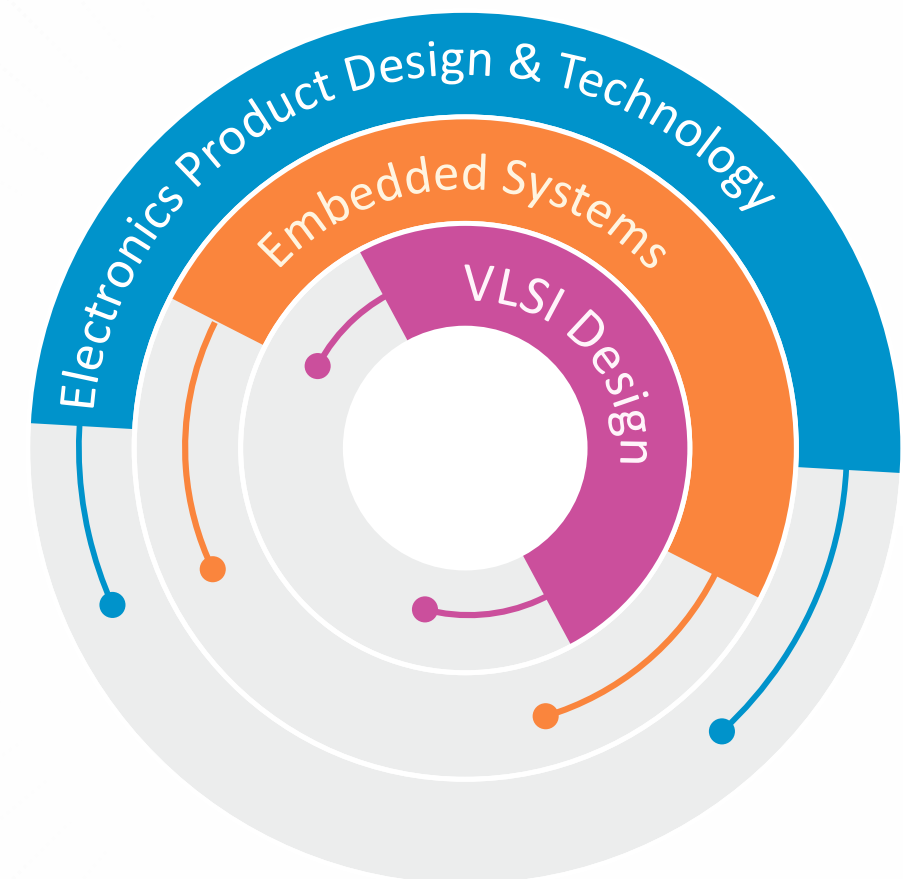


# M.Tech Programme



# Message



**Dr. Hemant Darbari**  
Director General, C-DAC

It gives me immense pleasure to announce the commencement of the admission process for the M. Tech programs at C-DAC, Mohali. To realize the dream of becoming a developed country by 2020, professionally expert human resource will play the pivotal role. It is envisaged that 60% of the employment will be generated in the niche area of Electronics, Computer Science and Engineering in order to meet the grand challenges around the globe. C-DAC's well-recognized brand image for its educational activities including short term certificate courses, diploma courses, corporate training programs, as well as its degree programs in collaboration with the universities is looked upon by the major players in these industries.

Our commitment to quality with the respect to relevance syllabus, quality of practical's, in depth exposure to theory, rigorous assessments, as well qualified faculty and rich and up to date infrastructure expose students to real-world experiences enabling translation of academic learning into actual accomplishment.

The envisaged programs match well with C-DAC Mohali's expertise over the last few decades. I am sure, with the local expertise and resources, C-DAC Mohali will be able to make this into another success story. I congratulate the enthusiastic team for this effort and wish the programme all success.

“Real education is that which enables one to stand on one's own legs” - Swami Vivekananda

  
(Dr. Hemant Darbari)

## Important Points

- Candidates are advised to read the Information brochure carefully before applying for the admission.
- Any clause contained in this Information brochure is subject to alteration(s) and modification(s) without prior notice.
- Candidates shall attend the counseling for admission at their own expenses.
- All admissions to M.Tech programme made during the counseling shall be provisional and subject to approval by the Director General/Executive Director (Principal) / Head of the Department.

# Message



**Dr. P.K Khosla**  
Executive Director, C-DAC

## Message from Executive Director, C-DAC Mohali

I take this opportunity, first, to congratulate the faculty and staff of ACSD for successfully operating M.Tech. programmes at C DAC Mohali since 1994. This has been possible only because of the hard work, dedication and continued contributions by the faculty and staff. I am extremely thankful to them for this, as well as the students and alumni who have made this year memorable through their involvement, dedication and devotion for the Institute. My appreciation to all of you for evolving this programme as the launch-pad for the next generation of engineers, technocrats and industry leaders.

ACSD is committed to creating the proper ambience for nurturing innovation, creativity and excellence in our students and strongly supports interdisciplinary research and development for the benefit of society. As a result, our students not only excel in academics, they push beyond their regular academic programme into collaborative research and live problems in the industry. It is also my pleasure to congratulate ACSD for conducting various workshops on latest trends in Research and Faculty Development Program and other Co-curricular activities.

I wish all the faculty members, staff and students to continue in the spirit and enthusiasm for further development of the institute and take it to enviable heights.

Dr. P.K Khosla

# Message



**Dr. Balwinder Singh**  
Head, ACSD

## Message from Head, ACSD

Academic and Consultancy Services Division, C-DAC Mohali has consistently maintained an exemplary academic record. The Department is taking an initiative to produce highly trained and capable engineers who deal with the challenges faced by the world today. The strength of the department lies in the expertise of the faculty and support of the staff that prepares students to work in global diverse cultural work environment. We expect our students to utilize the skills that they have developed during their stay at C-DAC to contribute towards a better society. The quality of academic structure, conduct guidelines and other activities undertaken at the institute are designed to produce competent and successful engineers.

We believe that academic structuring and practical approach play key role in the department. ACSD has a fine blend of renowned as well as young and dynamic personalities as faculty, who are involved in imparting quality education to the budding engineers. The faculty strives to bolster a teaching methodology that is a balance of practical and theoretical approach. This orientation has led to successful projects and training activities that are an asset for C-DAC. I would like to wish all faculty members, staff and students for a successful year ahead.

Dr. Balwinder Singh

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## An Overview

Centre for Development of Advanced Computing (C-DAC) Mohali is a Scientific Society of the Ministry of Electronics and Information Technology, DeitY, Government of India. It was set up in May 1989 as Centre for Electronics Design & Technology of India (erstwhile CEDTI), Mohali. In December 2002, CEDTI Mohali merged with C-DAC with a primary mandate to promote high end R&D.



C-DAC Mohali operates from its own impressive building having a covered area of approximately 4300 sq. mts. The centre is located in the ELTOP (Electronics Town of Punjab) complex amidst a large number of industries manufacturing electronic products related to computers, peripherals, communication equipment and that offers a great professional challenge to the faculty and students of the Centre.

As part of the mandate given to C-DAC Mohali to generate manpower to address the growing demand for trained manpower in the extremely fast moving sector of Electronics & Information Technology C-DAC Mohali has established its ACSD (Academic & Consultancy Services Division). ACSD provides high-end training in the field of hardware and software and runs M.Tech programme viz., Electronics Product Design & Technology (EPDT), Very Large Scale Integration (VLSI) Design, Embedded Systems (ES) and Information Technology (IT) along with its Research and Development activities in various fields. Intellectual alertness, creativity and talent for innovation go into the making of an engineering leader today and continue to be essential for professional competence tomorrow. The candidates selected for admission live in pleasant surroundings of intellectually stimulating campus, use the most modern equipments and laboratory facilities available and go through the specialized courses designed to meet the challenges of the future. The teaching methods rely on direct personal contact between the teachers and the students. Living in such an environment with people having similar goals and aspirations is an exciting experience during one's academic life and is of considerable value in one's professional career.

The institution is the first choice of the students from many states for pursuing quality education in respective fields because the students post graduated from C-DAC Mohali are among preferred employees by many top rated industries and research establishments.



## Vision

To emerge as the premier R&D institution for design, development and deployment of world class electronic and IT solutions for economic and human advancement.

## Mission

- Expand the frontiers of Electronics and Information Technology.
- Evolve technology solutions-architectures, systems and standards for nationally important problems.
- Achieve rapid and effective spread of knowledge by overcoming language barriers through application of technologies.
- Share experience and know-how to help build advanced competence in the areas of Electronics and Information Technology.
- Bring benefits of Electronics and Information Technology to society.
- Utilize the intellectual Property generated by converting it to business opportunity.

## Faculty

The main strength of the ACSD is its dedicated and committed faculty who nurture the budding scientists and professionals through effective teaching and practical training. The entire faculty has hands-on experience in industry and research. Most of the faculty has undertaken a number of research projects sponsored by various funding agencies, and also offer consultancy to major industries across the country. In addition to the regular faculty, ACSD invites visiting faculty from competitive institutes such as IIT Ropar, NIT Jalandhar, NIT Hamirpur, SCL Mohali, IISC Bangalore.

## Facilities

State-of-the-art Infrastructure and Industry focused curriculum and course contents leading to International certification, Creative cum learning work environment, Active placement cell, Experienced and resourceful faculty, close and constant contact between faculty and students.



## Laboratory Facilities

Labs are equipped with 180 PC's+2 Servers (All i3/i5 Latest Configuration), each system is compatible with LAN and integrated 100MBPS bandwidth. Each class room is equipped with LCD projector and all class rooms & labs are fully air conditioned. VLSI labs are facilitated with Cadence EDA tools having 40 licenses for academic & Research purpose and 30 FPGA Development Boards and 20 AVR kits. EPDT & Embedded System labs have MATLAB, PIC Development Boards, Keil compiler, Micro C, Visual DSP++ 3.5, MP Lab compiler, Red Hat, Ubuntu.



## Library

The Library provides an extensive range of hard copy resources and VCD/DVD's. It is organized on 'Open Access System' having well rounded collection of approximately 7800 volumes of books, 1000 accessible manuals, 200 data books and 70 periodicals/journals. These include text books, foundation books and books for subsidiary readings. Besides books on engineering and technology the library is fully equipped with books on Literature, General Knowledge, Aptitude, Applied Science, Humanities and Social Sciences to enrich the knowledge of the students in liberal arts and humanities. Our aim has been to meet course books requirement of students in full measures and in this direction we procure multiple number of books by various authors on the same subject.

The books are issued to the students for the maximum of 15 days except reference books, Data books, Directories, Hand books, Reports, Standards. The books, which are not available in the library, are procured on the request of members. The reprographic facility is available for all members and students. IEEE and ACM online access of Journals and Conference Proceedings are also available inside the institute. There is a provision of separate reading carrels for the faculty.

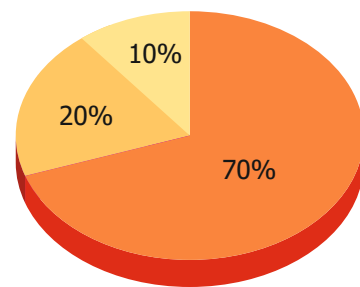




## Placement Cell

The placement cell lead by its Placement Officer, handles all the placement activities for the final year students of the institute. The cell along with the student's co-ordinator provides the best possible assistance to the recruiters and also put their consummate efforts, extending from contacting companies, managing all logistics for arranging of tests, group discussions, pre-placement talks and final interviews.

## Placement Records @ ACSD



- Teaching
- PhD/Research
- Core Technical

## Research/PhD

- IIT, Mandi
- NIT, Jalandhar
- C-DAC, Mohali
- IIT, Jodhpur
- IIT, Ropar

## Core Technical

- Cadence Design Automation
- HCL Technologies
- ST Microelectronics
- Nvidia Graphics
- C-DAC Campus

## Teaching

- LPU, Jalandhar
- DAV Institute of Engineering and Technology, Jalandhar
- Panjab University, Chandigarh
- NIELIT Chandigarh
- Chitkara University, Baddi
- Chandigarh Group of Colleges, Landran

- Kurukshetra University
- Bahra University, Solan
- Chandigarh University, Gharuan
- Maulana University, Ambala
- Indo Global College of Engineering
- Rayat Institute of Engineering and Technology

# Departmental Activities

## Workshop

C-DAC Mohali organized two days workshop sponsored by DST-SERB on 22nd & 23rd June 2017 on “Futuristic Trends of Nanoscience & Technology, NEMS and MEMS”. It was inaugurated by Chief Guest Prof. A K Ganguly and Sh. D.K. Jain, the then director of C-DAC Mohali. Various expert speakers from NIT's, IIT's, CSIO and other reputed organizations had delivered the lectures. More than 130 participants were benefited from this two days workshop.





## Faculty Development Program

One week (08.01.2018 to 12.01.2018) FDP was organized in collaboration with IIT Roorkee on the subject VLSI Devices and Technology). Number of lectures and practical were conducted to upgrade the faculty members in their fields.



## Conference

DSIR sponsored conference on “AGRI SMARTS 2018” was organised at C-DAC, Mohali from 19.11.2018 to 20.11.2018. The inaugural ceremony was done in the presence of Chief Guest Sh. Ashwani Gupta, Scientist 'G' & Head DSIR, New Delhi. The experts of the different R&D organization shared their expertise in the field of technology useful for agriculture and forming in future.



## Student Counseling Cell

Student Counseling at ACSD promotes Education and Career, psychological, mental or emotional counseling of the students, which leads to complete personality development and industry / society ready individuals. At the Institute level, the idea is to guide and help out students throughout their study, providing appropriate guidance at each stage of the student's development or progress. Students are assigned with faculty from day one and the faculty counselors closely associated with students to hear their problems and to improve their quality of life thus create a learning environment that facilitates their individual development.

In addition to internal counseling sessions, ACSD arranges expert counseling sessions also on personality development, stress management and for well being of the students throughout their walk in the institute.



## Sports and Cultural Activities







## Workshop on Research Methodologies

A workshop on Research Methodologies was organized by ACSD from 20<sup>th</sup> to 21<sup>st</sup> September, 2013. M.Tech students and staff of different departments attended the same. The two day program was inaugurated by Sh. J.S. Bhatia, former Executive Director and Prof. Harmesh Kansal, UIET Chandigarh gave enlightened talk on Aspects and Applications of Research Methodologies. Expert Lecture on Technical Document Writing with LATEX was given by Dr. Ashish Singla, Thapar University, Patiala.



## Teacher's Day Celebration

The M.Tech Students at C-DAC Mohali showcased their love and respect for teachers in planning and organizing a surprise party on 5<sup>th</sup> September 2013. The main focus was to allow students to commemorate and appreciate what the teachers have done for them throughout their academic stint in C-DAC Mohali. All the teachers came together for the cake cutting ceremony and had a wonderful time together.



## Holi Celebration

ACSD has celebrated Holi on 12<sup>th</sup> March, 2014 which was organized by the students. Celebration began with brief opening speech by Director, C-DAC Mohali. The students and the faculty came together to ignite this beautiful festival and celebrated Holi by splashing flowers on each other followed by colors. "The event was a fantastic success and genuinely encompassed the jovial and open spirit that Holi aims to cultivate". Indian culture is known for its colors and vibrancy and the celebration at C-DAC perfectly showcased this.





## Inter Student Sports Meet (ISSM-2014)

Sports day is an important event in the life of every school or college. C-DAC Mohali had organized its annual sports meet on 11<sup>th</sup> April, 2014. The Sports meet was an entertaining affair which was began with Minithon from C-DAC complex (3 Kms) headed by Director, C-DAC Mohali, HoDs, faculty members and students. All the students had actively participated in the sports meet.

Sports events were held in the spacious C-DAC grounds. The chief guest Director, C-DAC Mohali inaugurated the program. Sportsmen and women volunteers participated in the march past. The below listed sports events were organized

- Boys Cricket Matches
- Badminton Match: Doubles and Mix Doubles
- 100 Meter Race
- 200 Meter Race
- Table Tennis
- Tug of War

The events which evoked the greatest interest were the Cricket match, Badminton match and Tug of war. Sports meet finally came to its conclusion with closing ceremony. The sports meet closed with brief closing speech by Chief Guest who praised all participants for bringing "Sporting talent, Sportsmanship and Team work". The sports meet ended with the National Anthem and Prize distribution was held on 9<sup>th</sup> May, 2014.



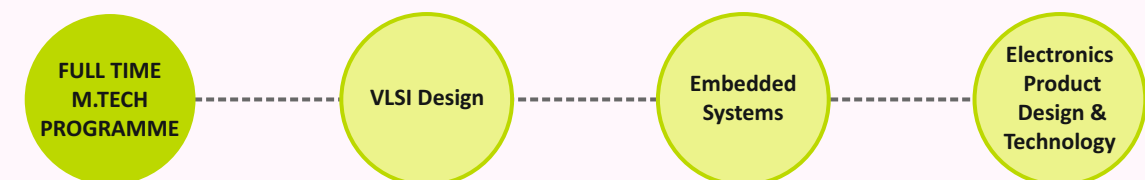
## Spoken Tutorial Workshop on Latex in Collaboration with IIT Bombay

ACSD conducted a 2 hours Workshop on 2<sup>nd</sup> April, 2014 in association with Spoken Tutorial Project, IIT Bombay. The theme of the workshop was Free and Open Source Technical Writing using Software "LaTeX". This workshop was attended by students of M.Tech (Embedded Systems and EPDT). The Spoken Tutorial project is the initiative of the 'Talk to a Teacher' activity of the National Mission on Education through Information and Communication Technology (ICT), launched by the Ministry of Human Resources and Development, Government of India.



# M.Tech Programme

Two years full time / three years part time programme leading to the degree of Master of Technology are offered by ACSD of C-DAC Mohali. The course curriculum of the programme has been carefully designed to impart wide knowledge in the respective areas of specializations, suitable for placements in reputed organizations and for higher studies within and outside the country.



## Admission Information

Candidates seeking admission to various M.Tech programmes of C-DAC Mohali are required to apply online on the link available on the C-DAC website . Admissions to the M.Tech programmes are normally based on the merit list based on the marks obtained in the B.Tech / B.E and valid GATE score.

## General Eligibility Criteria

The admission to all the M.Tech programme will be regulated through Graduate Aptitude Test in Engineering (GATE) in the relevant branch. However, non-GATE-qualified students may also be considered for admission, provided seats remain vacant after considering all the GATE qualified applicants. All those candidates who have passed B. Tech/B.E with at least 55% marks in aggregate, preference with valid GATE -2013-14 score shall be eligible.



M.Tech Programmes offered

Name of the Programme	No. of Seats	Eligibility for Admission
VLSI Design	18	B.E/B.Tech in Electronics & Communication Engineering/Electrical Engineering/Electronics & Instrumentation Engineering/Electrical & Electronics Engineering/Computer Science Engineering/ Information Technology/Control Engineering/ Micro Electronics Engineering
Embedded Systems	18	B.E/B.Tech in Electronics & Communication Engineering/Electronics & Instrumentation Engineering /Applied Electronics/Instrumentation & Control Engineering/Electrical & Electronics Engineering/M.Sc in Physics(with specialization in electronics)
Electronics Product Design & Technology	18	B.E/B.Tech in Electronics & Communication Engineering/Electronics & Instrumentation Engineering /Applied Electronics/Instrumentation & Control Engineering/Electrical & Electronics Engineering/M.Sc in Physics (with specialization in electronics)

Additional requirements for part time/sponsored candidates

An applicant for a sponsored seat must have a minimum of 2 years full time work experience, as on the last date of receipt of completed application form in the sponsoring organization viz. Central/State Government Autonomous Body/Public Limited Company or as a teacher in an AICTE approved institute. A sponsored candidate will be considered for admission in only that branch of that M.Tech programme for which he/she has been granted permission by his/her parent department /organization. The main activities of the sponsoring organization should relate to the programme in which the candidate is seeking admission.

An applicant seeking Part-time admission must have a minimum of 2 years full time work experience, as on the last date of receipt of completed application form in the present organization viz. a registered firm/company/industry/educational and research institution/any Government Department or Government Autonomous Organization will be considered for admission to only that specialization for which he/she has been granted permission by his / her parent department.

Candidates sponsored by Central/State Govt. Autonomous Bodies/Public Ltd. Companies/AICTE approved institutes, for admission to M.Tech programme, shall be allowed to attend the classes only after they submit the certificate of proceeding on leave from their parent organization.

If a sponsored/part-time candidate leaves his/her organization during the programme of study, his/her name will be deemed to have been removed from the institute rolls from the date he/she leaves that organization.

Reservation of seats

The reservation of the seats shall be as per the Punjab Government, Department of Technical Education and Training Memo. No. 13/2/05-1TE2/409 dated on 20/02/2006.

Financial Assistance

C-DAC Mohali offers financial assistance in the form of GATE scholarship. The students admitted to M.Tech programme on the basis of valid GATE score are eligible to entitle scholarships according to the AICTE / MHRD norms. Grant of Scholarship is further subject to the availability of funds and on the fulfillment of conditions for such award. Post matric scholarship scheme is also applicable according to eligibility criteria. For more details log onto <http://punjabscholarships.gov.in/>

Submission of Application at C-DAC Mohali

At the time of reporting students shall be required to submit the following in original as well as attested copies of all the said below

1. Residence Certificate and Original Degree / Provisional certificate of passing B.Tech / B.E. examinations.
2. Matriculation Certificate containing date of birth.
3. Detailed Marks Card of the qualifying examination.
4. Reserved Category / Sub-category Certificate issued by the Competent Authority, if applicable.
5. Gap certificate, if applicable.
6. Five recent passport size photographs.
7. Fee Deposit Slip (Counseling fee slip).
8. Medical fitness certificate.

**NOTE:** Syllabus & subject offers in the various specialization are available on our website on [www.acsd.ac.in](http://www.acsd.ac.in)

# Fee Structure

The Institute fee include the following

## First Semester

Security (Refundable)	₹ 5,000/-
Admission Fee	₹ 5,000/-
Tuition Fee	₹ 30,000/-
Examination Fee	₹ 700/-
Development Charges	₹ 4,000/-
University Related Fee	₹ 1,150/-
Students Activity Charges	₹ 500/-
<b>Total amount to be paid at the time of admission</b>	<b>₹ 46,350/-</b>

## Second Semester

Tuition Fee	₹ 30,000/-
Examination Fee	₹ 700/-
Development Charges	₹ 4,000/-
University Related Fee	₹ 550/-
Students Activity Charges	₹ 500/-
<b>Total amount to be paid at the time of admission</b>	<b>₹ 35,750/-</b>

## Third Semester

Tuition Fee	₹ 18,000/-
Examination Fee	₹ 700/-
Development Charges	₹ 4,000/-
University Related Fee	₹ 550/-
Misc. Charges	₹ 5,000/-
Students Activity Charges	₹ 500/-
<b>Total amount to be paid at the time of admission</b>	<b>₹ 28,750/-</b>

## Fourth Semester

Thesis Fee	₹ 10,000/-
Examination Fee	₹ 700/-
Development Charges	₹ 4000/-
University Related Fee	₹ 550/-
Misc. Charges	₹ 5000/-
Students Activity Charges	₹ 500/-
<b>Total amount to be paid at the time of admission</b>	<b>₹ 20,750/-</b>

## Hostel Fee details

Hostel Establishment fund	-----
Common room fund	₹ 6,600/- per semester
Mess fund	₹ 115/- per day
Hostel mess security deposit (Refundable)	₹ 500/-
<b>Total amount to be paid at the time of admission</b>	<b>₹ 7,100/- (six months rent)</b>

## Adjustment/Refund of Fee rules

- In case a student surrenders his / her seat before 8<sup>th</sup> August i.e. before 7 days of the last date of admission (15<sup>th</sup> August ) through an application to the college, the college will refund his /her full fee within 7 days after deducting ₹ 1000/- only. Student shall also forward a scanned copy of application submitted to the college at email [admissioncell.ptu@gmail.com](mailto:admissioncell.ptu@gmail.com).
- If a student leaves after joining the course and if the seat subsequently falling vacant gets filled by another candidate by the last date of admission, the institute must return the fees collected with proportionate deduction of monthly fee and proportionate hostel rent, where applicable.

## Hostel Accommodation rules

The Institute has basic amenities in various Hostels to make the stay of the students comfortable to the maximum extent, however students are required to carry beddings themselves. The boarders are expected to follow the hostel rules and other instructions issued by the hostel authorities from time to time. It is expected that the students will also go through the undertakings to be submitted at the time of admission in various hostels and they are also supposed to adhere to the same in their own interest.

- Only regular students of C-DAC Mohali shall be admitted to stay in the hostels.
- The student is required to deposit the fees at the time of admission and thereafter as decided by the authorities from time to time.
- Rooms will be allotted by the Warden(s) / Assistant Warden(s) as per the policy for allotment of rooms decided in a meeting of Warden(s). Warden of the respective hostels may consider the written request for the change of rooms and decide the same on the basis of first come first serve.
- The students vacating the hostel will have to clear all the dues and hand over the possession of the room to get clearance certificate from the Warden/Assistant Warden.
- Students have to comply to the orders of vacating the hostels. No student shall be allowed to over stay in the hostel. Any one staying beyond that would be treated as guest and twice the amount will be charged per day. Such boarders would have to seek prior permission from Wardens after seeking recommendation from their respective departments.

- If a student does not appear in the end semester examination, then the concerned HOD will forward the name of the student for termination to the Principal / Executive Director.
- Minimum of 75 percent attendance in each subject is necessary for being admitted to examination in that particular subject. Besides, the students must carry out and acquaint themselves with laboratory and practical work covered during the year to the satisfaction. Students are required to pursue their studies regularly and those whose performance in the class tests is not satisfactory are liable to be detained by the Director from appearing the University Examinations. The detailed rules and syllabi of the University Examinations are available and every student is advised to get the latest copy of it for his / her own guidance.
- Every student shall be offered theory/practical papers for examination as per the scheme of examination approved by the BoS of PTU, Jalandhar.

## Medical Leave

Leave on medical ground, duly supported by a medical certificate may be granted to student up to eight days per semester. Unveiled leave may be carried over to the next semester up to a maximum of eight days. However, at a stretch, the medical leave shall not exceed 15 days. The medical certificate must be obtained from the medical officer of a Government Hospital or C-DAC's empanelled hospitals.

## Rules & Regulations for GATE Scholarship

1. The students admitted to M.Tech degree courses on the basis of valid GATE score are eligible to entitle scholarships according to the AICTE/MHRD norms. Grant of Scholarship is further subject to the availability of funds and on the fulfillment of conditions for such award.
2. GATE Scholars would be required to deliver a work load 8 to 10 hours per week related to teaching and research activities as assigned by the Head of Department.
3. Every student must submit a formal application for grant of Scholarship in the prescribed form within a week from the date of actually joining the M.Tech classes duly attested by concerned Head of the Department.
4. Awardees under M.Tech scholarship scheme will not be allowed to receive additional scholarship or stipend or special allowance from any other source. In case of any candidate who is in receipt of such award, the same must be surrendered and the amount received as such should be refunded before the benefit of scholarship availed of.
5. Good conduct and regularity in attendance are also implied condition for the continuance of the scholarship.
6. If any candidate is found to be ineligible for the award of the scholarship for any reasons whatsoever including wrong information given by the student concerned, the scholarship will be cancelled and the total amount paid to him/her will be recovered in lump sum.
7. In the event of securing less than 60% marks 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> semester examination, student cannot claim on Scholarship. Further he/she should understand that M.Tech. Scholarship once discontinued for any reason will not be continued again even on securing first division 60% marks in later semester.
8. Unsatisfactory progress/misconduct of student during the course will result in discontinuation of Scholarship.
9. Unauthorized absence from the college will result in forfeiture of scholarship in part or in whole for the period of absence or subsequent to such absence.
10. A student who has not appeared in the Semester University Examination due to shortage of attendance or otherwise will be debarred from future payment of scholarship. Unsatisfactory progress/misconduct of a student during the course may result in discontinuation/on of scholarship.
11. Students who are in receipt of the GATE scholarship may be permitted for entitlement of 30 days leave in a year without loss of scholarship and they are not entitled for vacation.

## Seat Matrix

S. no.	Course Name	Category	Total Seats
1.	Electronics Product Design & Technology	Backward areas, Eligible for Urban Area Status in Punjab State, Punjab State 85% Quota for Candidate of Punjab, Candidate belongs to Non Sikh Minority	1
2.	Electronics Product Design & Technology	Children/Widows of Police/Para military forces/ Punjab Police; PAP and Punjab Home Guards, Eligible for Urban Area Status in Punjab State, Punjab State 85% Quota for Candidate of Punjab, Candidate belongs to Non Sikh Minority	1
3.	Electronics Product Design & Technology	General, Eligible for Urban Area Status in Punjab State, All India Category(15% Quota for other States), Candidate belongs to Non Sikh Minority	2
4.	Electronics Product Design & Technology	General, Eligible for Urban Area Status in Punjab State, Punjab State 85% Quota for Candidate of Punjab, Candidate belongs to Non Sikh Minority	8
5.	Electronics Product Design & Technology	Riot affected/ Terrorist Affected Families, Eligible for Urban Area Status in Punjab State, Punjab State 85% Quota for Candidate of Punjab, Candidate belongs to Non Sikh Minority	1
6.	Electronics Product Design & Technology	Schedule Castes/ Scheduled Tribes, Eligible for Urban Area Status in Punjab State, All India Category (15% Quota for other States), Candidate belongs to Non Sikh Minority	4
7.	Electronics Product Design & Technology	Schedule Castes/ Scheduled Tribes, Eligible for Urban Area Status in Punjab State, Punjab State 85% Quota for Candidate of Punjab, Candidate belongs to Non Sikh Minority	1
1.	Embedded Systems	Backward Classes, Eligible for Urban Area Status in Punjab State, Punjab State 85% Quota for Candidate of Punjab, Candidate belongs to Non Sikh Minority	1
2.	Embedded Systems	Children/Widows of Police/Para military forces/ Punjab Police; PAP and Punjab Home Guards, Eligible for Urban Area Status in Punjab State, Punjab State 85% Quota for Candidate of Punjab, Candidate belongs to Non Sikh Minority	1

## General conduct and discipline rules

1. Boarders should keep their rooms and hostel premises clean.
2. The boarder shall not damage any hostel property.
3. Students should switch off lights, fans etc. when they are not required. For the use of other electric appliances, prior permission of Warden is mandatory.
4. The boarders are not allowed to gamble, to consume intoxicants (narcotics, alcohol beverages, smoking etc.) or to have possession of them in the hostel premises.
5. The boarders are not allowed to invite any member of opposite sex to their rooms in the hostels.
6. The boarders are not allowed to accommodate any guests in their rooms without written permission of the hostel authorities; prior permission is to be obtained from Warden. Nominal stay charges of ₹ 30/- (Rupees thirty only) per night shall be charged even if the guest stays with the boarders.
7. The boarders are not allowed to keep with them any fire arms or weapons even if they possess license thereof.
8. Entire Institution is smoking free zone and the boarders are to abide by this.
9. The boarders are not allowed to invite undesirable elements to the hostel premises.
10. The boarders are not allowed to cook in the rooms.
11. The boarders are not allowed to stay overnight out of their hostels or to go out of station without prior permission of the hostel authority.
12. Any act of manhandling, group fighting, intimidation or violence, wilful damage to property or drunken behavior, both inside and outside the campus constitutes a breach of discipline and is considered a serious offence.
13. The boarders shall refrain from ragging the junior students in any form and violation of it will be treated as a gross misconduct and shall be dealt with as per anti ragging regulations.
14. The boarders shall not indulge in any act of theft, immoral acts, misbehavior with hostel/mess staff, spread of regionalism, communalism and casteism etc.
15. Spreading rumors, filing false complaints either in written form or through e-mail, if proved, would be considered an act of serious indiscipline.
16. The boarders are required to refrain from indulging in any activity leading to cyber crime. They should not use social web sites to defame others and misuse the internet.
17. The boarders are expected to live in the hostel as a community and with a full sense of responsibility. They should behave with restraint, maintain decorum and should not act in any fashion, which may cause disturbance to anybody. The boarders shall observe 10.00 pm to 6.00 am as silence hours. The boarders are expected to be in their rooms from 10.00 pm (7.30 pm for girls) onwards till next morning.
18. Clock alarms should be switched off, when not in use. There have been instances when students have set the alarm and gone on long leave, and some of them ringing for hours and spoiling the peace of fellow hostellers.
19. Water should be carefully used and not wasted.
20. Wrong entry, improper/lack of entry in exit register, signing on behalf of another person, tampering with the entries, proxy attendance and mis guidance of any nature are punishable. In case of any quarrel between or among roommates it should be reported to the Warden for appropriate action.
21. Students coming late/or absent regularly will be expelled from the Hostel. Such students shall not be readmitted under any circumstances.
22. Collection of donation for any purpose (Religious/ otherwise) is also strictly prohibited.
23. The inmates are supposed not to fire crackers in the corridors or within the hostel buildings. They are also not allowed to spill over water inside the corridors during any festivals.
24. The boarders are not allowed to take any common room or mess property into their rooms without proper issuance of the same.
25. The boarders are not allowed to play out door games in the corridors or within the hostel buildings and are expected not to cause any damage to hostel property while playing in the lawns of the hostel premises. Students are also not allowed to play skating rollers and other such games inside the hostel to prevent breakages and accidents. Sliding along the hand rails/rest of stairs and fast running / climbing down should be totally avoided to prevent accidents.

26. The students are not allowed to convene any meeting in or around the hostel without the permission of Warden/Assistant Warden.
27. Boarders should not go to print media/press in any circumstances without prior permission of the authority.
28. The boarders must abide by the instructions conveyed by the institute authority from time to time for smooth functioning of hostels.
29. The hostel authorities may visit/inspect the room of the boarders any time to ensure proper cleanliness and other discipline related matters.
30. The boarders (boys) should report back in the hostel by 10.00 pm, whereas, the girl students are required to report back by 7.30 pm. Nobody is permitted to leave/enter the Campus after prescribed timings without permission. Defaulter(s) may be punished for non compliance to the timings.
31. Hostel may have its own timings for daily attendance. The boarders have to ensure their attendance which is to be taken by the Hostel Attendant/Mess Attendant/Security Guard.
32. In case of any emergency all the boarders should report the matter to any institute employee on duty i.e. Chowkidar, Security Guard, Warden immediately.
33. The boarders should avoid keeping costly items like jewellery, electronic gadgets etc. They should ensure proper security of their valuable items such as purse/wallet, Debit/Credit Card (if any), calculators, cell phones, computers, laptops, and books etc. In case of theft or loss of any items it will not normally be possible to carry out any investigation. The hostellers are advised to keep their rooms, boxes, suitcases, cupboards, etc., securely locked with good quality locks. Hostel authorities will not be responsible for any theft or damage of such items.
34. While moving out of the hostel premises the boarders must possess their identity cards with them. Prior permission from the Warden should be sought before leaving the station.
35. Boarders going out of the campus should ensure proper entry in the in/out register maintained by Security Guard.
36. Boarders have to keep their rooms properly locked while going out of their respective rooms.
37. The boarders are supposed not to visit areas which may endanger their life. They are advised to refrain from taking adventurous trips to river side such as Beas or other watery areas or any other location which may result in loss of human life.
38. The warden of the concerned hostel may rusticate the boarder for violating any of the conditions specified above.

## Ragging is a cognizable offence and is punishable under law

Ragging is totally prohibited in C-DAC, Mohali and anyone found guilty of ragging and/or abetting ragging, whether actively or passively, or being a part of a conspiracy to promote ragging, is liable to be punished in accordance with UGC Regulations on Curbing the Menace of Ragging in Higher Educational Institutions, 2009 as well as under the provision of any penal law for the time being in force.

## Rules & Regulations

### Leave and Attendance:

- Student who is absent from the institute continuously for two weeks without prior permission from the HOD, may not be permitted to continue the semester and may be asked to drop unless satisfactory explanation/proof for the same is provided by him/her through the HOD duly accepted by the Principal/Executive Director, C-DAC Mohali.
- If a student does not turn up after winter or summer vacations, his/her name will be sent to Principal / Executive Director for termination from the programme. If approved by the Principal / Executive Director, his/her name will be removed from the Institute rolls with effect from the date on which he/she actually appeared in the last semester examination.



S. no.	Course Name	Category	Total Seats
3.	Embedded Systems	General, Eligible for Urban Area Status in Punjab State, All India Category(15% Quota for other States), Candidate belongs to Non Sikh Minority	2
4.	Embedded Systems	General, Eligible for Urban Area Status in Punjab State, Punjab State 85% Quota for Candidate of Punjab, Candidate belongs to Non Sikh Minority	8
5.	Embedded Systems	Schedule Castes/ Scheduled Tribes, Eligible for Urban Area Status in Punjab State, All India Category (15% Quota for other States), Candidate belongs to Non Sikh Minority	1
6.	Embedded Systems	Schedule Castes/ Scheduled Tribes, Eligible for Urban Area Status in Punjab State, Punjab State 85% Quota for Candidate of Punjab, Candidate belongs to Non Sikh Minority	4
7.	Embedded Systems	Sports Persons, Eligible for Urban Area Status in Punjab State, Punjab State 85% Quota for Candidate of Punjab, Candidate belongs to Non Sikh Minority	1
1.	VLSI Design	Backward areas, Eligible for Urban Area Status in Punjab State, Punjab State 85% Quota for Candidate of Punjab, Candidate belongs to Non Sikh Minority	1
2.	VLSI Design	Border Areas, Eligible for Urban Area Status in Punjab State, Punjab State 85% Quota for Candidate of Punjab, Candidate belongs to Non Sikh Minority	1
3.	VLSI Design	Children/Widows of Defence Personnel/ Ex-Servicemen etc., Eligible for Urban Area Status in Punjab State, Punjab State 85% Quota for Candidate of Punjab, Candidate belongs to Non Sikh Minority	1
4.	VLSI Design	General, Eligible for Urban Area Status in Punjab State, All India Category(15% Quota for other States), Candidate belongs to Non Sikh Minority	2
5.	VLSI Design	General, Eligible for Urban Area Status in Punjab State, Punjab State 85% Quota for Candidate of Punjab, Candidate belongs to Non Sikh Minority	8
6.	VLSI Design	Handicapped Blind, Eligible for Urban Area Status in Punjab State, Punjab State 85% Quota for Candidates of Punjab, Candidate belongs to Non Sikh Minority	1
7.	VLSI Design	Schedule Castes/ Scheduled Tribes, Eligible for Urban Area Status in Punjab State, Punjab State 85% Quota for Candidate of Punjab, Candidate belongs to Non Sikh Minority	4
Grand Total			54

**NOTE:** If the Seats reserved under SC/ ST are not filled they will be consider for General in third counseling.

## Faculty & Staff

S.No.	Name	Designation	Qualification	Specialization	Phone (0172-66190)
1.	Dr. PK Khosla	Professor (Executive Director)	Ph.D	Embedded Systems, Networks, ERP, Telemetry, Instrumentation, Velocimetry, Virtual reality and IOT	-
2.	Dr. Balwinder Singh	Assistant Professor (Principal Engineer & Head)	Ph.D	Micro Electronics	78
3.	Dr. Sanjay P Sood	Associate Professor (Joint Director)	Ph.D	Health Care IT	90
4.	Mr. Jaspal Singh	Associate Professor (Joint Director)	M.Tech	Instrumentation	84
5.	Mr. Ajay Mudgill	Associate Professor (Joint Director)	M.E	Mechanical Engineering	12
6.	Ms.Preeti Bali	Associate Professor (Joint Director)	M.Tech	Computer Science & Engineering	12
7.	Mr. Navdeep Singh	Associate Professor (Joint Director)	M.Tech	Computer Science & Engineering and Networking	36
8.	Mr. Mandeep Singh	Assistant Professor (Principal Engineer)	Ph.D	Electronics and Communication Engineering	87
9.	Mr. Sunil Kumar Chiller	Assistant Professor (Principal Engineer)	M.Tech	Computer Science & IOT	64
10.	Dr. Gurmohan Singh	Assistant Professor (Principal Engineer)	M.Tech	Micro Electronics	88
11.	Mr. Sanjay Madan	Assistant Professor (Principal Engineer)	M.Tech	Computer Science & Cyber Security	51
12.	Ms. Manjit Kaur	Assistant Professor (Senior Engineer)	M.Tech	Micro Electronics	96



S.No.	Name	Designation	Qualification	Specialization	Phone (0172-66190)
13.	Ms. Vemu Sulochana	Assistant Professor (Project Engineer)	M.Tech	VLSI Design and Automation Techniques	68
14.	Mr. Hitesh Pahuja	Assistant Professor (Project Engineer)	Ph.D	Electronic Product Design and Technology, Multi-Gate Devices, FinFET based Memories	83
15.	Mr. Varun Chhabra	Assistant Professor (Project Engineer)	Ph.D	Nano-Electronics, Quantum Dots, MEMS, Solar Cells, Sensors	69

### Technical Staff

S.No.	Name	Designation	Qualification	Specialization	Phone (0172-66190)
1.	Mr. Suresh Jambagi	Senior Technical Assistant	B.Tech	ECE	21
2.	Mr. Harpreet Singh	Project Associate	B.Tech	ECE	72

### Supporting Staff

S.No.	Name	Designation	Qualification	Specialization	Phone (0172-66190)
1.	Mr. Shashi Goswami	Admin Executive & Placement Officer	PG Diploma in Personal Management & HR	HR & Admin	82

## Master of Technology



For more details

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