

PROSPECTUS – 2025

for Admission to

B.TECH. PROGRAMMES
(Industry Oriented and Practice Based)

THREE YEAR (LATERAL ENTRY)
FOR
WORKING PROFESSIONALS



Last Date of Submitting e-Applications: ~~26th August, 2025~~ 8th September, 2025

Academic Cell

**National Institute of Technical Teachers Training and
Research, Chandigarh**

(Deemed to be University under Distinct Category)

Sector – 26, Chandigarh – 160 019

Phone: **0172-2759593; 0172-2759785**

Website: <https://www.nitttrchd.ac.in>

August 2025

Apply for Admission using the B.Tech. Admission link given under the Admissions Tab on the institute website: <https://www.nitttrchd.ac.in>

National Institute of Technical Teachers Training and Research, Chandigarh

(Deemed to be University under Distinct Category)

BACHELOR OF TECHNOLOGY PROGRAMMES

1. Introduction

In realization of the need for training better quality technicians to meet the large-scale industrialization of the country, the Ministry of Education, Government of India, on the recommendations of All India Council for Technical Education (AICTE), established four Regional Technical Teachers' Training Institutes (now National Institute of Technical Teachers' Training & Research, (NITTTR) at Bhopal, Chandigarh, Chennai and Kolkata in 1967. The institute at Chandigarh, started in collaboration with Royal Netherlands Government (up-to 1974), was designed to meet the requirements of developing polytechnic education in the northern region covering the then states/UTs of Jammu and Kashmir, Himachal Pradesh, Punjab, Haryana, Rajasthan, Uttar Pradesh, Uttarakhand, Delhi and Chandigarh. The institute during this time acted as a resource system to technical education and provided guidance at national, state and institution levels in policy formulation, planning and management, quality controls etc. The institute is registered under the Societies Registration Act, 1860 and is managed by a Board of Governors.

To achieve its stated objectives, the institute undertakes the following spectrum of activities: Education and Training Programmes; Curriculum Development; Instructional Material Development; Research and Development; Extension Services; Consultancy in Technical Education and Technology areas. Keeping in tune with the various emerging needs of the country, the institute presently extends its services in the following areas as well: Media Development including information resources, their acquisition, storage and retrieval; Entrepreneurship Development; Industry Institute Interaction; Continuing Education for Working Engineers/Technicians; Rural Development; Transfer of Appropriate Technology to Rural Areas; Integrating Persons with Different Abilities with the Mainstream of Technical and Vocational Education.

Since 2003, engineering colleges in the northern region have been brought under the purview of this institute as per the directions of Ministry of Education (then the MHRD). Since then, this institute has been conducting many short-term courses in various subjects for engineering college teachers, in addition to catering to their other needs. Further, the institute is also organizing induction training programmes and content based short term courses through information and communication technologies (ICT).

The status of the institute was elevated to a National Institute and renamed as National Institute of Technical Teachers Training and Research on 18 November, 2003 with an objective to play a larger role for the improvement of Technical Education in the country.

Looking into the consistent performance and contribution in Technical Education System, the institute has now been granted the status of Deemed to be University under Distinct Category with effect from 22 February 2024.

2. Vision, Mission and Quality Policy

Vision

To be a global centre of excellence for capacity building through transformative education, training and research.

Mission

- a. Design and implement dynamic and flexible curricula to inculcate problem solving, design thinking, creativity, innovation and research through inter-disciplinary and multi-disciplinary programmes for inclusive and equitable education.
- b. Develop professionals with ethics, social values and aptitude for lifelong learning.
- c. Develop and implement innovative instructional and evaluation approaches for continuous quality improvement in higher education system.
- d. Develop and provide repository of instructional resources for capacity building.
- e. Collaborate with academia, research organizations, industry and other similar entities both at National and International level with sustainability perspective.

Quality Policy

NITTTR Chandigarh (Deemed to be University under Distinct Category) is committed to provide high quality and customized education, training, Research and Development (R&D) and extension services to technical and vocational education system, industry and community.

The institute shall develop leadership in technical teacher training and provide educational products and services to enable the technical education system to achieve excellence internationally.

3. Objectives of B.Tech. Programmes

To keep pace with rapid advancement in technology, the country requires high-quality manpower with technical and managerial capabilities in the 21st Century. There are primarily three distinct categories of technical manpower needed by the industry in the country i.e., engineers, technicians and skilled workers. Personnel of each of these categories play an equally important role in the day-to-day running as well as the development and growth of industry.

Thus, there is a great need to reorient and upgrade the knowledge and skills of existing technical professionals through Industry oriented and Practice based Programmes in Engineering and Technology at B.Tech. Degree Level. These programmes will help develop the professional capabilities desired of technical manpower that would meet the changing requirements of industry and country.

4. Mode of Conducting B.Tech. Programmes

For the benefit of working professionals, the classes for the B.Tech. programs will be held on Saturdays, Sundays and Holidays. As per UGC guidelines, a maximum of 40% courses will be offered in the form of MOOCs, limited to a maximum of 2 MOOCs per semester.

Bachelor of Technology Programmes – Sanctioned Intake and Reservation

Sanctioned Intake

S. No.	Programme	Intake
1.	B.Tech. (Civil Engineering)	30
2.	B.Tech. (Electronics and Communication Engineering)	30
3.	B.Tech. (Mechanical Engineering)	30

Reservation

15% seats are reserved for SC candidates, 7.5% seats for ST candidates, 5% for PWDs, 27% seats for OBC candidates and 10% for EWS under general category as per instructions by

Govt. of India applicable to all higher education Institutions. The institute reserves the right of admission entirely and the decision of NITTTR Chandigarh (Deemed to be University under Distinct Category) authorities on admission will be final in all the cases.

5. Eligibility Criteria: Qualifications and Experience for Admission

Admission to the B.Tech. Programmes will be as per the AICTE Circular No. AICTE/P&AP/APH/2023-24/01 dated 24-08-2023 and the [AICTE Approval Process Handbook 2024-27](#).

Educational Qualifications

Applicants must possess any one of the following:

- a. Minimum 3-year Diploma or 2-year (Lateral Entry) Diploma in any branch of Engineering/Technology with at least 45% marks (40% for reserved category).
- b. B.Sc. degree from a recognized University as defined by UGC, with at least 45% marks (40% for reserved category) and passed 10+2 with Mathematics as a subject. *
- c. B.Voc. or 3-year D.Voc. in the same or allied sector.*

*Students would need to pass bridge courses such as Mathematics, Physics, Engineering Drawing, etc., to be decided by the duly constituted committee of the institute.

Note: A certified copy of the conversion formula to the percentage (i.e. CGPA to %) is essential in case final certificate is awarded with CGPA.

Work Experience

Minimum 1 year of full-time/regular work experience in a Registered Industry / Organization (Central/State) / Private/Public Limited Company, or MSMEs.

Work Experience Proof

The applicant is required to provide the experience certificate or the last three months' salary slips along with the copy of the appointment letter in their applications, as proof of their employment status. However, the admitted candidates will submit a proper experience certificate by 15th October, 2025. The admitted candidate will also submit an

undertaking stating that they will inform their employers in writing about joining the B.Tech. programme in NITTTR Chandigarh, as an alternative to No-Objection Certificate from their employer.

6. Preparation of Merit List

The admissions will be offered on the basis of a merit list prepared for all eligible applicants, considering both marks obtained in the qualifying examination and the total experience.

Merit Calculation

- a) Academic Qualification: Aggregate % of marks in qualifying examination x 0.5 (Multiplying Factor)
- b) Work Experience: Marks for each number of completed years of total full-time/regular work experience on the last day of receiving the application gained after obtaining the minimum entry qualification. The marks shall be awarded as per the following criteria:
 - Organization/ PSUs/ Public Limited Companies under the Central/State Governments: 5 Marks per year
 - Registered Industry / Organization / Private Limited Company/ MSMEs: 2.5 Mark per year

Note: The total score will be calculated based on qualifications and experience as mentioned above. In case of a tie in the score of merit, seniority in age will be the deciding factor for their inter-se merit.

7. Special Features of B.Tech. Programmes

- a. The nature of programmes offered are flexible, allowing self-pacing and taking up courses of study in a sequence and at the time convenient to the students within the maximum time frame as stipulated by the institute for the completion of the programme.
- b. The focus is on the mastery of minimum essential competencies, enhancement of knowledge and development of capabilities such as learning to learn, problem solving and management skills etc.
- c. The curriculum contents of the programmes are aligned with the National Higher Education Qualification Framework and NEP-2020 guidelines.
- d. The curriculum contents of all these programmes will encompass the future of work, sustainable development, women-led development and harnessing of technology.
- e. The focus is to update the knowledge base and skills development of technical

professionals in specialized field(s) through these programmes. In addition to classroom teaching and laboratory work, the programmes make use of a combination of instructional techniques such as group discussion, home assignments, individual and group projects, independent study, remedial instruction, industry-based instruction, seminars, expert lecture sessions, field visit to industry/working sites to eventually build and enhance the overall technological competence of the technical professionals.

- f. Assessment of students' performance is based on both continuous evaluation and end-semester evaluation with the use of a variety of assessment techniques matching the learning objectives of different courses of study.
- g. Almost all courses contain practical/laboratory tasks. These tasks form an essential component of the curriculum implementation. Project work is based on the problems of Industries and other societal problems.

8. Duration of the Programmes

The normal duration of B.Tech. Programmes will be 3 academic years (6 semesters). The maximum period of completion of the programme shall be 6 academic years.

9. Migration

All the candidates seeking admission to B.Tech. Programmes from other universities/boards shall be granted provisional admission subject to the condition that his/her qualifying Diploma/Degree Examination has been recognized as equivalent as per UGC/AICTE guidelines. If the admission is NOT confirmed by the institute, the candidate's name shall be removed from the institute rolls, and he/she shall not be allowed to continue his/her studies at the institute. He/she shall have no claim for any dues (except refundable security).

In addition, it will be the responsibility of the candidate to get the equivalence of his/her qualifying diploma/degree for the purpose of admission to B.Tech. Programmes. In case, the qualifying degree of a candidate is NOT accepted or found not equivalent for admission to B.Tech. Programme, the institute will not be held responsible for any delay or loss arising thereof.

Every student is required to submit his/her Diploma/Degree and Detailed Marks Certificates in original immediately at the time of counselling, if selected for admission to B.Tech. Programme at the institute. **In addition, they are also required to submit their migration certificate within a period of two months from the date of commencement of classes. Those who fail to submit the documents (i.e., diploma, degree, DMCs and migration)**

shall be liable to pay a fine as per rules & regulations of the institute and his/her admission is liable to be cancelled.

10. Conditions for Appearing in End-Semester Examinations

a) Attendance

A candidate shall be eligible to appear in the institute end-semester examination only if he/she has attended for each subject, not less than 75% of classes. A deficiency in the required number of lectures and practicals may be condoned up to 10% only by the Director of the institute in special cases. A candidate who does not fulfill the attendance requirements in any subject will have to repeat the course of instruction in that subject.

b) Periodic Tests

Every student has to appear in two periodic tests (60% of total sessional marks) and assignments/class projects/presentations/group discussions (40% of total sessional marks) as approved by the institute and must qualify the same. There will be NO 'special reappear examination' for any candidate for periodic test.

11. Examination and Result

- a) B.Tech. Programmes are organized on the Credit System of study. Performance/progress of a candidate is measured by the number of credits that he/she has earned. Based on the course credits and grades obtained by the candidate, grade point average is calculated.
- b) Minimum Earned Credits: Completion of 120 earned credits.
- c) Weightage in each subject: Equal weightage will be given to internal assessment (sessional) and end semester examination (major examination).
- d) Examination forms by the candidates are required to be submitted with the institute for end-semester and re-appear examinations.

12. Evaluation and Improvement for B.Tech. Programmes

Subject wise results in the form of grades awarded to each student at the end of each semester shall be prepared by the respective departments and sent to the Academic Cell for the declaration of result and issuance of grade cards. Before sending the grades to the Academic Cell, the subject teacher will show the answer sheets to the students at least two days before the moderation committee meeting and display the final grades awarded to the students on the notice board within 02 working days after moderation committee meeting. The process

of evaluation is completed within 15 working days from the date of conduct of examination. If a candidate is not satisfied with the award of marks in a particular paper(s), he/she may approach the concerned B.Tech. Coordinator for rechecking, if any, as per the rules and regulations of the institute.

The performance of a student shall be evaluated in terms of two indices, viz. Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA). SGPA is the grade point average for the semester, and CGPA is the cumulative grade point average for all the completed semesters at any point in time. The grade points shall be awarded as per the institute guidelines.

13. Courses of Study and Evaluation Scheme

All students will be required to pass the subjects specified by the institute as per its study and evaluation scheme during the course. In addition, all students will be required to pass the project work/ industrial project, if any, as per the study and evaluation scheme of the respective B.Tech. Programme

The courses of study and evaluation scheme in respect of each of the B.Tech. Programmes may be accessed on the institute website.

14. Admission Procedure

Important Dates (Revised):

Last Date for Receipt of Applications	:	26.08.2025 08.09.2025
Uploading of Merit List on Institute Website	:	29.08.2025 11.09.2025
Offline Counselling	:	31.08.2025 13.09.2025 at 10:00 A.M.
Fee to be deposited by	:	03.09.2025 13.09.2025
Commencement of Classes	:	06.09.2025 14.09.2025

No separate call letters will be issued for attending the counselling. Admission application must be submitted by providing all the required information, supporting documentary proofs and proof of fee of Rs. 1,000/- deposited by RTGS/NEFT in favour of Director, NITTTR Chandigarh in INDUSIND BANK LIMITED, Bank Account No.151811200301, IFSC: INDB0000014. Applications incomplete in any sense will not be entertained. The institute reserves the Right of Admission entirely and the decision of the institute authorities on admission will be FINAL.

Candidates shall attend the counselling in person for admission to B.Tech. Programmes at their own expenses. All admissions to these programmes made during the counselling shall be provisional and subject to approval by the Director of the institute.

Candidates should upload scanned copies of the following documents along with their applications failing which their applications will not be considered for admission:

- a) Certificate of Matriculation/Senior Secondary Leaving Certificate as a proof of date of birth.
- b) Certificates of Diploma/Degree or its equivalent along with proof of equivalence.
- c) Certificates of claim under SC/ST/OBC/Persons with different abilities (PWD)/EWS category seats, if applicable.
- d) Semester/year-wise all Detailed Marks Sheets (along with diploma/degree certificate) or its equivalent along with proof of equivalence.
- e) Experience certificates on the organization's letterhead bearing letter No. & date and clearly stating the date of joining and leaving or the Appointment letter along with the latest three months' salary slips. Weightage will be given only to the proofs received along with application by due date.
- f) A certified copy of the conversion formula to the percentage (i.e. CGPA to %) is essential in case final certificate is awarded with CGPA.
- g) Migration certificate can be submitted within two calendar months of the commencement of classes.

Important Note

1. If a candidate wishes to apply for more than one programme or category, separate applications along with certificates will have to be uploaded for each programme. Photocopies of application form may be used for applying for more than one programme but proof of a separate online payment of 1,000/- in favour of the Director, NITTTR Chandigarh should be attached with each application form.
2. Candidates admitted for various B.Tech. Programmes will have to submit their Medical Fitness Certificate duly signed by a Medical Officer of any Govt. Dispensary/hospital within 15 days from the date of their admission.
3. Candidates who have applied for seeking admission to B.Tech. Programmes under OBC category are required to furnish OBC Category (NOT MORE THAN SIX MONTHS OLD) from Executive Magistrate at the time of counselling. OBC Category should be declared by the Central Government and not the State Government. For an updated list of state-wise OBCs eligible for availing the benefit of reservation, please see the list

maintained by NCBC at its website: <http://ncbc.nic.in/backward-classes/index.html> and that he/she does not belong to creamy layer (as per website <http://ncbc.nic.in/html/creamyayer.html>) as well as the clarifications issued by the Department of Personnel & Training on the definition of creamy layer & income criteria at

<http://persmin.gov.in/writeData/WMS/ScanDocument/36033-5-2004-01April 2005.html>

4. As per directions of the Hon'ble Supreme Court of India, **Ragging in Educational Institutions in any form should be prevented.** In order to ensure that the ragging does not take place in the institute in any form, the institute has constituted Anti Ragging Squads and Anti Ragging Committee, which would conduct raids and detect the cases (if any) and suggest preventive measures. If any incident of ragging comes to the notice of the authority, the accused student shall be given liberty to explain, and if his/her explanation is not found satisfactory, the authority will expel him/her from the institution. **It is mandatory, as per the Hon'ble Supreme Court directions and UGC/AICTE Regulations, that all students fill in an Anti-Ragging Affidavit each year.**

To make the process easy, the ministry of Education (MoE) has developed an **ONLINE Facility**. Affidavits can be filled ONLINE at: www.amanmovement.org (OR) at www.antiragging.in. All students are required to fill out their Affidavits on any of the two websites. The procedure is very simple and explained on the institute website.

15. Fee, Funds and Expenses for B.Tech. Programmes

Programme Fee

Fee Details	For B.Tech. Programmes (in Rs.)
Registration Fee (One Time)	2,500/-
Academic Fee	60,000/- per semester
Examination Fee	4,000/- per semester
Fee for other Facilities and Services	3,000/- per semester
Sports Fee	500/- per semester
Alumni Fee (One time)	1000/-
Security (Refundable) – One Time	7,000/-
Extension Fee (if applicable)	5,000/- per semester (after 3 years)

Total Fee to be Paid at the Time of Admission: Rs. 78,000/- (Rupees Seventy Eight Thousand only)

Refund Rules

Except for the refundable security deposit of Rs. 7,000/-, no other amount will be

refunded if a student leaves the institution after joining the programme. However, if a candidate does not join the institute or surrenders his/her seat without attending the classes, the fee will be refunded as per UGC/AICTE guidelines.

Hostel, Mess, Boarding & Lodging

Hostel, Mess, Boarding & Lodging charges shall be extra as per the institute rules.

Notes:

- a. All institute fees, funds, expenses, etc., whether recurring/ non-recurring, are subject to revision by the institute from time to time.
- b. Any student who fails to pay institute fees by the prescribed date may be fined, suspended or ultimately removed from the institute rolls. The decision of the Director of the institute will be final in this regard.

16. Library

NITTTR Chandigarh (Deemed to be University under Distinct Category) Library provides an extensive collection of information resources, services and facilities to our students and staff for their learning, research and personal development. Library system of the institute is more focused on creating and providing a comfortable and user-friendly environment that enables learning and advancement of knowledge, and also promotes discovery beyond classroom learning. The institute's state-of-the-art library boasts a collection of more than 50000 books, Indian standards, e-books, bound journals, newspapers, CDs & DVDs, etc. The library collection consists of textbooks, reference books, technical journals, dissertations, e-Journals, encyclopedias and more. The library is located in the Administrative block of the institute occupying an area of 900 sq meters. 100 students can sit and study at a time comfortably in the reading halls. The library equipped with 11 e-resources through the INFLIBNET's Shodh-Sindhu consortium namely ASCE, ASME, IEL, Springers journals, JSTOR, J-Gate etc. The library is fully computerized with Web-OPAC for instant online access to students and staff to use all types of information for their learning research and personal growth.

17. Medical Facilities

The institute has its own dispensary where the medical facilities exist for the students, staff and their families. A part-time doctor and an attendant have been engaged to look after the patients.

18. Hostel

The institute has three hostel blocks. In all, the institute has 108 rooms in the Chandrashekhar Hall (girls), 80 rooms in Tagore Hall (boys) and 80 rooms in Amartya Hall (boys), accommodating nearly 350 students overall.

19. NITTTR Chandigarh (Deemed to be University under Distinct Category) Alumni Association

It is mandatory for all B.Tech. students to become a member of NITTTR Chandigarh (Deemed to be University under Distinct Category) Alumni Association.

NOTE: Academic Calendar will be uploaded on the Institute Website.

The institute reserves the right to make any amendments in the prospectus as and when it is deemed necessary.

20. How to Apply for Admission

- Read the prospectus carefully before filling in each item of the Application Form.
- Pay Rs. 1000/- application fee via NEFT/RTGS using the following bank details

1	Name of the Bank	INDUSIND BANK
2	Name of the Account Holder	Director, NITTTR, Chandigarh
3	Account Type	Saving
4	Account Number	151811200301
5	Bank Branch IFSC Code	INDB00000014

- Apply for Admission using the B.Tech. Admission link given under the **Admissions** Tab on the institute website: <https://www.nitttrchd.ac.in>