 9 seats correspondingly can be reduced to 8 correspondingly but also in rotation.

CHAPTER: 5

List of Courses University Wise

5.1. B.P.S. Mahila Vishwavidyalaya, Khanpur, Sonipat

5.1.1. Teaching Departments

| Name of Programme | Name of Course | Duration of Course | Sanctioned Intake |
|-------------------|--|--------------------|-------------------|
| M. Tech. | Network Security | 2 Years | 20 |
| M. Tech. | Fashion Technology- Functional Garments | 2 Years | 20 |
| M. Tech. | ICT (Subject to the approval from Academic Council & Executive Council). | 2 Years | 18 |

Note:

- For Khanpur kalan: 02 seats are reserved in an intake of 50 students in each course. In case the intake is more 50, then 02 seats in every block of 50 will be added.
- For Bhainswal Kalan: 01 seat is reserved in an intake of 50 students in each course. In case the intake is more than 50, then 01 seat will be increased for every block 50.
- The admission of students who are residents of Khanpur kalan and Bhainswal Kalan shall be against the seats reserved for Haryana Domicile (General).

5.1.2. Eligibility for admission in M.Tech. Courses

| Name of the Programme | Qualifying degree with relevant disciplines required for admission |
|--|---|
| M.Tech. Network Security | A candidate shall be eligible for admission to Master of Technology if she has passed the B. E./ B. Tech. with 50% marks aggregate in appropriate branch of engineering and technology as prescribed by the University. |
| Fashion Technology- Functional Garments | A candidate shall be eligible for admission to Master of Technology if she has passed the B. E./ B. Tech. with 50% marks aggregate in appropriate branch of engineering and technology as prescribed by the University. |
| ICT (Subject to the approval from Academic Council & Executive Council). | A candidate shall be eligible for admission to Master of Technology if she has passed the B. E./ B. Tech. with 50% marks aggregate in appropriate branch of engineering and technology as prescribed by the University. |

Other Conditions:

No candidate who is in employment (full time/part time/ honorary service) shall be eligible to take admission in M. Tech. programme without taking leave from her institute/ office from the date of admission to the termination of her examination including other essential requirements. She has to submit an affidavit in this regard. If found violation of this rules her admission shall stand cancelled.

5.2. Chaudhary Devi Lal University, Sirsa**5.2.1. Teaching Departments**

| Name of Programme | Name of Course | Duration of Course | Sanctioned Intake |
|-------------------|----------------|--------------------|-------------------|
| M. Tech. | CSE | 2 Years | 40 |

5.2.2. Eligibility for admission in M.Tech. Courses

| Name of the Programme | Qualifying degree with relevant disciplines required for admission |
|-----------------------|---|
| M.Tech. CSE | <p>A person who has passed one of the following examinations of this university or an examination recognized as equivalent thereto, shall be eligible to join the First Semester of the course: MCA, M Sc in Computer Science / Information Technology / Mathematics / Applied Mathematics/ Physics / Applied Physics / Statistics / Operational Research / Electronics/Bioinformatics / MBA (Information Technology) with at least 55% marks in aggregate (pass marks for SC candidates).</p> <p style="text-align: center;">OR</p> <p>BE/B Tech or equivalent degree in any discipline with at least 55% marks in aggregate (pass marks for SC candidates).</p> |

Other Conditions:

For M Sc aggregate marks of two years/four semesters will be considered for academic merit For MCA aggregate marks of three years/six semesters will be considered for academic merit For B. Tech/BE aggregate marks of 8 semesters/6 semesters (for lateral entry) will be considered for academic merit.

5.3. Deenbandhu Chhotu Ram University of Science & Technology, Murthal and its affiliated Colleges/ Institutes

5.3.1. Teaching Departments

| Name of Programme | Name of Course | Duration of Course | Sanctioned Intake |
|--------------------------|---|---------------------------|--------------------------|
| M. Tech. | Electrical (Power System) | 2 Years | 36 |
| M. Tech. | Electronics & Communication Engg. | 2 Years | 36 |
| M. Tech. | Mechanical Engineering | 2 Years | 36 |
| M. Tech. | Computer Science & Engineering | 2 Years | 36 |
| M. Tech. | Bio-Medical Engineering | 2 Years | 18 |
| M. Tech. | Electrical Engineering (I&C) | 2 Years | 18 |
| M. Tech. | Energy Studies & Environmental Management | 2 Years | 18 |
| M. Tech. | Bio-Technology | 2 Years | 18 |
| M. Tech. | Chemical Engineering | 2 Years | 18 |
| M. Tech. | Materials Science & Nano Technology | 2 Years | 18 |

Note:

One seat in M.Tech (ECE) is reserved for male of resident of Murthal and One seat in M.Tech/ M.E. is reserved for female of resident of Murthal.

- (i) The seat(s) reserved for Resident of Murthal (ROM), is/are considered as part of Haryana Open General Category (HOGC) i.e. such no. of seats are considered reserved out of HOGC category for Resident of Murthal.
- (ii) The filling up of ROM seat(s) in P. G. programme will be made on rotation basis among male & female candidates. If an eligible male candidate is not available then the seat will be filled up with female candidates & vice-versa.

5.3.2. List of Affiliated Colleges/ Institutes

| Sr. No. | Name of the College | Name of Programme | Name of Course | Duration of Course | Sanctioned Intake |
|----------------|---|--------------------------|-----------------------|---------------------------|--------------------------|
| 1. | B.M. Institute of Engg. & Tech., Sonapat-Bahalgarh Road, Behind Fazilpur Power Sub Station, V.P.O Raipur, Sonapat-131 001 | M. Tech. | ECE IT CSE | 2 Years | 18 18 18 |
| 2. | Bhagwan Parshu Ram College of Engg. Gohana, Distt. Sonapat-131301 | M. Tech. | ME ECE | 2 Years | 18 18 |

| | | | | | |
|-----|--|----------|---|---------|----------------------------------|
| 3. | Bharat Institute of Technology, Sonapat-Gohana Road, Near Mohana Police Station, Naina Tatarpur, Distt. Sonapat-131025 | M. Tech. | ME CE | 2 Years | 18 18 |
| 4. | Delhi Institute of Tech. & Management, Baraut, Ganuar, Distt Sonapat | M. Tech. | CSE ME | 2 Years | 36 24 |
| 5. | Gateway Institute of Engg. & Tech., Sector-11, Fazilpur, Sonapat-131001 | M. Tech. | ME CE CSE ECE | 2 Years | 24 24 24 24 |
| 6. | Hindu College of Engg., Industrial Area, Sonapat-131001 | M. Tech. | ECE CSE EE (Power Systems) | 2 Years | 18 18 18 |
| 7. | International Institute of Tech.& Management, 49 K.M. Stone, NH-1, Murthal Road Sonapat- 131039 | M. Tech. | ME CSE | 2 Years | 18 18 |
| 8. | International Institute of Tech. and Business, Vidyagram, Jhundpur, Sonapat-131023. | M. Tech. | ECE CSE | 2 Years | 18 18 |
| 9. | Mahaveer Swami Institute of Tech., Jagdishpur, Near O.P. Jindal Univ., Sonapat-131030 | M. Tech. | ECE CSE ME | 2 Years | 18 18 18 |
| 10. | P.M. College of Engg., Kami Road, Sonapat-131001. | M. Tech. | CSE ECE ME | 2 Years | 24 24 30 |
| 11. | Royal Institute of Management & Tech., VPO. Chidana, NH-71-A, Gohana, Panipat-Rohtak Road, Sonapat-131301. | M. Tech. | CSE ECE (2 nd shift full time) CE (1 st shift full time) CSE (2 nd shift full time) ECE (1 st shift full time) ME | 2 Years | 24 24 24 24 24 24 |
| 12. | Shri Balwant Institute of Technology, Meerut Road (Pallri), Near DPS, Sonapat. | M. Tech. | ME CSE ECE | 2 Years | 18 18 18 |
| 13 | South Point Institute of Technology & Management, Purkhas Road, Near Sugar Mills, Sonapat. | M. Tech. | CSE ECE | 2 Years | 24 24 |
| 14. | Tek Chand Mann College of Engg., 64 th K.M. Stone, NH-1, Chirashme, Ganuar, Distt. Sonipat | M. Tech. | ME ECE | 2 Years | 18 18 |

5.3.3 Eligibility for admission in M.Tech. Courses

| Name of the Programme | Qualifying degree with relevant disciplines required for admission |
|--|---|
| M. Tech. (Bio-Medical Engineering) | B.E./B.Tech. in Bio-Medical/Electrical/Electronics & Communication/Mechanical and Instrumentation Engg./M. Sc. in Bio-Medical Instrumentation/Medical Electronics/Electronics / Instrumentation/MBBS/BPT (four years course) |
| M. Tech. (Electrical Engineering- Instrumentation & Control) | B.E./B.Tech in Electrical Engineering / Electrical & Electronics Engineering / Control & Instrumentation / Control Engineering / Instrumentation / Electronics and Instrumentation / Instrumentation & Control / Electronics Engineering / Electronics & Communication Engineering / Electronics & Telecommunication Engineering / Electronics & Control / Biomedical Engineering |
| M. Tech. (Electrical Engineering – Power Systems) | B.E./B.Tech in Electrical Engineering / Electrical & Electronics Engineering /Electrical & Instrumentation / Control & Instrumentation / Instrumentation / Instrumentation & Controls/ Power Engineering. |
| M. Tech. (Electronics & Communication Engineering) | B.E./B.Tech in Electronics Engineering / Electronics & Instrumentation Control/ Instrumentation & Control/ Electronics & Communication Engg./Electronics & Telecommunication Engg./Electronics Instt. & Control/Electrical & Electronics Engg./Electrical Engg./ Instrumentation Engg./Bio Medical Engg. |
| M. Tech. (Mechanical Engineering) | B.E./B.Tech in Mechanical Engg./ Production Engg./Automobile Engg./Industrial Engg./ Aeronautical Engg. |
| M. Tech. (Computer Science & Engineering) | B.E./B.Tech in Computer Science & Engg./ Information Tech./Electronics/Electronics & Communication Engg./Electronics & Telecommunication/ Electronics & Instrumentation Control |
| M. Tech. (Energy Studies & Environmental Management) | B.Tech. /B.E./ Master of Science degree in any discipline. |
| M. Tech. (Bio-Technology) | B.E./ B.Tech./ B. Pharma./ M.Sc in Biotechnology, Microbiology, Biochemistry, Genetics, Molecular Biology, Biophysics, Bioinformatics, Biosciences, Life Sciences, Pharmacy, Medical sciences, Veterinary Sciences |
| M. Tech. (Chemical Engineering) | B.E./B.Tech in Chemical Engg./Chemical Technology/ Food Technology/ Environmental Engg./ Polymer Tech. / Paper Tech./ Petroleum Engg. / Chemical Science/ Sugar Tech./Oil Tech./Plastic Tech./ Leather Tech. Bio-Chemical Engg/ Ceramic Engg./ Metallurgical Engg. |
| M.Tech. (Material Science & Nano-technology) | B.E./B.Tech. in Material Science & Engineering/Material Science/Nanotechnology/Chemical Engineering/Biotechnology/Bio-medical Engineering/Electronics & Communication |

| | |
|--|--|
| | Engineering/Mechanical Engineering/Electrical Engineering/Ceramic Engineering/M.Sc. Chemistry/Physics/Nanoscience/Nanotechnology |
|--|--|

5.4. Guru Jambheshwar University of Science & Technology, Hissar & its affiliated Colleges/ Institutes

5.4.1. Teaching Departments

| Name of Programme | Name of Course | Duration of Course | Sanctioned Intake |
|--------------------------|---|---------------------------|--------------------------|
| M. Tech. | Computer Science & Engineering | 2 Years | 30 |
| M. Tech. | Environmental Science & Engineering | 2 Years | 20 |
| M. Tech. | Electronics & Communication Engineering | 2 Years | 20 |
| M. Tech. | Mechanical Engineering | 2 Years | 20 |
| M. Tech. | Printing Technology | 2 Years | 20 |
| M. Tech. | Nano Science & Technology | 2 Years | 20 |
| M. Tech. | Optical Engineering | 2 Years | 20 |
| M. Tech. | Food Engineering | 2 Years | 20 |
| M. Tech. | Geo- Informatics | 2 Years | 20 |
| M. Tech. | Bio-Medical Engg. | 2 Years | 20 |

5.4.2. List of Affiliated Colleges/ Institutes

| Sr. No. | Name of the College | Name of Programme | Name of Course | Duration of Course | Sanctioned Intake |
|----------------|--|--------------------------|-----------------------|---------------------------|--------------------------|
| 1. | Manav Institute of Technology & Management, VPO- Jevra, Barwala Road, Hissar | M.Tech. | ECE CSE | 2 Years | 18 18 |
| 2. | Om Institute of Technology & management, 12 K. M. Stone, VPO- Juglan, Hissar | M.Tech. | CSE ECE ME | 2 Years | 18 18 18 |
| 3. | Prannath Parnami Institute of Management and Technology, Near Panchmukhi Mandir, Rajgarh Road, Chaudharywas Hissar | M.Tech. | ECE ME | 2 Years | 18 18 |
| 4. | Jan Nayak Ch. Devi Lal Memorial College of Engg., Post Box No. 81, Barnala | M.Tech. | ECE CSE ME | 2 Years | 18 18 18 |

| | | | | |
|--|--------------------|--|---|----|
| | Road, Sirsa-125055 | | EEE(Power Electronics And Drives) | 18 |
| | | | CE(Construction Technology & Management) | 18 |
| | | | CSE (Second Shift) | 18 |
| | | | ECE (Second Shift) | 18 |

5.4.3 Eligibility for admission in M.Tech. Courses

| Name of the Prog. | Qualifying degree with relevant disciplines required for admission |
|---|---|
| M.Tech. (Computer Science & Engineering)-4 Semesters | B.E./ B.Tech. or equivalent degree in Computer Engineering/ Computer Science & Engineering/ Computer Technology/ IT with at least 55% (50% for SC Candidates of Haryana) marks along with Valid GATE score. OR MCA or M.Sc. (CS/IT/Software) with at least 55% (50% for SC candidates of Haryana) marks with mathematics at 10+2 level alongwith valid GATE Score. |
| M.Tech. (Printing Technology)-4 Semesters | B.E./ B.Tech. degree in Printing Technology/ Packaging Technology, B.Tech. (Printing & Packaging Technology) and B.Tech. (Printing, Graphics & Packaging) with at least 55% (50% for SC Candidates of Haryana) marks or equivalent with valid GATE score. |
| M.Tech. (Electronics & Communication Engineering)-4 Semesters | B.E./ B.Tech. degree in Electronics Engineering/ Micro Electronics/ Electronics and Communication Engineering / Electronics & Instrumentation Engineering / Electronics & Telecommunication Engineering / Electronics & Control/ Electrical & Electronics with at least 55% (50% for SC Candidates of Haryana) marks or equivalent with valid GATE score. |
| M.Tech. (Mechanical Engineering)-4 Semesters | B.E./ B.Tech / AMIE in Mechanical Engineering/ Production Engineering/ Automobile Engg. with at least 55% (50% for SC Candidates of Haryana) marks with valid GATE score. |
| M.Tech. (Environmental Science & Engineering)-4 | M.Sc. Environmental Sciences or M.Sc. Industrial Chemistry/Chemistry or M.Sc. Applied Physics/ Physics, All Life Sciences or B.E./B.Tech. or equivalent degree in Mechanical/ Chemical/ Electrical/ Civil/ Agricultural Engineering/ Biomedical Engineering with at least 55% (50% for SC Candidates of Haryana) marks and valid GATE score. |
| M.Tech. (Geo-informatics)-4 Semesters | M.Sc. Earth Science/ Environmental Sciences/ Agro-meteorology/ Agronomy/ Soil/ Physics/Geo-physics/Applied Geology/ Mathematics/ Remote Sensing/ Computer Sciences/ IT/ Software/ Geology/ Oceanography/ Urban and Regional Planning/ Geography (M.A./ M.Sc.)/ MCA/B.E./ B.Tech. in Civil/ I.T./ Electronic & Communication/ Computer/ Mechanical Engg./ Agricultural Engg./ Electrical Engineering/ Electronic and Electric Engg. with at least 55% marks in qualifying exam. (50% for SC/ST candidates of Haryana). |
| M.Tech. (Nano Science & Technology) - | B.Tech./ B.Pharma./ M.Sc. in Biotechnology, Biochemistry, Molecular Biology, Biomedical, Electronics, Electrical, Computer Science, Mechanical, Physics, Chemistry, Material Science, Life Sciences, Textile Technology, Textile Chemistry, |

| | |
|--|--|
| 4 Semesters | with at least 55% (50% for SC Candidates of Haryana) marks or equivalent with valid GATE Score. |
| M.Tech. (Food Engineering) - 4 Semesters | B.Tech. (Food Engineering/ Food Process Engineering/ Food Technology/Dairy Technology/ Dairy Engineering/ Agri Process Engineering)/ Biotechnology with at least 55% (50% for SC candidates of Haryana) marks and valid GATE score. OR M.Sc. (Food Technology/ Food Science and Technology/ Food Processing and Technology)/ Biotechnology with at least 55% (50% for SC candidates of Haryana) marks and valid GATE score. |
| M.Tech. (Optical Engineering) - 4 Semesters | B.E./ B.Tech. Degree in Electronics Engineering / Electronics & Communication Engineering / Electronics & Instrumentation Engineering / Electronics and Electrical Engineering/ Mechanical Engineering/ Computer Science & Engineering / Information Technology with at least 55% (50% for SC Candidates of Haryana) marks or equivalent with valid GATE score. OR M.Sc. (Electronics/ Electronic Science)/ M.Sc. (Physics/ Applied Physics) with 55% (50% for SC Candidates of Haryana) marks or equivalent with Valid GATE score. |
| M.Tech. (Biomedical Engineering) - 4 Semesters | B.E./ B.Tech. degree in Biomedical Engineering/ Biomedical Instrumentation/ Medical Electronics/ Electronics/ Electronics & Communication/ Instrumentation/ Electronics & Instrumentation/ Instrumentation/ Instrumentation & Process Control/ Electronics & Control/ Electronics & Electrical Engineering with at least 50% (45% for SC candidates of Haryana) marks or equivalent with valid GATE Score. OR M.Sc. in Electronics/ Electronic Science/ Biomedical Sciences/ Bio-Physics/ Physics/ Applied Physics with 50% (45% for SC candidates of Haryana) marks or equivalent with valid GATE Score. OR MBBS with 50% (45% for SC candidates of Haryana) marks. |

5.5. Kurukshetra University, Kurukshetra and its affiliated Colleges/Institutes

5.5.1. University Teaching Departments & UIET

| Name of Dept./ Institute | Name of Programme | Name of Course/ Subject | Duration of Course | Sanctioned Intake |
|--------------------------|-------------------|-----------------------------------|--------------------|-------------------|
| Electronic Science | M. Tech. | Microelectronics & VLSI Design | 2 Years | 30 |
| Electronic Science | M. Tech. | Nano Sci. & Tech. | 2 Years | 20 |
| Instrumentation | M. Tech. | Instrumentation Engg. | 2 Years | 20 |
| Comp. Sc. & Appl. | M. Tech. | Computer Sci. & Engg. | 2 Years | 60 |
| Environmental Studies | M. Tech. | Energy & Environmental Management | 2 Years | 20 |
| UIET | M. Tech. | Software Engg. | 2 Years | 20 |
| UIET | M. Tech. | Electronics & Communication Egg. | 2 Years | 20 |
| UIET | M. Tech. | Bio- Technology | 2 Years | 20 |

| | | | | |
|------|----------|--|---------|----|
| UIET | M. Tech. | Computer Engg. | 2 Years | 20 |
| UIET | M. Tech. | Mechanical Engg. (Industrial & Production Engg.) | 2 Years | 18 |
| UIET | M. Tech. | Mechanical Engg. (Thermal Engg.) | 2 Years | 18 |
| UIET | M. Tech. | Electrical Engg. | 2 Years | 18 |
| UIET | M. Tech. | Material Sci. & Tech. | 2 Years | 18 |

5.5.2. List of Affiliated Colleges/ Institutes

| Sr. No | Name of the College | Name of Prog. | Name of Course | Duration of Course | Sanctioned Intake |
|--------|---|---------------|--|--------------------|--|
| 1. | Ambala College of Engineering & Applied Research, Devsthal, Near Mithapur Jagadhari Highway (Distt. Ambala) | M. Tech. | Bio- Tech. ECE ME CSE | 2 Years | 18 18 18 18 |
| 2. | Shivalik College of Education, Vill- Aliyaspur, P.O.- Zafarpur, Dosarka-Sadhaura Road, Distt.- Ambala. | M. Tech. | CSE | 2 Years | 18 |
| 3. | Shree Ram Mulkh Institute of Engg. & Tech., Vill- Khora Bhara, Tehsil- Naraingarh, Distt.- Ambala | M. Tech. | ECE | 2 Years | 18 |
| 4. | Guru Nanak Instt. of Tech., Vill- Sohana (Near Mullana), Distt.- Ambala | M. Tech. | CSE ECE | 2 Years | 18 18 |
| 5. | E-max Group of Institutions, Vill- Gola, P.O. Bhadauli, Tehsil- Mullana, Distt.- Ambala | M. Tech. | EE ME | 2 Years | 24 24 |
| 6. | E-max School of Engg & Applied Research, Vill- Gola, P.O. Bhadauli, Tehsil- Mullana, Distt.- Ambala | M. Tech. | CSE ECE | 2 Years | 24 24 |
| 7. | Jind Institute of Engg., Jind | M. Tech. | CSE ECE | 2 Years | 18 18 |
| 8. | Indus Institute of Engg. & Technology, Kinana, Distt- Jind | M. Tech. | ME ECE | 2 Years | 24 24 |
| 9. | Haryana College of Engg. & Tech. Ambala Road, Kaithal | M. Tech. | 1st Shift ECE CSE ME CE EEE 2nd Shift ECE CSE | 2 Years | 18 18 18 18 18 18 18 18 |
| 10. | Doon Vally Institute of Engineering & Technology, Karnal | M. Tech. | ECE CSE EEE ME | 2 Years | 18 36 36 24 |

| | | | | | |
|-----|--|----------|---|---------|----------------------|
| | | | IT | | 24 |
| 11. | RP Inderaprastha Institute of Technology, Vill- Bastara, Tehsil- Gharaunda, Distt.- Karnal. | M. Tech. | ME ECE | 2 Years | 18 18 |
| 12. | Apex Institute of Management & Technology, Vill- Gorgarh, Tehsil- Indri, Distt.- Karnal | M. Tech. | ECE ME | 2 Years | 18 18 |
| 13. | Kurukshetra Institute of Technology & management, Vill- Bhor Saidan, Pehowa Road, Kurukshetra | M. Tech. | CSE ECE | 2 Years | 24 18 |
| 14. | Geeta Institute of Management & Tech., 166 km. Milestone, N. H. -1, Vill- Kanipla, P.O.- Khanpur Thesil- Thanesar, Kurukshetra | M. Tech. | CSE ME Civil | 2 Years | 18 18 18 |
| 15. | Modern Institute of Engg. & Technology, Vill- Mohri, Tehsil- Shahabad, Near Ambala | M. Tech. | ME CSE | 2 Years | 24 24 |
| 16. | Swami Devi Dyal Institute of Engg. & Tech., Vill- Golpura, Tehsil- Barwala, Distt.- Panchkula | M. Tech. | ECE ME CSE | 2 Years | 18 18 18 |
| 17. | Panchkula Engg. College, Mouli, Nearest city, Panchkula | M. Tech. | CSE ECE | 2 Years | 18 18 |
| 18. | Panipat Institution of Textile & Engg., 70km stone, GT Road, Samalkha, Panipat | M. Tech. | ECE CAD/CAM CSE Manufacturing System Engg. | 2 Years | 18 18 18 18 |
| 19. | R. N. College of Engg. & Technology, Vill- Mohindipur Thirana, Tehsil- Madlauda, Assandh Road, Distt- Panipat | M. Tech. | CSE | 2 Years | 18 |
| 20. | Geeta Engg. College, Gohana Road, Panipat | M. Tech. | ME CSE | 2 Years | 18 18 |
| 21 | N.C. College of Engg., Israna, Panipat (Autonomous Status) | M. Tech. | ECE ME CSE | 2 Years | 18 18 18 |
| 22 | Seth Jai Prakesh Mukand Lal Inst. of Engg. & Tech. Radaur (Distt.- Yamuna Nagar) | M. Tech. | CSE ECE | 2 Years | 18 18 |
| 23 | Mahrishi Ved Vyas ENgg. College, Bilaspur Road, Jaroda Gate, Yamuna Nagar | M. Tech. | CSE ECE | 2 Years | 24 24 |
| 24 | Institute of Science & Tech., Kalawad, Yamuna Nagar | M. Tech. | ECE | 2 Years | 18 |
| 25 | Haryana Engineering College, Jagadhri | M. Tech. | CSE ME | 2 Years | 24 24 |
| 26 | Ganpati Insitute of Technology & Management, Bilaspur, Yamuna Nagar | M. Tech. | CSE ME | 2 Years | 24 24 |
| 27 | Yamuna Institute of Engineering & Technology, Vill.- Gadholi, P.O.- Gandhola, | M. Tech. | CSE ECE | 2 Years | 30 30 |

| | | | | | |
|-----|---|----------|--|---------|----------------|
| | Teshil- Jagadhari (Yamuna Nagar) | | | | |
| 28 | Global Research Institute of Tech. & Mgt. Nachraun, Yamuna Nagar. | M. Tech. | CSE ECE | 2 Years | 24 24 |
| 29. | Galaxy Global Imperial Technical Campus, Dinarpur, Ambala | M.Tech. | CSE 1 st shift CSE 2 nd shift – | 2 Years | 24 24 |
| 30. | Galaxy Global Educational Trust Group of Institutions, Dinarpur, Ambala | M.Tech. | ECE ME | 2 Years | 24 24 |
| 31. | S.B.Institute of Engg. & Tech., Pundri, Kaithal | M.Tech. | ECE | 2 Years | 18 |
| 32. | NNSS Samalkha Group of Institutions, Samalkha, Panipat | M.Tech. | ECE CSE ME | 2 Years | 18 18 18 |
| 33. | Shree Siddhivinayak Group of Institutions | M.Tech. | CSE ECE | 2 Years | 24 24 |

Note:

The no. of seats may increase / decrease subject to AICTE approval.

The reservation of seats will be as per the reservation policy of the Haryana Govt. and is subject to any change/amendment made by the State Govt. from time to time.

5.5.3 Eligibility for admission in M.Tech. Courses

| Name of the Programme | Qualifying degree with relevant disciplines required for admission |
|---|---|
| M. Tech. Microelectronics & VLSI Design | B.E./B.Tech. or its equivalent in Electronics/ Electronics and Communications/Electrical & Electronics/Electronics & Instrumentation with atleast 50% marks in aggregate (45% marks for SC/ST candidates). OR M.Sc. Electronic Science/Electronics with atleast 50% marks (45% marks for SC/ST candidates). |
| M.Tech. (Nano Sc. & Tech.) | B.Tech./B.Pharm./M.Sc. in any allied subject of Life Sciences/Physical Sciences/Earth Sciences with at least 50% marks (45% marks for SC/ST candidates). |
| M. Tech. Computer Sc. & Engg. | (i) M.Sc. in Computer Science/Computer Science (Software)/Mathematics/Applied Mathematics/ Physics/Applied Physics/Statistics Operational Research/Electronics/Information Tech. with atleast 50% marks in aggregate (45% marks for SC/ST candidates) OR (ii) M.C.A./M.Tech. in Geophysics with atleast 50% marks in aggregate (45% marks for SC/ST candidates). OR |

| | |
|--|---|
| | <p>(iii) B.E./B.Tech. in any discipline with atleast 50% marks in aggregate (45% marks for SC/ST candidates).</p> <p>OR</p> <p>Candidates with AMIE Examination in the relevant discipline will be considered only provided that they have passed the AMIE examination with 50% marks (45% marks for SC/ST candidates) after having passed Diploma examination in the relevant discipline with 50% marks (45% marks for SC/ST candidates) and have atleast 5 years research or teaching or professional experience.</p> <p>A candidate should have qualified the National Level Entrance Test (NET)/State Level Entrance Test' (SLET)/Graduate Aptitude Test for Engg. (GATE). However, the seats remaining vacant shall be offered to the candidates without NET/SLET/GATE in case they have secured at least 50% marks (45% marks for SC/ST candidates) in M.Sc./B.E./B.Tech./M.Tech. Geophysics degree examination in the relevant discipline and as mentioned in (i) above.</p> |
| M.Tech. (Energy & Environmental Mgt.) | B.Tech./B.E./M.Sc. Environment Science or any allied subject of Life Sciences/Physical Sciences/Earth Science with atleast 50% marks in aggregate (45% marks for SC/ST candidates). |
| M.Tech. Instrumentation Engg. (Credit based system) | <p>B.E./B.Tech. or its equivalent in Instrumentation/ Electronics & Instrumentation/Electronics/Electrical & Electronics/Electronics & Communication, Electrical & Instrumentation & Control Engg./Applied Electronics & Instrumentation/Bio-Medical Instrumentation/Engg. with at least 50% marks (45% marks for SC/ST candidates).</p> <p>OR</p> <p>M.Sc. Electronic Science/Electronics/Physics with' specialization in Electronics or Instrumentation with at least 50% marks in aggregate (45% marks for SC/ST candidates).</p> |
| M.Tech. Electronics & Communication Engg. (Credit based system) | <p>B.E./B.Tech. in Electronics & Communication Engg./ Electronics Engg./Electrical and Electronics Engg./Electrical Engg./Telecommunication Engg. from any AICTE approved Institution with overall minimum 50% marks in aggregate or equivalent CGPA (minimum 45% marks in aggregate or equivalent CGPA for SC/ST candidates), preferably with valid GATE score.</p> <p>OR</p> <p>M.Sc. in Electronics/Electronic Science from a recognized</p> |

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| | UGC approved University/Institution with overall minimum 50% marks in aggregate or equivalent CGPA (minimum 45% marks in aggregate or equivalent CGPA for SC/ST candidates), preferably with valid GATE score. |
| M.Tech, Computer Engg. (Credit based system) | B.E./B.Tech. or its equivalent either in Computer Sc. & Engg./Information Technology/Electronics & Communication/Telecommunication from AICTE approved Institutions with overall 50% marks in aggregate or equivalent CGPA (minimum 45% marks in aggregate or equivalent CGPA for SC/ST candidates), preferably with valid GATE score. OR M.Sc. in Computer Science/Information Technology/Electronics from UGC approved institutions with overall minimum 50% marks in aggregate or equivalent CGPA (minimum 45% marks in aggregate or equivalent CGPA for SC/ST candidates), preferably with valid GATE score. OR M.C.A. from AICTE/UGC approved institutions with overall minimum 50% marks in aggregate or equivalent CGPA (minimum 45% marks in aggregate or equivalent CGPA for SC/ST candidates), preferably with valid GATE score. |
| Biotechnology (Credit based system) | B.E./B.Tech. in Bio-technology or Biomedical Engg. from AICTE/UGC/ICAR approved Institution with overall minimum 50% marks in aggregate or equivalent CGPA (minimum 45% marks in aggregate or equivalent CGPA for SC/ST candidates), preferably with valid GATE score. OR B.Pharmacy/Master's degree in Microbiology/Biochemistry/Medical Biotechnology/Veterinary Microbiology/Veterinary Biochemistry/Animal Biotechnology/Molecular Biology/Biotechnology from any AICTE/ UGC/ICAR approved Institution with overall minimum 50% marks in aggregate or equivalent CGPA (minimum 45% marks in aggregate or equivalent CGPA for SC/ST candidates), preferably with valid GATE score. |
| M.Tech. Software Engg. | B.E./B.Tech. or its equivalent in Computer Science & Engg./Information Technology/Electronics and Communication/Telecommunication Engg. with at least 50% marks in aggregate (45% marks for SC/ST candidates). OR M.Sc. in Computer Science/Information Technology/Electronics with at least 50% marks in aggregate (45% |

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| | marks for SC/ST candidates). OR Master of Computer Applications with atleast 50% marks in aggregate (45% marks for SC/ST candidates). |
| M.Tech. Mechanical Engg. (IPE & TE) (Credit based system) | B.E./B.Tech./AMIE(Mechanical/Thermal/Automobile/ Manufacturing/Mechatronics from AICTE approved Institutions with overall minimum 50% marks in aggregate or equivalent CGPA (minimum 45% marks for SC/ST candidates) |
| M.Tech. (Material Sci. & Tech.) (credit based system) | B.E/B.Tech. in Material Science/Material Engg./Mechanical Engg./Chemical Engg./Ceramic Engg./Polymer Engg. or its equivalent from any AICTE approved institution with at least 50% marks in aggregate (45% marks for SC/ST candidates), preferably with valid GATE score. OR M.Sc. in Material Science/Physics/Applied Physics/Electronics/Electronic Science/Chemistry/Nanotechnology or its equivalent from UGC approved institutions with at least 50% marks in aggregate (45% marks for SC/ST candidates), preferably with GATE score. |

5.6. Maharshi Dayanand University, Rohtak and its affiliated Colleges/Institutes

5.6.1. Teaching Departments

| Name of Programme | Name of Course/ Subject | Duration of Course | Sanctioned Intake |
|--------------------------|----------------------------------|---------------------------|--------------------------|
| M.Tech | Comp. Science & Engg. | 2 Years | 18 |
| M.Tech | Software Engineering | 2 Years | 18 |
| M.Tech | ECE | 2 Years | 18 |
| M.Tech | M.E (Manufacturing & Automation) | 2 Years | 18 |
| M.Tech | Biotechnology | 2 Years | 18 |
| M.Tech | Computer Science | 2 Years | 30 |

5.6.2. List of Affiliated Colleges/ Institutes

| Sr. No. | Name of the College | Name of Prog. | Name of Course | Duration of Course | Sanctioned Intake |
|---------|---|---------------|--|--------------------|----------------------------------|
| 1 | B.R.C.M. College of Engg. & Technology, Bahal, Distt. Bhiwani | M. Tech. | ME (Manufacturing Technology & Automation) ECE EEE CSE ME-Machine Design | 2 Years | 18 24 18 24 18 |
| 2 | Bhiwani Institute of Tech. & Science Kharakhari, By Pass Bhiwani | M. Tech. | CSE Manufacture & Automation ECE Software Engineering | 2 Years | 18 18 18 18 |
| 3 | Technological Institute of Textiles and Sciences, Bhiwani. | M. Tech. | Textile Tech. CSE Fashion & Apparel Engg. | 2 Years | 18 30 18 |
| 4 | Al-Falah School of Engg. Faridabad <u>Autonomous Status Institutes</u> | M. Tech. | ECE ME CSE VLSI Design EE(Power System) ME (Machine Design) | 2 Years | 18 18 18 18 18 18 |
| 5 | B.S. Anangpuria Inst. Of Tech. & Management, Alampur, Distt. Faridabad | M. Tech. | CSE VLSI Design & Embedded Systems) ME (Thermal Engineering) | 2 Years | 18 24 24 |
| 6 | Echelon Institute of Technology, Kabulpur, Faridabad. | M. Tech. | CSE ECE ME | 2 Years | 18 24 24 |
| 7 | Manav Rachna College of Engg. Faridabad | M. Tech. | ME CSE | 2 Years | 18 18 |
| 8 | Rawal Institute of Engineering & Technology, Sohana Road, Faridabad, Near village Zakopur, Ballabgarh, Faridabad. | M. Tech. | Machine Design Signal Processing | 2 Years | 18 18 |
| 9 | B.M. College of Technology & Management, Vill. Hari Nagar (Dumha), Farukh Nagar, Distt. Gurgaon. | M. Tech. | ME CSE | 2 Years | 18 18 |
| 10 | Daronacharya College of Engg. Farukh Nagar, Gurgaon. | M. Tech. | ECE ME | 2 Years | 24 24 |
| 11 | Global Institute of Technology & Management, 5KM Mile Stone, Khera Khurampur, Farukhnagar, Hailimandi Road, Gurgaon | M. Tech. | ECE | 2 Years | 18 |

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|----|---|----------|---|---------|----------------------------------|
| 12 | Gurgaon College of Engineering, Bilaspur-Tauru Road, Gurgaon | M. Tech. | CSE | 2 Years | 18 |
| 13 | Gurgaon Institute of Technology & Mgt. Bilaspur Taurau Road, Gurgaon | M. Tech. | CSE ECE ME | 2 Years | 18 18 18 |
| 14 | KIIT College of Engg. Sohna Road, Bhondsi (Gurgaon) | M. Tech. | ECE CSE | 2 Years | 30 24 |
| 15 | Savera Educational Trust Group of Institutions, 1 KM Stone, Haily Mandi Road, Farookh Nagar, Gurgaon, Haryana | M. Tech. | ECE CSE | 2 Years | 18 18 |
| 16 | SGT Institute of Engineering & Technology, Gurgaon-Jhajjar Road, Gurgaon, Haryana, Distt. Gurgaon | M. Tech. | CSE ECE Manufacturing and Automation | 2 Years | 18 18 18 |
| 17 | World College of Technology & Management, Farukh Nagar-Haley Mandi Road, Gurgaon | M. Tech. | ECE CSE Software Engg. | 2 Years | 18 18 18 |
| 18 | CBS Group of Institutions, Village Fatehpuri, Distt. Jhajjar (2009-10) | M. Tech. | Manufacturing and Automation ECE 2nd Shift | 2 Years | 18 18 |
| 19 | Dalal Global Institute of Technology, VPO Brahana, Tehsil Beri, Distt. Jhajjar | M. Tech. | CSE | 2 Years | 18 |
| 20 | DPG Institute of Technology & Management, Sector-34, Near Hero Honda Chowk, Gurgaon | M. Tech. | ECE CSE | 2 Years | 18 18 |
| 21 | Ganga Institute of Architecture & Town Planning, Vill. Kablana, Bahadurgarh, Jhajjar Road, Distt. Jhajjar. | M. Tech. | Landscape Architecture | 2 Years | 20 |
| 22 | Ganga Institute of Technlogy & Management, 20 KM Miles Stone, Jhajjar Bahadurgarh Road, Vill. Kablana, Distt. Jhajjar | M. Tech. | ECE CSE Elect. & Power System Machine Design Structural Design) | 2 Years | 24 24 18 24 24 |
| 23 | Management Education and Research Institute (MERI) Asanda, Near Sampla, Distt. Jhajjar | M. Tech. | ECE CSE | 2 Years | 24 24 |
| 24 | PDM College of Engg. Sarai Aurangabad Bahadurgarh, Jhajjar. | M. Tech. | CSE Design of Mech. Equipment Software Engg. Inst. & Control Engg. ECE ECTC | 2 Years | 24 18 18 18 24 18 |

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|----|---|----------|---|---------|----------------------------|
| | | | CSE Machine Design and Robotics | | 18 18 |
| 25 | PDM College of Engineering for Women, Village-Sarai Aurangabad, Bahadurgarh, District Jhajjar | M. Tech. | ECE CSE | 2 Years | 18 24 |
| 26 | PDM School of Technology and Management, Sector-34, Sarai Aurangabad, Bahadurgarh, Distt. Jhajjar | M. Tech. | CE CSE | 2 Years | 18 18 |
| 27 | School of P.G. Engineering, Soldha, Bahadurgarh-Badli Road, Bahadurgarh, Jhajjar. | M. Tech. | CSE Electric Power System Structural Design ECE Embedded Systems and VLSI Design Machine Design | 2 Years | 18 18 18 18 18 |
| 28 | World Institute of Technology & Management, 8 KM Stone Palwal Road, Sohna Bhirawati, Mewat | M. Tech. | ECE | 2 Years | 18 |
| 29 | Rao Pahlad Singh College of Engineering & Technology, Vill. Balana, District Mohindergarh | M. Tech. | CSE | 2 Years | 18 |
| 30 | Suraj College of Engineering & Technology Bucholi Road, Mohindergarh | M. Tech. | CSE ECE | 2 Years | 18 18 |
| 31 | Advanced Institute of Technology & Management, Aurangabad, Tehsil Hodal, Distt. Palwal (2006) | M. Tech. | CSE ME ECE | 2 Years | 36 36 18 |
| 32 | Advanced College of Engineering & Management, Vill. Aurangabad, Tehsil Hodal, Distt. Faridabad | M. Tech. | CSE | 2 Years | 24 |
| 33 | Applied College of Management & Engineering, at 72 Km Stone, NH-2, Delhi Mathura Road, Vill. Mitro, Distt. Faridabad | M. Tech. | ECE | 2 Years | 18 |
| 34 | Delhi Institute of Technology, Management & Research, Ballabgarh, Faridabad, Haryana, | M. Tech. | CSE ME | 2 Years | 24 24 |
| 35 | Delhi College of Technology & Management, 7th Km | M. Tech. | ECE ME (Design) CSE | 2 Years | 18 24 24 |

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|----|---|----------|--|---------|--|
| | Stone NH-2, Gudhrana, Hodal, Distt. Faridabad | | | | |
| 36 | NGF College of Engineering & Technology, Aurangabad, Tehsil-Hodal, Distt. Faridabad | M. Tech. | ECE ME CSE | 2 Years | 18 18 18 |
| 37 | Rattan Institute of Technology & Management, Vill. Saveli, Tehsil Hodal, Distt. Faridabad | M. Tech. | ME CE | 2 Years | 18 18 |
| 38 | Satya College of Engineering & Technology, Vill. Mitrol, Tehsil-Hodal, Distt. Faridabad | M. Tech. | ECE ME | 2 Years | 18 18 |
| 39 | Shri Ram College of Engineering & Management, Vill. Aurangabad, Tehsil Hodal, Distt. Faridabad (2008-09) | M. Tech. | ME CSE | 2 Years | 24 24 |
| 40 | Mata Raj Kaur Institute of Engineering & Technology, Vill. Gangoli, P.O. Saharanwas, Distt. Rewari. | M. Tech. | ECE CSE | 2 Years | 18 18 |
| 41 | Somany Institute of Tech. & Mgt., Rewari. | M. Tech. | ECE CSE ME Printing & Graphics Printing Technology | 2 Years | 24 18 18 18 18 |
| 42 | Rohtak Institute of Engineering & Management, 5 KM Rohtak Panipat Road, NH-71A, Rohtak | M. Tech. | CSE EE (Power System) | 2 Years | 24 24 |
| 43 | R.N. Engineering & Management College for Women, Vill. Markrauli Kalan, Rohtak Gohana Road, Rohtak Pt. Ram Narain Shastri Education Society, Vill. Makrauli Kalan, Rohtak | M. Tech. | ECE CSE | 2 Years | 18 18 |
| 44 | Sat Priya Institute of Engg. & Technology, 0.5 KM Mile Stone Jind Road, Rohtak (2007) | M. Tech. | CSE | 2 Years | 18 |
| 45 | Shri Baba Mast Nath Engg. College, Asthal, Bohar, Rohtak. | M. Tech. | M.E. (Automation & Manufacturing) ECE CSE CE (Transportation) ECE (2nd Shift) CSE (2nd shift) ME (2nd shift) | 2 Years | 24 24 18 18 18 24 24 |

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|----|--|----------|--|---------|----------------------------|
| 46 | Vaish College of Engineering, Rohtak | M. Tech. | ECE ME CSE | 2 Years | 18 60 18 |
| 47 | University Institute of Engg & Technology, M D U, Rohtak | M. Tech. | CSE Software Engg ECE Manufacturing & Automation Biotechnology | 2 Years | 24 18 18 24 18 |

5.6.3 Eligibility for admission in M.Tech. Courses

| Name of the Programme | Qualifying degree with relevant disciplines required for admission |
|-------------------------------|--|
| M.Tech. Comp. Science & Engg. | <p>i. B.E./B.Tech. or equivalent degree in Computer Science & Engineering /Computer Engineering/ Information Technology /Electronics & Communication Engineering /Electronics Engineering / Electrical & Electronics Engineering/Electronics & Instrumentation Engineering/Electrical Engineering or Master of Computer Applications (MCA) or M.Sc. (Computer Science /IT /Software) or M.Sc. (Maths.) or M.Sc. (Physics) with at least 50% (45% marks for SC/ST candidates of Haryana only) marks in aggregate alongwith valid GATE score in Computer Science & Engineering/IT.</p> <p>ii. If GATE qualified candidates are not available, the remaining seats will be filled up by the candidates having qualifications as prescribed under (i) above without GATE score on the basis of merit of marks obtained in the Entrance Test.</p> <p>iii. The GATE qualified candidates will not be required to appear in the Entrance Test.</p> |
| M.Tech. Software Engineering | -do- |
| M.Tech. ECE | <p>i. First preference in the order: B.E./B.Tech. or equivalent degree in Electronics & Communication Engineering/Electronics & Telecom Engineering/ Electronics Engineering with 50% (45% marks for SC/ST candidates of Haryana only) marks in aggregate alongwith valid GATE score.</p> <p>ii. Second preference in the order: (a) B.E./B.Tech. or equivalent degree in Electrical & Electronics Engineering/Applied Electronics & Instrumentation Engineering/ Electronics Instrumentation & Control Engineering/ Electrical Engineering/Instrumentation & Control Engineering/Instrumentation Engineering/ Control Engineering with 50% (45% marks for SC/ST candidates of Haryana only) marks in aggregate; (b) Biomedical Engineering/ Mechatronics with 50% marks in aggregate alongwith valid GATE score.</p> <p>iii. Third preference in the order: (a) M.Sc. (Electronics) with 50% (45% marks for SC/ST candidates of</p> |

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| | <p>Haryana only) marks in aggregate; (b) M.Sc (Physics with specialization in Electronics) with 50% marks in aggregate with valid GATE score in Electronics & Comm. Engineering/Electronics Engineering.</p> <p>iv. If valid GATE score qualified candidates are not available, then remaining vacant seats will be open to the other than GATE qualified candidates and shall be filled on the basis of merit of aggregative marks of qualified degree as mentioned above with same order of preference.</p> |
| M.Tech. M.E (Manufacturing & Automation) | <p>B.E./B.Tech. or equivalent degree in Mechanical Engineering/Production Engineering /Thermal Power Engineering /Automobile Engineering /Robotics Engineering /CAD /Mechatronics /Aeronautical Engineering/Industrial Engineering with 50% (45% marks for SC/ ST candidates of Haryana only) in aggregate alongwith valid GATE score.</p> |
| | <p>If valid GATE score qualified candidates are not available, then remaining vacant seats will be open to the other than gate qualified candidates and shall be filled on the basis of merit of aggregative marks of qualified degree as mentioned above with same order of preference.</p> |
| M.Tech. Biotechnology | <p>i. First preference in the order: B.E./B.Tech. or equivalent degree in (a) Biotechnology/Industrial Biotechnology; (b) Bioinformatics in Bio-Technology/Life Sciences.</p> <p>ii. Second preference in the order: (a) MBBS; (b) B.Pharma.:(c) M.Sc. (Biotech.)/M.Sc. (Industrial Biotech.)/M.Sc. (Medical Biotech.)/M.Sc. (Food Biotech.)/M.Sc. (Bioinformatics); (d) M.Sc. (Life Sciences)/Microbiology/Biochemistry with 50% (45% marks for SC/ST candidates of Haryana only) marks in aggregate alongwith valid GATE score in Bio-Technology/Life Sciences.</p> <p>iii. Third preference in the order: B.E./B.Tech. or equivalent degree in (a) Chemical Technology/Chemical Engineering; (b) M. Sc. (Chemistry). with 50% (45% marks for SC/ST candidates of Haryana only) marks in aggregate alongwith valid GATE score in Bio-Technology/Life Sciences</p> <p>If valid GATE score qualified candidates are not available, then remaining vacant seats will be open to the other than GATE qualified candidates and shall be filled on the basis of merit of aggregative marks of qualified degree as mentioned above with same order of preference.</p> |
| M.Tech. Computer Science | <p>MCA or M.Sc. (Computer Science/IT/Software) or B.E./B.Tech. in Computer Engineering/Computer Science & Engineering/Computer Technology/IT or equivalent degree with atleast 50% marks (45% for SC candidates of Haryana) along with GATE score in Computer Science & Engineering/IT.</p> <p>ii. First preference will be given to the candidates with valid GATE score and admission of such candidates will be made on the basis of their merit/rank in the GATE score. Remaining seats will be filled up on the basis of merit/rank of Entrance Test.</p> <p>iii. The GATE qualified candidates will not be required to appear in</p> |

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| | the Entrance Test. |
| M. Tech. Automobile Engg. | <ul style="list-style-type: none"> i. B.E./B.Tech. or equivalent degree in Automobile Engg./ Mechanical Engineering/Production Engineering/ Power Engineering Thermal / Robotics Engg./ CAD/ Mechatronics / Aeronautical Engg./ Industrial Engineering with 50% marks in aggregate along with valid GATE score. ii. If valid GATE score qualified candidates are not available, then remaining vacant seats will be open to the other non gate qualified candidates and shall be filled on the basis of merit of aggregative marks of qualified degree as mentioned above with same order of preference. |
| M.Tech. Civil Engg. | <ul style="list-style-type: none"> i. B.E/B.Tech or equivalent degree in Civil Engineering with 50% marks in aggregate along with valid GATE score. iii. If valid GATE score qualified candidates are not available, then remaining vacant seats will be open to the other non gate qualified candidates and shall be filled on the basis of merit of aggregative marks of qualified degree as mentioned above with same order of preference. |
| M. Tech. Electrical Engg. | <ul style="list-style-type: none"> i) First preference in the order:- B.E/B.Tech or equivalent degree in (a) Electrical Engineering/Electronics & Electrical Engineering /Control & Instrumentation Engg. |
| M.Tech. Mechanical Engg. (Manufacturing & Automation) | <ul style="list-style-type: none"> i. B.E/B.Tech or equivalent degree in Mechanical Engineering/ Production Engineering/ Thermal Power Engineering/Automobile Engg./ Robotics Engg./ CAD/ Mechatronics / Aeronautical Engg./ Industrial Engineering with 50% marks in aggregate along with valid GATE score. ii. If valid GATE score qualified candidates are not available, then remaining vacant seats will be open to the other non gate qualified candidates and shall be filled on the basis of merit of aggregative marks of qualified degree as mentioned above with same order of preference. |
| M.Tech. (Geo Infomatics) | <ul style="list-style-type: none"> i. Post-graduation in Geography/ Earth Sciences/ Geology/ Environmental Sciences/ Botany. Out of 15 seats for admission to Semester-I. 10 seats shall be reserved for candidates with P.G. degree in Geography. ii. Admission shall be made strictly on the basis of merit in the qualifying exams. iii. There shall be a provision of parallel entry to Semester-III for candidates holding PG Diploma in Geo-informatics/ Remote Sensing and GIS/ Geographic Information Science and System/ Geospatial Technology from any recognized university/ institute of at least one-year duration. However, P.G. Diploma holders from Indian Institute of Remote Sensing, Dehradun shall be eligible for parallel entry. iv. For parallel entry, the candidates must fulfill the eligibility conditions mentioned in Clause (i) above. v. The total number of seats for parallel entry shall be not more than 5 out of which 3 seats shall be reserved for candidates holding P.G. degree in Geography. vi. Admission as parallel entry shall be strictly based on merit in P.G |

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| | <p>Diploma. In case of a tie, merit shall be decided on the basis of percentage of marks obtained in the post-graduation examination in the respective subject.</p> <p>vii. In-service candidates, on being admitted as parallel entry in Semester-III may continue and work for their Term Papers and Dissertations/ Thesis at their place of work/ organization provided logistic and/ or other support systems are provided there.</p> |
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5.7. YMCA UNIVERSITY OF SC & TECHNOLOGY, SECTOR-6, FARIDABAD

5.7.1 Teaching Departments

| Name of Programme | Name of Course | Duration of Course | Sanctioned Intake |
|--------------------------|--|---------------------------|--------------------------|
| M.Tech. | Mechanical Engg. (Manufacturing Technology & Automation) | 2 Years | 18 |
| M.Tech. | Computer Engg. (Computer Engg.) | 2 Years | 18 |
| M.Tech. | Computer Engg. (Network Engineering) | 2 Years | 18 |
| M.Tech. | Computer Engg. (Information Technology) | 2 Years | 18 |
| M.Tech. | Electrical Engg. (Power Systems) | 2 Years | 18 |
| M.Tech. | Electronics (Electronics and Instrumentation Engg.) | 2 Years | 18 |
| M.Tech. | Electronics (VLSI Design) | 2 Years | 18 |
| M.Tech. | Electronics (Electronics and Communication Engg.) | 2 Years | 18 |

5.7.2. Eligibility for admission in M.Tech. Courses

| Name of the Programme | Qualifying degree with relevant disciplines required for admission |
|--|---|
| A) Manufacturing Technology and Automation | <p>B.E./B.Tech in Mech. Engg./ Production Engg./Automobile Engg./ Industrial Engg./ Metallurgy Engg./ Mechatronics Engg. with minimum 55% marks in qualifying degree . However in case of SC/ST candidates, 50% marks in qualifying examination is required.</p> <p>First preference will be given to candidates in the above discipline with valid and qualified GATE score. Result awaited Final Semester/Final Year candidates in the above discipline with valid and qualified GATE Score can also apply. However, admission in the M.Tech programmes will be provisional, on their own responsibility for fulfilling the eligibility criteria by Sept. 2013.</p> <p>Second preference will be given to candidates who have qualified PG Entrance Test in the above discipline.</p> |

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| <p>A) Electronics and Communication Engineering B) VLSI Design C) Electronics & Instrumentation Engg.</p> | <p>B.E./B.Tech in Electronics Engg./ Electronics and Control/Electronics, Instrumentation & Control/Electrical & Electronics/Electronics & Communication Engg. with minimum 55% marks in qualifying degree . However in case of SC/ST candidates, 50% marks in qualifying examination is required.</p> <p>First preference will be given to candidates in the above discipline with valid and qualified GATE score. Result awaited Final Semester/Final Year candidates in the above discipline with valid and qualified GATE Score can also apply. However, admission in the M.Tech programmes will be provisional, on their own responsibility for fulfilling the eligibility criteria by Sept. 2013.</p> <p>Second preference will be given to candidates those who have qualified PG Entrance Test in the above discipline.</p> |
| <p>A)Power Systems</p> | <p>B.E./B.Tech in Electrical Engg. with minimum 55% marks in qualifying degree . However in case of SC/ST candidates, 50% marks in qualifying examination is required.</p> <p>First preference will be given to candidates in the above discipline with valid and qualified GATE score. Result awaited Final Semester/Final Year candidates in the above discipline with valid and qualified GATE Score can also apply. However, admission in the M.Tech programmes will be provisional, on their own responsibility for fulfilling the eligibility criteria by Sept. 2013.</p> <p>Second preference will be given to candidates those who have qualified PG Entrance Test in the above discipline.</p> |
| <p>A) Computer B)Network Engineering Information Technology</p> | <p>B.E./B.Tech in Computer Engg./Computer Sc./ Computer Technology/ Information Technology with minimum 55% marks in qualifying degree. However in case of SC/ST candidates, 50% marks in qualifying examination is required.</p> <p>First preference will be given to candidates in the above discipline with valid and qualified GATE score.</p> <p>Result awaited Final Semester/Final Year candidates in the above discipline with valid and qualified GATE Score can also apply. However, admission in the M.Tech programmes will be provisional, on their own responsibility for fulfilling the eligibility criteria by Sept. 2013.</p> <p>Second preference will be given to candidates those who have qualified PG Entrance Test in the above discipline.</p> |

CHAPTER – 6 FEE STRUCTURE

6.1 Bhagat Phool Singh Mahilla Vishwavidyalaya, Khanpur Kalan, Sonipat (University Teaching DepartmentS)

| Sr. No. | University/ Half Yearly Charges (Sem. Fees) | Fee (Rs.) per annum. |
|---|---|-------------------------------------|
| A) | Tuition Fees | Rs. 10000/- (Every Semester) |
| B) University fees Charges be paid at the time of admission (One Time) | | |
| I | Admission Fees | Rs. 1000/- |
| II. | Registration Fees | Rs. 1000/- |
| III. | Migration Fees | Rs. 1000/- |
| IV. | Training and Counselling Fees | Rs. 3000/- |
| V. | Development Fund | Rs. 5000/- |
| VI. | Alumni Fund | Rs. 1000/- |
| VII. | Caution Money (Refundable) | Rs. 3000/- |
| Total | | Rs. 15000/- |
| C) Student Fund Yearly (Every Year) | | Rs. 10,000/- |
| I | Medical and Red Cross Fees | Rs. 150/- |
| II | Magazine Fee | Rs. 250/- |
| III | Benevolent Fund | Rs. 250/- |
| IV | Youth Welfare Fund | Rs. 350/- |
| V | Internet Facility Fees | Rs.1000/- |
| VI | Equipment Maintenance Fees | Rs. 4000/- |
| VII | Student Amalgamated Fund | Rs. 500/- |
| VIII | Exam Fee | Rs. 2000/- |
| IX | Library Fee | Rs. 1000/- |
| X | Accreditation Fee | Rs. 1000/- |
| Total | | Rs. 10000/- |

- Annual fee for the M. Tech. course is Rs. 30,000/-. In addition to that student has to pay University fees charges Rs. 15,000 at the time of admission (One Time)
- Total fees of entire M. Tech. course=Rs. 10,000 × 4+Rs.15,000+Rs.20,000+Rs. 75,000

NOTE:

The fee structure for the affiliated College/Institute is to be obtained from the respective College/Institute.

6.2 Chaudhary Devi Lal University, Sirsa (University Teaching Department)

| Name of Course | Admission Fee (p.a.) | Tuition Fee (p.a.) | A. Fund | Dev. Fee | Security refundable | Curriculum charges | Other Charges (p.a.) | Total Fee/ Annum |
|-----------------------------------|----------------------|--------------------|---------|----------|---------------------|--------------------|----------------------|------------------|
| M. Tech. (CSE) | 50/- | 56000/- | 240/- | 14000/- | 500/- | 50/- | 1625/- | 72465/- |
| M. Tech. in SE, EE&C, CSE, ME, BT | 50/- | 56000/- | 240/- | 14000/- | 500/- | 50/- | 1625/- | 72465/- |

NOTE:

The fee structure for the affiliated College/Institute is to be obtained from the respective College/Institute.

**6.3 Deenbandhu Chhotu Ram University of Science & Technology, Murthal
(University Teaching Departments)**

| Sr. No. | Nature of fee/fund payable | M. Tech. |
|---------|--|---------------------|
| 1. | Admission fee (one Time*) | Rs. 15,000/- |
| 2. | Tuition & other fee annually | Rs. 37,250/- |
| 3. | Student fund Charges Annually | Rs. 3,850/- |
| | Net amount payable at the time of admission | Rs. 56,100/- |

Note:-* One time charge includes the net refundable security of Rs. 3000/- for M. Tech. Rs. 1000/- for which will be refundable on the completion of the course.

SCHOLARSHIPS

Following scholarships are available in the university for full time PG students.

1. GATE Scholarship for M. Tech. students as released by the AICTE.
2. Arya Bhatt Scholarship for M. Tech. students.
3. Post Matriculation Scholarship to SC/ST students for PG courses from the Department of Technical Education, Haryana.
4. Post Matriculation Scholarship to BC students for PG courses from the District Welfare Department, Sonapat.
5. Merit-cum-Means Scholarship for students belonging to the Minority Communities for M.Tech. students.

NOTE:

The fee structure for the affiliated College/Institute is to be obtained from the respective College/Institute.

**6.4 Guru Jambheshwar University of Science & Technology, Hisar
(University Teaching Departments)**

| Name of the courses | Nature of Fee / Fund payable | | | | | Total fee Per Annum |
|---|--------------------------------|------------------|-------------|-----------|---------------|---------------------|
| | Admission/ Continuation Fee | Development Fund | Tuition Fee | Exam. Fee | Other Charges | |
| M.Tech. (Comp. Sc. & Engineering) M.Tech. (Env. Sc. & Engineering) M.Tech. (Electronics & Communication Engg.) M.Tech. (Mechanical Engineering) M.Tech. (Printing Technology) M.Tech. (Nano Sc. & Technology) M.Tech. (Optical Engineering) M.Tech. (Food Engineering) | 500 | 8000 | 10000 | 2500 | 29000 | 50000 |

*In addition to above, the following amount is also payable as specified under:-

NOTES:

i) Rs. 2000/- Security/Caution Money Refundable.

ii) Rs. 50/- Student Welfare Fund (Non Refundable)

iii) Rs. 60/- Student Insurance Scheme

Fee at nos. i) and ii) is payable once in a course duration i.e. at the time of admission.

Fee at no. iii) is payable every year and the insurance premium is non -refundable in respect of the students whose names are forwarded to the Insurance Company. The risk coverage for students on roll of the University on the date of accident will be as per terms and conditions of the Insurance Policy.

NOTE:

The fee structure for the affiliated College/Institute is to be obtained from the respective College/Institute.

**6.5 Kurukshetra University, Kurukshetra
(University Teaching Departments)**

| Sr. No. | Dept./ Institute | Course | Fee (Rs.) per annum. |
|---------|---------------------------------------|--|----------------------|
| 1. | Electronics Science | M. Tech. Microelectronic & VLSI Design | 66,125/- |
| | | M. Tech. (Nano Sci. & Tech.) | 45,000/- |
| 2. | Institute of Instrumentation Engg. | M. Tech. I. E. | 66,125/- |
| 3. | Computer Sci. & Application | M. Tech. (CSE) | 45,000/- |
| 4. | Institute of Environmental Studies | M. Tech. Energy & Environmental Management | 15,000/- |
| 5. | University Institute of Engg. & Tech. | M. Tech. Software Engg. | 66,196/- |
| | | M. Tech. (ECE) | 66,196/- |
| | | M. Tech. (B.T.) | 66,196/- |
| | | M. Tech. (Computer Engg.) | 66,196/- |
| | | M. Tech. (ME) | 66,196/- |
| | | M. Tech. (E.E.) | 66,196/- |
| | | M. Tech. (Material Sci. & Tech.) | 66,196/- |

(b) The fees to be charged from the students of affiliated colleges/institutes are to be decided by the respective affiliated colleges/institutes.

C) Sanctioned seats of M. Tech. Course in the affiliated colleges/institute pertains as on

NOTE:

The fee structure for the affiliated College/Institute is to be obtained from the respective College/Institute.

**6.6 Maharshi Dayanand University, Rohtak
(University Teaching Departments)**

| Name of Course | Admission Fee (p.a.) | Tuition Fee (p.a.) | A. Fund | Dev. Fee | Security refundable | Curriculum | Other Charges (p.a.) | Total Fee/ Annum |
|---|----------------------|--------------------|---------|----------|---------------------|------------|----------------------|------------------|
| M. Tech. In SE, EE&C, CSE, ME, Bio-Technology | 50/- | 56000/- | 240/- | 14000/- | 500/- | 50/- | 1974/- | 72814/- |

NOTE:

The fee structure for the affiliated College/Institute is to be obtained from the respective College/Institute.

**6.7 YMCA Science & Technology, Faridabad
(University Teaching Departments)**

| Sr. No. | Type | Fee/Charges from students (Rs.) |
|---------|---|---------------------------------|
| 1. | Semester Fee | 24500/- |
| 2. | Admission Charges/Fees | 4435/- |
| 3. | Security Deposits (Refundable and one time to be paid at the time of admission) | 7000/- |
| 4. | e-governance charges | 647/- |
| | Total (to be paid at the time of admission in the form of DD payable to Registrar, YMCAUST, Faridabad) | 36582/- |

For admission in YMCAUST, if a candidate fails to deposit at the admission Rs. 36582/- in the form of DD payable to **“Registrar, YMCAUST, Faridabad,”** his/her admission will stand automatically cancelled.

Notes:

1. Admission charges/Fees: (SAF- 1265/ Y, Exam fee 1000/- sem, HHF-20/Y Registration Fee-1000/- (one time), I-Card-20/-, Radha Krishnan Fund-70/Y, Youth Red Cross Society- Rs. 60/- Y, YMCA University Development Charges= Rs. 1000/-).
2. Security Charges: (University security – 2000/-, Library security-5000/-).
3. Hostel and mess charges are extra and applicable for hostellers. Limited hostel facility is available and first preference will be given to the candidate residing at least a distance 50 Km from YMCAUST Faridabad.

NOTE:

The fee structure for the affiliated College/Institute is to be obtained from the respective College/Institute.

CHAPTER – 7 CLUSTERING OF COURSES

CLUSTERING OF COURSES FOR ME/M. TECH. ENTRANCE TEST.

For the Purpose of Entrance Test, various courses have been clustered in different groups as given under. The candidates are required to apply on separate application form for each cluster/group. This clustering pertains to the Part-B of the Entrance Test.

| Cluster/Group | Relevant disciplines of M.E/ M. Tech. | Syllabus for Entrance |
|---------------|--|---|
| I | ICT, Signal Processing Engg., Instrumentation Engg., Micro Electronics & VLSI Design, Optical Engg., Instrumentation Control Technology, Electronic & Communication Engg. VLSI, Electronic & Instrumentation Engg., Micro Electronics & VLSI, Electrical & Electronics Engg. & Instrumentation Control, Embedded Systems & VLSI Design, BME, VLSI Design, Power Electronics. | GATE Syllabus of ECE |
| II | Network Security, Computer Science & Engg., Information Technology, Computer Engg., Software Engg., Networking Engg., Computer Science. | GATE Syllabus of Computer Science & Engg., Information Technology |
| III | Electrical Machines & Drive Power, Power Systems & Drive, Electrical Engg. (Power System), Instrumentation & Control, Electrical Engg. & Control System, Power Electronics & Drives, Electrical Engg. | GATE Syllabus of Electrical Engg. |
| IV | Design of Machine Equipment, Design of Mechanical Equipment, Machine Design and Robotics, Automation and Manufacturing, Mechanical Engg., Automobile Engg., Thermal Engg., CAD/CAM, Design, Manufacturing Power System Engg., Manufacturing Technology & Automation, Mechatronics & Robotics, Robotics & Automation, manufacturing & Automation, Manufacturing System Engg., Machine Design. | GATE Syllabus of Mechanical Engg. |
| V | Structural Design, Transportation, Civil Engg., Structuring Engg., Construction Technology, Water resource Engg., Soil Mechanics & foundation Engg., Land Scape Architecture. | GATE Syllabus of Civil Engg. |
| VI | Material Science & Nano-Technology, | Relevant Syllabus from |

| | | |
|------|---|---|
| | Material Science & Technology | Chapter-11 |
| VII | Bio- Technology | GATE Syllabus of Bio-Technology |
| VIII | Energy Studies & Environmental Management, Energy Studies (Material), Environmental Science & Engg., Energy & Environment Management. | Relevant Syllabus from Chapter-11 |
| IX | Textile, Fashion & Applied Engg., M.Tech. Fashion Technology-Functional Garments | GATE Syllabus of Textile Engg. of Fibre Science |
| X | Printing Technology, Printing & Graphics | Relevant Syllabus from Chapter-11s |
| XI | Food Technology, Food Engg. | Relevant Syllabus from Chapter-11 Syllabus |
| XII | Geo- Informatics | Relevant Syllabus from Chapter-11s |
| XIII | Nano Science & Technology | Relevant Syllabus from Chapter-11 |
| XIV | Chemical Engineering | GATE Syllabus of Chemical Engg. |

CHAPTER – 8

Entrance Test

- The candidates with valid GATE Score are NOT REQUIRED to appear in the entrance test. Their candidature for admission to M.E./M.Tech. Programmes shall be considered on the basis of their Valid GATE Score in the respective discipline.
- The NON-GATE candidates (having no valid GATE Score) are required to appear in the entrance test. For admission to the seats available after the exhaustion of GATE score merit list, the merit list of the entrance test will form criteria for admission to various courses.
- Entrance Test for making admission to various M.E./M.Tech. Programmes of participating universities will be held at the following five Examination Centres as per schedule given on the last page of this prospectus:
 - (i) DCRUST, Murthal, Sonapat
 - (ii) KU, Kurukshetra
 - (iii) MDU, Rohtak
 - (iv) GJUS&T, Hisar
 - (v) YMCA, Faridabad
- The syllabi / course contents for various M.E./M.Tech. Programmes are available in chapter-11.
- The weightages for Part “A” and Part “B” of the Entrance test are as follows:
Part- A (30 percent of maximum marks):
 - General knowledge
 - General Aptitude
 - English(Equal weightage of 10 marks for each of the three components)
Part- B (70 percent of maximum marks):
(Branch wise test, based on core groups formed after clustering of Branches)
The clustering of courses has been done in chapter-7.
- If a candidate is applying for admission to more than one course from different clusters, he/she must fill the same choice(s) for the Centre of Entrance Test.
- The question paper shall consist of total 100 questions (30 questions from Part-A & 70 questions from Part-B). The duration of the test shall be 90 minutes.
- The qualifying marks in Entrance Test for Admission to M.E./M.Tech. courses shall be overall 35% subject to the condition of obtaining minimum 25% in each part (A & B) of the Entrance Test. However, a relaxation of 5% shall be applicable at all stages of Entrance Test in case of SC category students.
- The marks obtained in the Entrance Test shall be valid only for those courses which are listed in a particular Cluster/Group. Further, such marks/merit cannot be used for claiming admission to a Course belonging to another Cluster/Group.

- Candidates must read the Important Information / Instructions before filling up the application form given in Chapter-3
- The eligible candidate (as per the criteria laid down in Chapter-5) shall appear in the entrance test (as applicable). The mere taking of the entrance test shall not entitle a candidate to admission.
- The eligibility of the candidate shall be determined at the time of Counselling as per rules and regulations of respective universities.

Important Instructions to the candidates for appearing in Entrance Test.

- (I) The Entrance Test shall consist of Objective type questions. There will be no negative marking.
- (II) The Candidate must bring his/her Admit Card for appearing in the test.
- (III) The Candidates can download the Admit Card along with the instructions from University Website.
- (IV) The Candidate must occupy his/her seat in the examination hall at least 20 minutes before the scheduled start of examination. No candidate will be allowed to sit in the examination 15 minutes after the scheduled start of examination.
- (V) The Candidates will be provided with the Question Booklet and OMR answer sheet. They should fill up the general details on the OMR answer sheet before the start of Entrance Test as instructed by the invigilator in the examination hall.
- (VI) The Candidates are advised to use only Blue/Black Ball point pen to darken the circles on the OMR sheet.
- (VII) Do not scribble, smudge, cut, tear or wrinkle the OMR sheet. Do not put any stray marks on the OMR sheet. Tampering with the BARCODE on the OMR sheet in any form will lead to disqualification.
- (VIII) The Mobile Phones, Blank Papers/Clip Boards/Log Tables/Calculators/Loose Papers /Written Notes and books etc. and any other Electronic Gadgets, are not allowed in the Examination hall. The possession of such materials and/or adoption of unfair means/ impersonation/misconduct during the examination shall automatically lead to cancellation of the candidature.
- (IX) The Candidates shall handover OMR answer sheet and Question Booklet to the invigilator before leaving the Examination hall at the end of the test.

CHAPTER – 9

COUNSELLING PROCEDURE

- (i) The admission to M.E./M.Tech. Course will be open to the candidates who have passed the qualifying degree examination in any relevant discipline or equivalent from any Indian University included in the approved list of Association of Indian Universities (AIU) or any foreign university recognized by AIU.
- (ii) All the candidates shall have to participate in the counselling as per the procedure laid down by DCRUST to be notified in due course.
- (iii) The candidates who are unable to attend the first counselling, he/she may be allowed to attend the subsequent Counsellings according to his/her merit and eligibility, provided he/she has paid prescribed fee.
- (iv) Those candidates who have participated in the 1st counselling shall also be eligible to participate in the 2nd and subsequent counselling.
- (v) The third counselling shall be held at the institutional level for the seats remaining vacant after 2nd counselling, on the basis of valid GATE score or valid Entrance Test merit list (giving preference to GATE score)
- (vi) All the eligible candidates whether from HOGC or from reserved categories of Haryana shall also compete for seats allocated under All India Category.
- (vii) All eligible candidates of reserved categories of Haryana shall be considered first for Haryana Open General Category seats.
- (viii) Candidates claiming reservation under different categories shall have to submit corresponding certificate issued by the competent authority in the format prescribed by the Govt. of Haryana (see relevant Annexure).
- (ix) The B.C. (Block 'A' & 'B') and SBC candidates for benefit of reservation shall also have to furnish an affidavit to the effect that he/she is not covered under the criteria of creamy layer in the format prescribed by the Haryana Govt. The said affidavit shall be furnished by both the father and mother of the candidate (See relevant Annexure).
- (x) If the reserved seat(s) of B.C. (A) remain(s) vacant after the first counselling, these shall be filled up from B.C. (B). This inter-conversion of sub categories shall be made before second counselling. 2nd central counselling shall be done for all categories namely AIC, HOGC, PH, CFF, SC, BC (by merging BCA, BCB, SBC and EBC in BC) and merging all ESM priorities in ESM.
- (xi) The vacant seats of reserved categories of Haryana shall be converted and offered to General Category candidates along with other net resultant

vacancies in the 3rd counselling which is to be conducted at respective University / Institute level.

- (xii) Only the candidates having the permanent disability of not less than 40% (being otherwise fit for admission to the course and the handicap disability should not interfere with the requirements of professional studies and career) will be considered for admission as physically handicapped. Disability certificate must be issued from Distt. Chief Medical Officer. However, the certificate may be subject to verification, if required, by a Medical Board constituted by the University for the purpose. The decision of the Board shall be final. (See relevant Annexure)
- (xiii) If the quota reserved for Physically-handicapped remains unutilized after first counselling due to non-availability of suitable category of handicapped candidates, it may be offered to the Ex-servicemen and their wards and the dependents of Freedom Fighters in 2nd counselling. The vacant seats shall be converted to general category in the 3rd counselling.
- (xiv) Admission to the seats reserved for residents of village Murthal, Khanpur Kalan & Bhainswal Kalan shall be done by the respective Universities.
- (xv) (a) For admissions to DCRUST, the seat(s) reserved for Resident of Murthal (ROM) is/are considered as part of Haryana Open General Category (HOGC), i.e., such no. of seats are considered reserved out of HOGC category.

(b) The filling up of ROM seat(s) in P.G. programmes will be made on rotation basis among male & female candidates, i.e., If an eligible male candidate is not available then the seat will be filled up with female candidate & vice-versa.
- (xvi) For admission to BPSMV, Khanpur Kalan, 02 seats are reserved for the residents of Khanpur Kalan for intake of 50 students in each course.
(b) Likewise, 01 seat is reserved for the residents of Bhainswal Kalan for an intake of 50 students in each course.
(c) The above reserved seat at 'a' & 'b' shall be against the seats reserved for HOGC.
- (xvii) The seats shall be filled up first on the basis of merit list of GATE score by candidates having valid GATE score.
- (xviii) Seats remaining vacant after exhausting the list of valid GATE qualified candidates shall be offered to the candidates on the basis of the valid merit list of the Entrance Test.
- (xix) If two or more candidates secure identical marks (score) in the entrance test/GATE, their relative merit will be determined by the percentage of marks obtained by them in the qualifying examination. In case of

percentage of marks secured in qualifying examination is also identical, the candidate older in age will be preferred.

- (xx) The qualifying marks in Entrance Test for admission to M.E. /M. Tech. courses shall be overall 35% subject to the condition of obtaining 25% in each part (A & B) of the Test. However, a relaxation of 5% shall be applicable at all stages of Entrance Test in case of SC category students.
- (xxi) The marks obtained in the Entrance Test shall be valid only for those courses which are listed in a particular Cluster/Group. Further, such marks/merit cannot be used for claiming admission to a Course belonging to another Cluster/Group.

CHAPTER – 10

LIST OF FAKE UNIVERSITIES (AS PER UGC LIST)

List of self-styled Institutions/ Universities which have been declared fake by the University Grants Commission and other Government bodies

1. All India Board of Secondary Education, Delhi, Bhawan No. 700, Gali No. 17, Gopalpur Village (Timarpur) P.O Azadpur, Delhi- 11002010
2. Board of Adult Education and Training Office, 1 Aliganj (Kasturba Nagar) Kotla Mubarakpur, New Delhi – 110003
3. Central Board of Higher Education, East Patel Nagar, New Delhi
4. Central Board of Higher Education, Uttam Nagar, New Delhi
5. Bombay Hindi Vidyapeeth, Bombay
6. Maharshi Valmiki National University, Delhi
7. Maithill University/ Vishwavidyalaya Darbhanga, Bihar
8. Takshila Kendriya Vishwavidyalaya, Uttam Nagar (New Delhi)
9. Mahila Gram Vidyapith/Vishwavidyalaya (Women's University) Prayag, Allahabad (U.P.)
10. Varanaseya Sanskrit Vishwavidyalaya Varanasi (Uttar Pradesh)
11. Commercial University Ltd. Darya Ganj, Delhi
12. Testator Research University Bodihaya Ranur (Tamil Nadu)
13. Sree Narayan Open University Quilon (Kerala)
14. Gandhi Hindi Vidyapeeth Prayag, Allahabad (U.P.)
15. National University of Electro Complex Homeopathy Kanpur (U.P.)
16. University New Jerusalem Kathuparamba Cannore (Kerala)
17. World Social Work University Perunguzhi (Kerala)
18. Netaji Subhash Chandra Bose University (Open University) Aligarh (U.P.)
19. Shrimati Mahadevi Verma Open University Mughal Sarai (U.P.)
20. D.D.S. Sanskrit University Putur, Trichi, Tamil Nadu
21. Amritsar University, Amritsar (Punjab)
22. Arya University Srinagar (Jammu Kashmir)
23. Bible University Ambur (North Arcot)
24. Estern Orthodox University Ambur (North Arcot)
25. Blobe University of Science, Kumbaromam
26. St. John's University Kizhanattam, Kerala
27. National University, Nagpur
28. Self Culture University, Kizhanattam
29. United Nations University, Delhi
30. Vocational University, Delhi
31. Western University of Kapurthala
32. Uttar Pradesh Vishwavidyalaya, Rosi Kalan, Mathura (U.P.)
33. Maharana Pratap Shiksha Niketan Vishwavidyalaya Pratapgarh (U.P.)
34. India Education Council of U.P. Lucknow (U.P.)
35. *Bhartiya Shiksha Parishad (U.P.) Open Vishwavidyalaya Lucknow (U.P.)
36. Raja Arabia University, Nagpur
37. Urdu University, Moti Park, Bhopal
38. Vocational University Amritsar and DE
39. Uttar Pradesh Vishwavidyapeeth, Kushikalan
40. Kesarwani Vidyapith, Jabalpur (MP)
41. Delhi Vishwa Vidyapeeth, 233, Tagore Park, Model Town, Delhi
42. Badaganvi Sarkar World Open University Education Society, Gokak, Belgaum
43. ADR-Centric Juridical University, ADR House, 8J, Gopala Tower, 25 Rajendra Place, Delhi
44. Indian Institute of Science and Engineering, New Delhi.
45. Indian Institute of Alternative Medicine, Kolkatta.
46. Indraprastha Shiksha Parishad, Institutional Area, Khoda, Makanpur, Noida Phase-II, Uttar Pradesh.
47. Gurukul Vishwavidyala, Vridanvan, Uttar Pradesh.

* (It is not recognized by the U.G.C. However, stay has been granted by Civil Judge Hawalee (J.D.), Lucknow. The issue regarding Fake University is in Court).

Note: The names of fake Universities/ Boards will be considered as published by the concerned apex bodies on the day of counselling.

CHAPTER – 11

SYLLABUS FOR ENTRANCE TEST

The State Level Entrance Test shall be applicable to those candidates who have no valid GATE Score. The test will be OMR based. All Questions in the paper shall be MCQ type. The duration of test will be 90 minutes with 100 MCQs as per details given below:

Part-A (30 percent of maximum marks)

- General Knowledge
 - General Aptitude
 - English
- (Equal weightage of 10 marks for each of the three components)

Part-B (70 percent of maximum marks)

(Branch wise test, based on core groups formed after clustering of Branches)

Syllabi as per the clusters:

Cluster/Group-I: GATE Syllabus of Electronics & Communication Engineering

Cluster/Group -II: GATE Syllabus of Computer Science & Information Technology

Cluster/Group -III: GATE Syllabus of Electrical Engineering

Cluster/Group -IV: GATE Syllabus of Mechanical Engineering

Cluster/Group -V: GATE Syllabus of Civil Engineering

Cluster/Group -VI: Syllabus of Material Science & Nano-Technology

Section – I

Electrochemical cells: Primary cell, Secondary cell, Fuel cell and super-capacitors; Corrosion types, monitoring and prevention of corrosion, economics of corrosion. Bonding in solids; Types of bonds: Metallic, Ionic, Covalent; Van der Waals forces; Hybridization; H-bonding; Ion dipole and dipole-dipole interactions. Introduction of polymers, Classification, types and general application

Section – II

Introduction of MEMs/NEMs, Semiconductor devices, Transistors. Quantum Mechanics; Statistical Mechanics; Solid State Physics; Structure and Properties of Metals, Ceramics, Elastic Behaviour: Mechanisms, Stress and Strain relations and Analysis, Plastic Behaviour: Mechanisms, Yielding, Stress and Strain Relation and Analysis, Deformation mechanisms, Electronic and optoelectronic devices. Doping and lithography.

Section – III

Bio-molecules – Carbohydrates, Proteins, Lipids; Nucleic acids; RNA and DNA; Hemoglobin and Myoglobin – structure and functions. DNA Biosensors, molecular recognition by cellular communication, Cell structure and transport phenomenon

Section – IV

Basics of Nanomaterials and Nanotechnology, Spectroscopic Techniques; X-ray Diffraction; Electron Microscopy; Scanning Probe Microscopy; Thermal Analysis

Techniques; Basics of UV and visible Spectroscopy, Infrared Spectroscopy, NMR Spectroscopy and Raman Spectroscopy.

Cluster/Group -VII: GATE Syllabus of Bio-Technology

Cluster/Group -VIII: Syllabus of Energy Studies and Environmental Management

Fundamentals of Physics, Fundamentals of Chemistry, Fundamentals of Biology, Fundamentals of Math, Environmental engineering, Basics of Conventional and Non conventional sources of energy, sources of energy, classification of energy sources, Basic science of energy conversion. Environmental engineering, Thermodynamics of Energy Conservation, Basic principles, Origin of the earth. Earth's temperature and atmosphere, Sun as a source of energy, nature of its radiation, Fossil fuels, Solar cells, Solar radiation, Flat plate collectors, Fission and fusion, laws on criterion, Power generation, Distribution & Transmission, Sources and classification of hazardous wastes, environmental policy, Energy and environmental correlation, Power plants.

Cluster/Group -IX: GATE Syllabus of Textile Engineering and Fibre Science

Cluster/Group -X: Syllabus of Printing Technology

1. Introduction to Printing process, technology of Typography and Type Setting, Printers Science, Computer Application in Printing, Graphic Design, Design and Planning for Print Production.
2. Flexography, Printing Materials, Electronic Composition, Reproduction Technology.
3. Gravure Technology, Offset Technology, Printing Image Generation-I, Print Finishing, Printing Substrates, Printing Ink Technology.
4. Entrepreneurship Development, Quality Control, Packaging Technology, Printers Costing and Estimating
5. Digital Printing, Plastic and Polymers, Packaging Machinery, Ancillary Material and Packaging.

- ***Each Unit carries equal marks***

Cluster/Group -XI: Syllabus of Food Technology

Food Biochemistry: Carbohydrates: nomenclature and classification, structure, functions and properties of monosaccharides, oligosaccharides and polysaccharides; dietary fiber and its partitioning. Proteins and amino acids: nomenclature, classification, structure, functions and properties of amino acids, peptides, proteins. Essential and non-essential amino acids.

Lipids: classification, functions, properties, structures of saturated and unsaturated fatty acids; oxidative and hydrolytic rancidity; antioxidants. Vitamins: chemical properties and their functions of vitamins, source and deficiency diseases; macro and trace minerals.

Antinutritional and toxic constituents of foods, Browning reactions and their significance; important chemical changes during storage and processing of plant and animal foods. Chemistry of pigments and flavor compounds, Michaelis-Menton and regulatory enzymes, enzyme inhibitors, industrial food enzymes and enzyme immobilization, techniques employed in analysis of proximate nutrients, amino acids, fattyacids, minerals, vitamins and antinutrients.

Engineering Properties of Food: Rheological properties of food: Stress, Strain, Hookes law, Elasticity, Plasticity, Ductility. Classification of food: Newtonian and Non Newtonian Fluid, Time dependent and independent flow behaviour. Thermal properties of food: Introduction to thermal properties, importance of thermal properties, experimental approach to measure thermal properties. Thermodynamic properties of food in dehydration: Introduction, Thermodynamic food-water system, sorption energetic, dehydration principles and process. Dielectric Properties of food: Introduction, Measurement principle, Frequency and temperature dependence, composition dependence of dielectric properties. Surface properties: introduction, fundamental consideration, Gibbs adsorption equation and contact angle measurement techniques. Colorimetric properties of food: Physiological basis of colour, measurement of colour, and presentation of sample.

Thermodynamics: Basic Concepts: Macroscopic and Microscopic Approaches, Thermodynamic Systems, Surrounding and Boundary, Thermodynamic Property - Intensive and Extensive, Thermodynamic Equilibrium, State, Path, Process and Cycle, Quasi-static, Reversible and Irreversible Processes, Working Substance. Concept of Thermodynamic Work and Heat, Equality of Temperature, Zeroth Law of Thermodynamic and its utility. First Law of Thermodynamics, Second Law of Thermodynamics, Availability and Irreversibility, Pure Substance: Pure Substance and its Properties, Ideal and Real Gases: Concept of an Ideal Gas, Basic Gas Laws, Characteristic Gas Equation, Avogadro's law and Universal Gas Constant, P-V-T surface of an Ideal Gas, Thermodynamic Relations.

Heat and Mass Transfer: Basic Principles and Conduction Importance of heat transfers in Food

processing operations - Modes of heat transfer - Mean temperature difference. Concept of heat conduction- Fourier's law of heat conduction - one dimensional steady state heat conduction equation for flat plate, hollow cylinder, hollow sphere - Heat conduction through a series of resistances - Analogy between flow of heat and flow of electricity - Thermal conductivity measurement; effect of temperature on thermal conductivity; conduction through liquids. Convection and Radiation, Heat Exchangers, Diffusion and mass Transfer Coefficients, Humidification and Drying, Extraction and Leaching, Absorption and Distillation.

Bioprocess Engineering: Historical development in Bioprocess Engineering, Bioenergetics, Enzyme Kinetics, Growth kinetics, Fermentation, Fermenter, Downstream Processing. Fundamentals of Food Process Engineering: Material and energy balances: Basic principles, total mass balance and component mass balance. Material balance calculations involved in dilution, concentration and dehydration. Heat balance calculations. Fluid flow theory and applications: Fluid statics and fluid dynamics, mass and energy balances in fluid flow. Thermal properties of foods, modes of heat transfer, conductive heat transfer in a rectangular slab, tubular pipe, and multilayered systems. Natural and forced convection.

Refrigeration and Air Conditioning: Introduction: Definition of refrigeration & air conditioning; Necessity, Methods of refrigeration; Unit of refrigeration; Coefficient of performance (COP), Fundamentals of air-conditioning system; Refrigerants- Definition, Classification, Nomenclature, Desirable properties, Comparative study, secondary

refrigerants, Introduction to eco-friendly Refrigerants; Introduction to Cryogenics, Air Refrigeration System, Vapour Compression (VC) Refrigeration Systems.

Instrumental Methods of Analysis of Foods: Methods of analysis, introduction and scope of various analytical methods for food samples such as food color, pH value, turbidity, etc. Uses and roles of various grinding instruments/machines for preparation of samples for analysis. Analysis of principal food constituents such as carbohydrates, proteins, fat, vitamins and minerals by various methods. Methods of moisture analysis in foods - drying methods, NIR techniques, isothermic technique. Refractometric techniques, spectroscopy instruments. Technology of alcoholic and non alcoholic beverages,

Animal Products: Introduction to meat and poultry industry, Structure of muscle, Slaughter of meat animals, Physical composition of meat (muscle, connective and fatty tissue), Chemical composition of meat and its nutritive value, Post mortem changes in muscle, Aging of Meat, meat tenderization, Meat quality inspection and grading of meat, Basic preparatory procedures like comminution, emulsification, curing, smoking, Cooking of meat, Meat emulsion, sausages and communitated meat products, Introduction to food packaging: Definitions, packaging terminology, functions of packaging, package environments, Status, production and major growing areas of cereals, in India and world, Structure and chemical composition of cereals, pulses and oilseeds, anti nutritional facts wherever applicable, Milk properties: Physical and chemical properties like density, acidity, redox potential. Milk: Definition, fluid milk types, composition, nutritive value of milk and milk products.

Food Biotechnology: Microbial production of food and food products: single cell proteins, organic acids, antibiotics and vitamins, optimizing conditions for microbial growth, food immunology. Enzyme technology: sources of enzymes, advantages of microbial enzymes, extraction and purification of enzymes, applications of enzymes in food industry, enzyme electrodes. Tissue culture technology: definition, cellular totipotency, somatic hybridization, protoplast fusion, and application in mushroom production. Mutation and repair mechanisms: mutagens, types of mutations, repair mechanisms, food mycotoxins, applications of mutations in strain improvement. Techniques of genetic engineering: gene cloning procedures- PCR, hybridom a technology, recombinant DNA technology, different vectors involved plasmids, cosmids & phagemids, transfer of recombinant molecules into host organisms, genetically modified foods. Transgenic plants and animals, Biosensors in food engineering. Protein engineering- methods, objectives, limitations and application in food technology.

Cluster/Group -XII: Syllabus of Geo Informatics

1. **Geomorphology:** Geology, Surveying, Climatology, Soils, Topographical Maps, Map Projections, Map Reading.
2. **Physics:** Mechanics, gravitational force, heat and energy, nuclear physics, semi conductor, optics, electromagnetic waves, sound.
3. **Mathematics and Statistics-** Matrix, logarithms, differential and integral calculus, trigonometry, sequence and series, probability. Mean, mode and median, standard deviation, correlation, regression.
4. **Computer Science:** Basics of Computer Science, Basics of Digital Image Processing, Computer Languages.

5. **Environmental Science** : Plant and animal kingdom – Characteristics of various groups, morphology, anatomy and adaptations, Natural Resources, Water, Soil, Food, Energy, Forests, Minerals, Biodiversity, pollution, global environmental problems, social issues related to environment.
6. **Remote Sensing and GIS**: Principles and applications of Remote Sensing and GIS, Satellites, Space orbits, Electro-Magnetic-Spectrum (EMR), Satellite Sensors.

Cluster/Group -XIII: Syllabus of Nano Science & Technology

Microbiology:

12 %

Introduction - Historical Background and scope, and impact of microbes on human affairs. Difference between Eubacteria, Archaeobacteria and Eukaryotes, Pure culture techniques, Sterilization techniques, Principle of Microbial growth & microbial nutrition, Classification of Bacteria, Viruses: General characteristics, Morphology, Classification of plant, animal and bacterial viruses, Cultivation of viruses. Control of Microorganism by Physical & Chemical agents, Microbial Ecology, Role of Microorganisms in foods, agriculture, environment and industry.

Instrumentation Techniques

15%

Microscopic Techniques, Chromatography Techniques, Gel Electrophoresis Techniques, Spectroscopic Techniques etc.

Recombinant DNA Technology

10%

Introduction- Historical background, Restriction enzymes, Gene cloning, vectors, Polymerase Chain Reaction- basic principle, Applications of PCR in biotechnology, Molecular Markers and DNA Chip Technology: Molecular Markers- types and applications, Genomics and proteomics, Construction of molecular maps (genetic and physical maps), DNA chip Technology & Microarrays (a brief account). Biotechnology in medicine, Nano Medicine & Drug Delivery, Vaccines, Diagnostic, Forensic, Gene therapy, Cell & Tissue Engineering, Stem Cell Theory, Transgenic plants & animals, Bioremediation and phytoremediation.

Animal Biotechnology:

8 %

Transgenic Animals, Immuno-technology, Antigens and antigenicity, Active and passive Immunity, Immunity, Hybridoma technology, Immunological techniques, ELISA, RIA, Immuno-Diffusion, Immuno- Electrophoresis.

Nano Science & Technology:

25 %

An Overview, Nanomaterials- types and synthesis, current status and products, safety and toxicological evaluation, MEMS & NEMS, Biosensors, Societal implications & Ethical issues in Nano Science and Nanotechnology, Applications of Nanotechnology in different areas of Food, Agriculture, Textile and Medical Sciences.

B.Tech/ M.Sc level syllabus of Quantum and statistical mechanics, physical, organic and inorganic chemistry- structure of matter, bondings, Different types of materials: Metals, Semiconductors, Composite materials, Ceramics, Alloys, Polymers, introduction to computer science- Basics and languages, Biomedical implants, Biomaterials, Textile nanofibres and nono fabrics etc

12%

Introduction to biomolecules and cellular organization**10 %**

Structure of atoms, molecules and chemical bonds, Composition, structure and function of biomolecules (carbohydrates, lipids, proteins, nucleic acids and vitamins)., Stabilizing interactions, glycolysis, oxidative phosphorylation, Principles of catalysis, enzymes and enzyme kinetics. Membrane structure and function: Structure of model membrane, lipid bilayer and membrane protein diffusion, osmosis, ion channels, active transport, ion pumps. Structural organization and function of intracellular organelles. Organization of genes and chromosomes: Operon, structure of chromatin and chromosomes, transposons. Cell division and cell cycle. General Knowledge related to engineering principles

8 %**Cluster/Group -XIV: GATE Syllabus of Chemical Engineering**

CHAPTER – 12

ELIGIBILITY CRITERIA FOR RESIDENTS OF MURTHAL

1. The candidate who fulfills any one or more conditions of the following criteria be considered as Bonafide resident of the Village Murthal for giving such benefit:
 - (a) A candidate who has passed the qualifying examination, for selection in any Institution, from a school/college in the jurisdiction of Panchayat of Village Murthal.
 - (b) Children/ wards (if parents not living) / dependents of persons who, after retirement, have permanently settled in that village and are residing for more than three years from the date of issue of such certificate.
 - (c) Children/ wards (if parents not living) / dependents of pensioner of Haryana Government irrespective of the fact that the original home of the retiree is in that village and after retirement he has settled in that village or outside.
 - (d) Children/ ward (if parents are not living) / dependents of persons, who have permanent home in that village and include persons who have been residing in that village for a period of not less than 15 years or who have permanent home in that village but on account of their occupation they are living outside that village.
 - (e) The wives of such persons who are bonafide residents of that village irrespective of the fact that they had belonged to any place before marriage.
 - (f) Persons who were born in that village and produce a certificate to that effect; provided that the parents/guardians (if parents are not living) of persons belonging to any one of the above mentioned categories are Citizen of India.
 - (g) Children/ wards (if parents are not living) / dependents of persons, who have immovable property in that village but may be living in that village or other place than that village.

CHAPTER – 13

ANTI RAGGING GUIDELINES

As per the judgment of Hon'ble Supreme Court, "ragging shall be construed as an act of sadistic pleasure or showing off power, authority or superiority by senior students over their juniors or freshers".

Ragging in any form – teasing physically, psychologically or by spoken or written words – is absolutely prohibited in educational institutions. If any incident of ragging comes to the notice of the authorities, the concerned student (s) shall be given an opportunity to explain to the authority and if his/her explanation is not found satisfactory, the authority would rusticate him/her from the University/Institution. However, in compliance with the recent instructions by of the Hon'ble Supreme Court, once a student is found prima facie involved in ragging, he/she would be immediately suspended from the University/Institution and hostel and the matter will mandatorily be reported to the police and criminal law to be set into motion.

Important instructions in regard to DON'TS

What amounts to ragging? Any action by a senior individually or in a group that may cause a fresher/ junior any sort of physical, mental or psychological discomfort.

A student must desist from following actions:

Forced activity

1. Physical abuse – forcing to eat, drink, smoke, dress or undress.
2. Verbal abuse – asking to swear words and phrases, to make direct or indirect derogatory references to someone's appearance, attire, religion, cast, family, etc.
3. Pressuring junior/fresher for singing, dancing, reading or browsing pornographic/ objectionable materials or asking to interact with strangers particularly of opposite sex or performing in any other way such as forcing to use foul language or shouting or cheering in any event.
4. Asking juniors for copying notes or assignments, cleaning rooms or clothes etc.
5. Visiting fresher's room or inviting fresher to visit one's room for interaction without the knowledge of hostel official.
6. Involving fresher to singing, dancing, mimickering or performing in any way under the guise of talent search or interaction.

Activity related to Lifestyle

1. Compelling fresher to interact in a particular fashion, e.g., asking to address a senior as sir or Ma'am.
2. Imposing certain kinds of dress on fresher or not permitting some specific dress or accessories such as jeans, belts, etc.
3. Enforcing rules regarding hairstyle, shaving or oiling hair.
4. Restricting fresher access to certain parts of the hostel, e.g., common room, etc.

Playing of Mind Games

These invariably include a particular form of interaction in which a senior or a group of seniors manipulates the conversation so as to humiliate the fresher or make him/her feel stupid or insecure or threatened. However, friendly interaction by seniors with freshers which facilitates academic ambience inside hostel and in academic premises is highly appreciated.

NOTE:

All Universities/ Institutes shall take all measures to curb the menace of ragging in the Campus and Hostels.

All fresher are escorted from hostel to teaching blocks and back to the hostel under the supervision of escort teams consisting mostly of technical staff three times every working day – at the start of the first class, lunch, and at the end of the last class.

There is special escort team consisting of lady staff under the supervision of hostel matron to escort girl students from girls' hostel to teaching blocks and back.

The mechanism remains operational continually.

1. Proctorial team

- A proctorial team consisting of faculty from different departments remains vigilant in various teaching blocks with two fold objectives – to prevent any kind of ragging and interact with the senior students to help curb ragging and report the matter to the Proctor.
- **Surprise inspection team**
7 teams comprising of senior faculty members are in place to make surprise check in hostels on each day of the week.

3. Raiding teams in hostels

To ward off ragging in hostels anti ragging group each consisting of two faculty members remains always present in hostel premises on roaster basis during 5 pm till 12 night. This mechanism remains operational continually for two months. Its continuation is again reviewed and decision taken accordingly.

In addition to this hostel personnel remain round the clock vigilant, and particularly after 12:00 in the night, in the supervision of the hostel warden.

4. Orientation and Counselling

- At the outset we arrange an orientation programme for newly admitted students along with their parents to apprise them about the university, teaching departments and the anti ragging mechanism in place.
- All the newly admitted students are divided into groups and each group is attached with a faculty counsellor who acts as local guardian and career guide throughout their stay in the university.
- The chief warden along with proctor and wardens arrange meeting with senior students in respective hostels and apprise them of the Supreme Court's views & decision in regard to ragging and of the seriousness we attach to this menace.
- A team especially formed under the supervision of Dean Students Welfare carries out anti-ragging campaign inside university campus through banners. Posters in the campus and by organizing awareness programmes in academic premises.
- A special team consisting of Chief Warden, Medical Officer and Lady Medical Officer of the University and the specialist (s) engaged for the purpose.
- **Further an Advisory Committee on Ragging is in place. It consists of senior faculty members of the University, representative of stakeholders and district administration (Civil & Police).**

**HARYANA COMMON POSTGRADUATE ENTRANCE TEST
(M.E./M.TECH.)
(HCPET- M.E./M.TECH.- 2013)**

**APPLICATION FORM
(Facilitating University: DCRUST, Murthal)**

For office use only:

Sr. No.: _____

| | |
|--------------------|--------------------|
| Received on: | Received by: |
| Regn. No: | |

Note: Candidates must go through the prospectus carefully before filling up application form. No column should be left blank. Please write 'NA' against the particular which is not applicable.

Demand Draft No.: _____ Dated: _____

Name of the Bank: _____ Amount: _____

1. a) Name of the programme with Branch/Course*: _____

- b) Group/Cluster No. (Refer Chapter -7) : _____
2. Choice of exam centre (For Non- GATE Candidate): 1. _____
(See Note -2 of Chapter- 3) 2. _____
3. Name in Full (in block letters) : _____
4. Father's Name (in block letters) : _____
- **Occupation & gross annual income : _____
5. Mother's Name (in block letters) : _____
- **Occupation & gross annual income: _____
6. **Category: General / (SC/ST/BC-A/BC-B/PH/ESM/ ROM/SBC/EBP/FF): _____
7. Date of Birth (DD/MM/YYYY) : _____

Paste latest Passport size
Photograph

(Don't staple or Pin up)

Signature (in above box)

* Only one application is required for all courses in a particular Group/Cluster. If an applicant wishes to apply for more than one course in different Groups/Clusters, he/she has to use different application forms for each Group/Cluster & has to pay the separate fees.

**Without income proof, reserved category (SC/BC-A/BC-B/SBC/EBP) can not be claimed.

8. Gender : _____
9. Nationality : _____
10. Address for correspondence : _____

Pin _____

Phone: _____ Mobile: _____

E-mail : _____

11. Do you have valid GATE score? (Yes/No). If yes, furnish the following details:

| Qualifying year of GATE | Valid upto | Discipline/ GATE Paper | Paper Code | Roll No. | Score |
|-------------------------|------------|------------------------|------------|----------|-------|
| | | | | | |

12. Details of Academic Qualifications: (Attach attested copies of Detailed Marks Cards & Certificates)

| S. No. | Examination Passed | University/Board | School/College | %age of Marks/CGPA | Year of passing | Discipline/ Subjects |
|--------|-------------------------------|------------------|----------------|--------------------|-----------------|----------------------|
| 1. | Matric | | | | | |
| 2. | 10+2 | | | | | |
| 3. | B.Tech./B.E. /M.Sc./M.C.A. | | | | | |
| 4. | Any other qualification | | | | | |

Place:
Date:

Signature of the Applicant

DECLARATION BY THE CANDIDATE

I, hereby declare that all the entries made in this form are correct. I further declare that I fulfill the minimum eligibility conditions laid down for admission. In case of detection of any false entry, especially in respect of qualifying examination / reservation, my admission be treated as cancelled at any time during the course of my study and I shall have no claim what so ever except refundable charges.

I am fully aware of the Hon'ble Supreme Court directives with regard to ragging. I shall not indulge in any act of ragging and shall strictly adhere to the code of conduct prescribed by the University/ Institute.

Place:

Date:

Signature of the Applicant

LIST OF ENCLOSURES (Please Tick Mark):

Attested copy of each of the following:

1. Demand Draft as applicable.
2. Qualifying Degree Certificate.
3. Detailed Marks Card of the Qualifying Examination.
4. Matriculation / Higher Secondary Examination Certificate, indicating date of birth.
5. Valid GATE Score (if applicable)
6. Character Certificate from Head of the Institution last attended.
7. Reserved category certificate (if applicable) issued by competent authority as per Haryana Government format.
8. Conversion Table / Formula showing equivalence between percentage and CGPA of the qualifying examination, if any.
9. Certificate- Resident of Murthal Village (ROM)/Khanpur Kalan/Bhainswal Kalan, if applicable.

(Medical Fitness Certificate from Gazetted Medical Officer to be submitted at the time of admission).

ANNEXURES

ANNEXURE –I

CHARACTER/BONAFIDE CERTIFICATE (From the institution last attended)

Certified that Mr./Ms. _____ son/daughter of
Shri _____ has been a bonafide
student of this University/Institute/College during the period from _____ to _____. He/She has
appeared in /passed the _____ Examination of the _____
(University/Board) held in _____ under Roll No. _____.
He/She has obtained _____ marks out of _____ marks
OR * He/She has failed/ been placed under compartment in the subject/ paper of

_____.

It is further certified that Mr./Ms. _____ bears
_____ (good/bad) moral character and his/her general conduct during his/her stay in
the institution has been found _____ (satisfactory/unsatisfactory).

No. : _____

Date : _____

Signature of Head of Institution
(with office seal)

* Strike out whichever is not applicable.

**HARYANA RESIDENT CERTIFICATE
(for bonafide residents of Haryana only)**

Certified that Mr./Ms. _____ son/daughter of
Shri _____ resident of House
No. _____ Lane/Street _____ of Village/Town _____
Tehsil _____ Distt. _____ of Haryana since _____ and
applicant for admission to various M.E./M.Tech. Courses in Haryana, is a bonafide resident of Haryana
State in terms of Chief Secretary, Haryana letter no. 62/17/95-6 GS1 dated 03.10.1996, letter no.
62/32/2000-6GSI dated 23.05.2003, letter no. 62/27/2003/6 GS1 dated 29.07.2003, letter no. 22/28/2003-
3GS-III dated 30.01.2004 under clause _____.

No. _____

Signature of the issuing authority

Date: _____

Name _____

Place: _____

Designation _____
(with office seal)

- Note:**
- i) The competent authorities to issue Haryana Resident Certificate will be as per State Govt. Letter no. 22/28/2003-3 GS III dated 30.01.2004.
 - ii) The candidates, who have passed their qualifying examinations from the Universities/Board/Institutes located in Haryana are not required to produce Certificate of Haryana Resident.
 - iii) The certificate must have been issued on or after 31.01.2013.

CERTIFICATE FROM THE EMPLOYER

Certified that Mr./Ms. _____ son/daughter/wife of
Shri _____ is serving as a/an
Regular adhoc/contract employee of _____ (name of
organization). Presently, he/she is posted as
_____ in the Department of
_____ at _____ (place of posting).

It is further certified that his/her conduct has been found satisfactory/unsatisfactory during his/her stay.

No. _____

Date: _____

Place: _____

Signature of the issuing authority

Name _____

Designation _____
(with office seal)

SCHEDULED CASTE CERTIFICATE

Certified that Mr./Ms. _____ son/daughter of
Shri _____ resident of House
No. _____ Lane/Street _____ of Village/Town _____
Tehsil _____ Distt. _____ of Haryana belongs to _____ Caste
which has been notified as Scheduled Caste by the Haryana Government. This certificate is being issued
to him/her according to the Haryana Govt. Circular letter no. 333(1)-97, dated 25.02.1997, No.
22/28/2003-3 GS III dated 30.01.2004 and letter dated 21.06.2004.

No. _____

Date: _____

Place: _____

Signature of the issuing authority

Name _____

Designation _____
(with office seal)

**BACKWARD CLASS CERTIFICATE
BLOCK 'A' OR 'B'**

Certified that Mr./Ms. _____ son/daughter of
 Shri _____ resident of House
 No. _____ Lane/Street _____ of Village/Town _____
 Tehsil _____ Distt. _____ of Haryana belongs to _____ Caste,
 which has been notified as Backward Class by the Haryana Government and is placed in Block
 _____ (mention Block A or B). Further, certified that he/she is not covered in
 Creamy Layer (Reference from the Chief Secretary, Haryana letter no. 1170-SWL1-95 dated 07.06.1995
 & No. 62/17/95-6 GSI dated 03.10.1996 and No. 22/36/2000 3GSIII dated 09.08.2000). This certificate is
 being issued to him/her in terms of notification issued by Chief Secretary, Haryana vide memo no.
 22/282003-3 GS III dated 30.01.2001.

No. _____

Signature of the issuing authority

Date: _____

Name _____

Place: _____

Designation _____
(with office seal)

SPECIAL BACKWARD CLASS CERTIFICATE

Certified that Mr./Ms. _____ son/daughter of
Shri _____ resident of House
No. _____ Lane/Street _____ of Village/Town _____
Tehsil _____ Distt. _____ of Haryana belongs to _____ Caste,
which has been notified as Special Backward Class by the Haryana Government. Further, certified that
he/she is not covered in Creamy Layer (Reference from the Chief Secretary, Haryana letter no. 1170-
SWL1-95 dated 07.06.1995 & No. 62/17/95-6 GSI dated 03.10.1996 and No. 22/36/2000 3GSIII dated
09.08.2000). This certificate is being issued to him/her in terms of notification issued by Principal
Secretary, Haryana vide letter no. U.O. No. 59 SW (1) 2013 dated 24.01.2013.

No. _____

Date: _____

Place: _____

Signature of the issuing authority

Name _____

Designation _____
(with office seal)

**ECONOMICALLY BACKWARD PERSON
IN GENERAL CASTE'S CERTIFICATE**

Certified that Mr./Ms. _____ son/daughter of
 Shri _____ resident of House
 No. _____ Lane/Street _____ of Village/Town _____
 Tehsil _____ Distt. _____ of Haryana belongs to _____ Caste
 and he/she belongs to economically backward person in general caste's category. It is certified that the
 total annual income of his/her family does not cumulatively exceed Rs. 2,50,000/- (Rs. Two Lakh Fifty
 Thousand only) per annum from all sources including agricultural income. This certificate is being issued
 to him/her in terms of Notification issued by Principal Secretary to Govt. Haryana letter no. U.O.No. 60 SW
 (1)-2013, Dated 23.01.2013.

No. _____

Signature of the issuing authority

Date: _____

Name _____

Place: _____

Designation _____
(with office seal)

ANNEXURE – VIII

AFFIDAVIT

(by the parents of the backward class/special backward class category candidates)

I, _____ Father/Mother of _____ Resident of
_____ Tehsil _____ District _____ of
Haryana seeking admission to M.E./M.Tech. courses in Haryana do hereby solemnly affirm & declare that
I belong to _____ Caste, which is included in the list of Backward Classes Block
(‘A’/‘B’)/ Special Backward Classes approved by the Haryana Govt. I further declare and affirm that, I and
my wife/husband are not covered under the criteria fixed by Haryana Govt. (Refer Chief Secretary,
Haryana letter no. 1170-SWL1-95 dated 07.06.1995 & No. 62/17/95-6 GSI dated 03.10.1996 and No.
22/36/2000 3GSIII dated 09.08.2000 and No59SW(1)-2013, dated 24/01/2013) for excluding socially
advanced persons/sections (Creamy Layer) from Backward Classes. I further undertake that in case the
information contained in the above paragraph is found false at any stage, the Competent Authority will be
entitled to cancel the admission of my ward.

Date: _____

DEPONENT

Place: _____

VERIFICATION

Verified that the above statement is true and correct to the best of my knowledge and belief and nothing
has been concealed therein.

Date: _____

DEPONENT

Place: _____

AFFIDAVIT

(by the parents of Economically Backward Person in General Caste's Category candidates)

I, _____ Father/Mother of _____ Resident of _____ Tehsil _____ District _____ of Haryana seeking admission to M.E./M.Tech. courses in Haryana do hereby solemnly affirm & declare that I belong to _____ Caste. I declare and affirm that the total annual income of my family does not cumulatively exceed Rs. 2,50,000/- (Rs. Two Lakh Fifty Thousand Only) per annum from all sources including agricultural income. I further declare and affirm that, I fulfil all other stipulated conditions and criteria mentioned in Principal Secretary to Govt. Haryana letter U.O. No. 60 SW (1) – 2013 dated 23.01.2013 to be an economically backward person in general caste's category. I further undertake that in case the information contained in the above paragraph is found false at any stage, the Competent Authority will be entitled to cancel the admission of my ward.

Date: _____

DEPONENT

Place: _____

VERIFICATION

Verified that the above statement is true and correct to the best of my knowledge and belief and nothing has been concealed therein.

Date: _____

DEPONENT

Place: _____

PHYSICALLY HANDICAPPED CERTIFICATE

OFFICE OF THE CHIEF MEDICAL OFFICER _____

No. _____

Dated : _____

Certified that Mr. / Ms. _____ son/daughter/wife of
Shri _____ resident of
_____ District _____ appeared

before the Medical Board for medical check-up. On his/her Medical Examination, it is found that the nature of handicap/disability is _____% and (as applicable) is as under:

1. Blind or Low Vision _____
2. Hearing impairment _____
3. Locomotor disability/cerebral palsy _____

Thus, the candidate is physically handicapped as per standard norms of Haryana.

(Signature of the applicant)

Chief Medical Officer
(with office seal)

Date: _____

Place: _____

Note: The handicap disability should not be less than 40% and should not interfere with the requirements of professional studies and career.

FREEDOM FIGHTERS CERTIFICATE
(Required to be furnished by children/grand children of freedom fighters)

Certified that Mr. / Ms. _____ son/daughter of
Shri _____ resident of

(Complete Address), a Freedom fighter of Haryana (Identity No. _____) is father
/ grandfather of Mr. / Ms. _____ (Name of the
Candidate) of Village/Town _____ Police-Station _____ Tehsil
_____ District _____ State
_____.

No. _____

(Deputy Commissioner of District concerned of Haryana
(with office seal)

Date: _____

Place: _____

ANNEXURE – XII

**CERTIFICATE FOR DECEASED OR DISABLED OR DISCHARGED MILITARY/PARA-MILITARY
PERSONNEL, EX-SERVICEMAN OR EX-PERSONNEL OF PARA-MILITARY FORCES**

Certified that Number _____ Rank _____ Name _____
 _____ S/o or D/o Shri _____
 Father/Mother of _____ Resident of Village _____
 _____ Post Office _____ Tehsil _____
 _____ District _____ belonging to the State _____
 of Haryana, has served in the Army/Air-Force/Navy _____
 _____ (Name of the Para-Military Force) from _____
 _____ to _____ and subsequently invalidated out of service as under:

1. Medical Category

- i) for JCO's _____
- ii) for ORS : Shape- I, II, III, etc. _____
- iii) for Rank/Designation (in case of Para-military forces) _____

2. Reason _____ for
 discharge/retirement _____

3. Death (whether killed in action
 Or any other reason)

4. If killed in action _____ name of
 the _____ war/operation

5. Disabled: Whether disabled during the war/operation (name)

6. Nature of disability

- i) Whether permanent, i.e., for life _____
- ii) Whether temporary, up to what extent

Next RSMB is due _____

Name of Records _____

Signature of the issuing authority
 (with office seal)

Case No.: _____

Date: _____

Note: Only the certificate issued by the Officer duly authorized by the Army/Navy/Air-Force/concerned
 Para-Military Force Headquarters, as the case may be, shall be entertained.

CERTIFICATE FOR THE EX-EMPLOYEES OF INDIAN DEFENCE SERVICES/PARA-MILITARY FORCES

Certified that Number _____ Rank _____ Name _____
_____ S/o or D/o Shri _____ Father _____
/ Mother of _____ Resident of Village _____
Post Office _____ Tehsil _____ District _____
_____ belonging to the State of Haryana, as per his/her service record at the
time of entry into service, had served in the Army/Air-Force/Navy _____
_____ (Name of the Para-Military Force) from _____ to _____
_____ and subsequently discharged/retired from the service on _____ as per
his/her service record. At the time of entry into service the home address given is
_____ (Distt. _____) Haryana.

Signature
Officer Commanding/Zila Sainik Board/
Competent Authority
(with office seal)

Date: _____

Place: _____

DECLARATION BY THE FATHER / GUARDIAN OF THE CANDIDATE

I certify that my son / daughter / ward _____ has applied for M.E./M.Tech. Course with my knowledge and consent and that I hold myself responsible for his / her good conduct and its maintenance and payment of fees during the period he / she will be on the University Rolls.

I am fully aware of the Supreme Court directives with regard to ragging and my son / daughter / ward will not indulge in any act of ragging and will strictly adhere to code of conduct prescribed by University/ Institute.

Place

Date:

Signature of the Father / Guardian

SPONSORSHIP CERTIFICATE
(On the letter head of the organization)

Certified that Mr. / Ms. _____ Son / Daughter/wife of Sh.
_____ has been working as _____ in the department
of _____ from _____ to _____ in this
Organization. His / her name is hereby sponsored for Full Time M.E. /M.Tech. Programme at Deenbandhu
Chhotu Ram University of Science & Technology, Murthal.

It is further certified that no enquiry is pending against him/her and he/she will be relieved to join the full
time course, if selected.

Place:
Date

Signature of the sponsoring
Authority with Stamp

RELIEVING CERTIFICATE
(On the letter head of the organization)

Certified that Mr. / Ms. _____ Son / Daughter / wife of
Sh. _____ currently working as
_____ in the pay scale of Rs. _____ on
permanent / temporary basis in our organization/department has been relieved to join M.E. / M.Tech.
Programme at Deenbandhu Chhotu Ram University of Science & Technology, Murthal and that no
vigilance / departmental or any other enquiry is pending against him / her.

Place:
Date:

Signature of the sponsoring
Authority with Stamp

CERTIFICATE- RESIDENT OF MURTHAL VILLAGE
(See Eligibility Criteria)

Certificate that Mr. / Ms. _____ S/o / D/o Sh. _____

Resident of _____ (Complete address) is a bonafide resident of Murthal Village in terms of Memo No. 7076-78(Engg.) dated 19th August, 2006 under the criterion 2.2(a),(c), (d), (e), (f), (g) (Please tick on the criterion which is applicable: refer to Guidelines given in Prospectus-2013)

Recommended by

Sarpanch
Village, Murthal (Sonepat).

Verified by

Halqa Patwari

Issued by

Tehsildar / Sub Division Magistrate / District Magistrate / General Assistant to Dy. Commissioner or Sub-Divisional Officer (Civil) of the District

ANNEXURE – XVIII

AFFIDAVIT

(by the parents of the Economically Backward Person (EBP) in general cast category of Haryana)

I, _____ Father/Mother of _____ Resident of
_____ Tehsil _____ District _____

seeking admission to M.E./M.Tech. courses in Haryana do hereby solemnly affirm & declare that I belong to EBP) in general cast category of Haryana, which is approved by the Haryana Govt. vide letter no. 60SW(1)- 2013 dated 23rd Jan. 2013. I further declare and affirm that, the total annual income of the family does not cumulatively exceed 2,50,000/- per annum from all sources in cluding agriculture income. I also declare & affirms that I am entitled to be a person of EBP category under the clause (iii)- (vi) of the above said letter. I further undertaking that in is false/incorrect at any sage, the competent authority shall be entitled to cancel the admission of my ward.

Date: _____

Verification

Place: _____

VERIFICATION

Verified that the above statement is true and correct to the best of my knowledge and belief and nothing has been concealed therein.

Date: _____

DEPONENT

Place: _____

KEY DATES

| Sr. No. | Event | Date & Time |
|---------|--|--|
| 1. | Availability of application form (to be downloaded from University Website only) | 10 th May, 2013 to 7 th June, 2013 |
| 2. | Last date for submission of application form at DCRUST | 7 th June, 2013 upto 5.00 p.m. |
| 3. | Availability of Admit Card | 10 th June, 2013. |
| 4. | Date of Entrance Test | 15 th to 17 th June, 2013. |
| 5. | Declaration of Result of Entrance Test | 19 th June, 2013. |
| 6. | 1 st Counselling for admission to M.E. / M.Tech. Programme | 21 st to 27 th June, 2013. |
| 7. | 2 nd Counselling for admission to M.E. / M.Tech. Programme | 5 th to 7 th July, 2013 |
| 8. | 3 rd Counselling for admission to M.E. / M.Tech. Programme at Institutional level | 12 th to 13 th July |
| 9. | Last date of completion of M.E. / M.Tech. Admission (as per AICTE notification) | 31 st July, 2013 |

Note:

1. For detailed information, visit the University website www.dcrustm.org
2. For any clarification/query about the information contained in this Prospectus, the Registrar of the concerned participating University may be contacted.