

PROSPECTUS – 2026

For Admission to

M.TECH. PROGRAMMES
(REGULAR MODE – EVENING CLASSES)
(Industry Oriented and Practice Based)



Last Date of Submitting e-Applications: 30.06.2026

To apply online, please visit:
<https://nitrchdadm.samarth.edu.in/>

Academic Cell

National Institute of Technical Teachers Training and Research
Deemed to be University (Under Distinct Category)

Sector – 26, Chandigarh -160 019
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www.nitrchd.ac.in

April 2026

National Institute of Technical Teachers Training and Research, Chandigarh

(Deemed to be University Under Distinct Category)

PROGRAMMES (REGULAR MODE)

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 lead resource institute for promoting excellence in technical education system.

Mission

- To offer continuing education and training programs for the faculty and staff of the technical education system.
- To develop need-based curricula for technical education programs.
- To develop instructional material to enhance effectiveness of teaching-learning process.
- To undertake research and development in Engineering & Technology and Technical Education.
- To provide extension and consultancy services to technical education system.

Quality Policy

- NITTTR, Chandigarh 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 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., engineering, 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. The institutions which are producing technical manpower, therefore, need teachers who have the required knowledge and skills to train good technicians and engineers.

Thus, there is a great need to reorient and upgrade the knowledge and skills of existing teachers of technical institutions through Industry oriented and Practice based Programmes in Engineering and Technology as Master's Degree Level. These programmes will help develop the professional capabilities desired by teachers for training technicians/engineers that would meet the changing requirements of industry.

4. Mode of Conducting Programmes

For the benefit of working professionals, the classes are held in the evenings from 5.30 pm to 9.30 pm. As per UGC/AICTE guidelines, a maximum of 40% courses in the program will be offered in the form of MOOCs, limited to a maximum of 2 MOOCs per semester.

5. Master of Technology (Regular) Programmes – Sanctioned Intake and Reservation

Sanctioned Intake

S. No.	Programme	Intake
1.	M.Tech. in Civil Engineering (Construction Technology and Management)	To be notified on 01.06.2026
2.	M.Tech. in Computer Science and Engineering	
3.	M.Tech. in Electrical Engineering (Instrumentation & Control)	
4.	M.Tech. in Electronics and Communication Engineering (VLSI Design)	
	M.Tech. in Mechanical Engineering (Manufacturing Technology)	

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 authorities on admission will be final in all the cases.

6. Categories of Admissions

NITTTR Chandigarh offers M.Tech. Programmes for the following categories of students:

- a) Sponsored Teachers/ Technical Staff of Technical Institutions/ Officials of State DTEs/ BTEs
- b) Working professionals from Industry/ Other Organizations
- c) Candidates under QIP Scheme of AICTE
- d) Engineering Graduates aspiring to be teachers
 - Having valid GATE score
 - Non-GATE candidates shall also be admitted on the basis of merit

The preference for admission will be given as per the above sequence.

7. Eligibility Criteria: Qualifications and Experience for Admission

- a) **M.Tech. in Civil Engineering (Construction Technology and Management):** A Bachelor's Degree in Civil Engineering from a recognized University or equivalent with at least 60% marks* in aggregate and post qualification experience of at least 1 year (2 years in case of AMIE**) in teaching/industry/research organization. However, fresh graduates can also apply. But they will be considered after the applications received as per above qualifications are exhausted.
- b) **M.Tech. in Computer Science and Engineering:** A Bachelor's Degree in Computer Science and Engineering / Information Technology or equivalent from a recognized University or equivalent with at least 60% marks* in aggregate and post qualification experience of at least 1 year (2 years in case of AMIE**) in teaching/industry/research organization. However, fresh graduates can also apply. But they will be considered after the applications received as per above qualifications are exhausted.
- c) **M.Tech. in Electrical Engineering (Instrumentation & Control):** A Bachelor's Degree in Electrical Engineering/ Electrical and Electronics Engineering/ Electronics Engineering/ Instrumentation and Control Engineering from a recognized University or equivalent with at least 60% marks* in aggregate and post qualification experience of at least 1 year (2 years in case of AMIE**) in teaching/industry/research organization.

However, fresh graduates can also apply. But they will be considered after the applications received as per above qualifications are exhausted.

d) M.Tech. in Electronics and Communication Engineering (VLSI Design): A Bachelor's Degree in Electronics and Communication Engineering/ Electronics Engineering/ Electrical and Electronics Engineering / Microelectronics/ VLSI Design/ Microelectronics and VLSI Design from a recognized University or equivalent with at least 60% marks* in aggregate and post qualification experience of at least 1 year (2 years in case of AMIE**) in teaching/industry/research organization. However, fresh graduates can also apply. But they will be considered after the applications received as per above qualifications are exhausted.

e) M.Tech. in Mechanical Engineering (Manufacturing Technology): A Bachelor's Degree in Mechanical Engineering/ Manufacturing Engineering (or Technology)/ Production Engineering/ Industrial Engineering/ Automobile Engineering from a recognized University or equivalent with at least 60% marks* in aggregate and post qualification experience of at least 1 year (2 years in case of AMIE**) in teaching/industry/research organization. However, fresh graduates can also apply. But they will be considered after the applications received as per above qualifications are exhausted.

* relaxation in marks/grades as per GoI norms for reserved categories

** as per AICTE Public notice vide Advt. No. P&AP/10(04)/2013

Note: A certified copy of the conversion formula, in case of marks in grade points (i.e., CGPA to %), is essential. No Experience is required for admission of Fresh Engineering Graduates to M.Tech. (Regular) programmes.

Admission Under QIP Scheme of AICTE

Admission to M.Tech. Programmes at NITTTR Chandigarh under QIP scheme is as per the AICTE Norms & Regulations.

Candidates admitted under QIP Scheme are eligible to receive a scholarship and a contingency grant as per AICTE norms. The details regarding the admission under this scheme is notified every year separately by AICTE, New Delhi through an advertisement as well as on their website in due course of time.

8. Special Features of 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 of teachers/students 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.
- 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. Completion of course work is followed by a thesis.
- g. Almost all courses contain practical/laboratory tasks. These tasks form an essential component of the curriculum implementation. Thesis work is based on the problems of the technical education system, 'On-Job Problems' of Industries and other societal problems.

9. Duration of the Programmes

The normal duration of M.Tech. (Regular) Programmes including thesis will be 2 academic years (4 semesters). The maximum period of completion of the programme including thesis shall be 3 academic years (6 semesters).

10. Migration

All the candidates seeking admission to Programmes from other universities shall be

granted provisional admission subject to the condition that his/her B.Tech./B.E./B.Sc. Engineering Examination has been recognized equivalent as per UGC/AICTE. 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 degree for the purpose of admission to programmes. In case, the qualifying degree of a candidate is NOT accepted or found not equivalent for admission to Master's Degree Programme, the institute will not be held responsible for any delay or loss arising thereof.

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

11. Conditions for Appearing in End-Semester/Spell Examinations

a) Attendance

A candidate shall be eligible to appear in the institute examination only if he/she has attended for each subject, not less than 75% of lectures. A deficiency in the required number of lectures and practicals may be condoned up to 10% only by the Director of the institute in the 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.

12. Examination and Result

a) 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) A student will have to earn a minimum number of credits as per the programme study scheme to complete the programme.
 - c) Weightage in each subject: Equal weightage will be given to internal assessment (sessional) and end semester/spell examination (major examination).
 - d) A candidate with CGPA of 8.5 and above will be awarded degree with Honours.
 - e) Examination forms by the candidates are required to be submitted with the institute for end- semester/spell and re-appear examinations.

Preliminary Thesis Work/Thesis Work

At least three printed copies of Thesis, properly bound, shall be submitted to the Head of the concerned Department through the Guide.

13. Evaluation and Improvement for Programmes

Subject wise results in the form of grades awarded to each student at the end of each spell/semester shall be prepared by the respective departments and sent to the academic cell examination branch for the declaration of result and issuance of grade cards. Before sending the grades to the academic cell, the subject teacher will display the grades awarded to the students on the notice board within 10 working days after showing the answer sheets to the students. 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 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. Spell Grade point Average (SGPA) and Cumulative Grade Point Average (CGPA). SGPA is the grade point average for the spell and CGPA is the cumulative grade point average for all the completed spells at any point in time. The grades, their respective description, the method for the Award of Grades, along with grade points are listed in the Table given below:

% of Marks	Grade	Grade Point	Description
≥ 90	A+	10	Outstanding
≥ 80 & < 90	A	9	Excellent
≥ 70 & < 80	B+	8	Very Good
≥ 60 & < 70	B	7	Good
≥ 50 & < 60	C+	6	Average

≥ 45 & < 50	C	5	Below average
≥ 40 & < 45	D	4	Marginal
< 40	F	0	Very Poor
-	R	0	Shortage of Attendance
-	I	0	Incomplete

The Earned Credits are defined as the sum of course credits for courses in which A+ to D grade has been obtained.

Points earned in a semester =

Σ (Course Credits X Grade Points) for courses in which A+ to D grade has been obtained

The SGPA is calculated on the basis of grades obtained in all courses.

$$\text{SGPA} = \frac{\text{Points secured in the Spell}}{\text{Credits registered in the Spell}}$$

The CGPA is calculated on the basis of grades obtained in all courses across all semesters.

$$\text{CGPA} = \frac{\text{Spell (Course credits x Grade Points) or all courses with pass grade}}{\text{All Spells (Course Credits earned)}}$$

Conversion formula from CGPA to Percentage = 10 x CGPA

14. Courses of Study and Evaluation Scheme

All students will be required to qualify in the required subjects as specified by the institute as per its study and evaluation scheme during the course. In addition, all students will be required to qualify preliminary thesis-based project work/Industrial project and thesis work/final industry project. The thesis grades shall be awarded as per criteria approved by the institute. The courses of study and evaluation scheme in respect of each of Programmes are available on the webpage of the respective department on the Institute website.

15. Admission Procedure

Important Dates:

Last Date for Receipt of Applications	:	30.06.2026
Uploading of Merit List on Institute Website	:	07.07.2026
Offline Counseling	:	14.07.2026
Last Date to Deposit Fee	:	21.07.2026
Commencement of Classes	:	27.07.2026

NOTE 1: Candidates who are offered admission must deposit the prescribed admission fee within the stipulated time, failing which the offered admission shall stand cancelled.

NOTE 2: Any subsequent information/corrigendum regarding seats left vacant shall be uploaded only on the NITTTR Chandigarh website.

The admission process will be conducted as per the above-mentioned dates and no separate call letters will be issued for attending the counseling. The applicant must deposit a non-refundable fee of Rs. 1,000/- while filling the e-Application. Incomplete applications (i.e., without application fee and documents) will not be entertained. The institute reserves the Right of Admission entirely and the decision of institute authorities on admission will be FINAL. Candidates shall attend the counseling interviews for admission to programmes at their own expenses. All admissions to these programmes made during the counseling shall be provisional and subject to approval by the Director of the Institute.

Candidates should scan and upload the following original documents along with their e-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 Bachelor's Degree or its equivalent.
- c) Certificates of claim under SC/ST/OBC/Persons with different abilities (PWD)/EWS category seats, if applicable.
- d) Certificate of sponsorship (No Objection) from the competent authority (if applicable).
- e) Semester/year-wise all Detailed Marks sheets (along with degree certificate) of Bachelor's Degree or its equivalent.
- f) Maximum marks and marks obtained in each semester/year should be filled in the application form.
- g) A certified copy of the conversion formula in case of marks in grade points is essential.
- h) All experience certificates (on organization's letterhead bearing letter No. & date and clearly stating date of joining and leaving; Appointment letter/salary slips as proof will not be considered). Experience claims received along with the application by the due

date only will be considered.

- i) Migration certificates can be submitted within two calendar months of commencement of classes.

Important Note:

1. **Working candidates may send an advance copy of their application along with all DMCs and experience certificates by due date to avoid delay.** However, final consideration of application will be subject to submitting NOC/Sponsorship by the competent authority at the time of counseling at this institute.
2. If a candidate wishes to apply for more than one programme, **separate e-applications along with the fee and certificates** will have to be submitted for each programme.
3. Some of the Universities award divisions of Bachelor's degrees based only on the marks obtained by the students in 7th and 8th semesters/final year, but all the candidates seeking admission are essentially required to give maximum marks and marks obtained in all the 8th semesters/4 years because the merit of admission will be prepared on the basis of aggregate marks obtained in all the 8 semesters /4 years. In case the B.E./B.Tech. result is declared in grade points, an authenticated copy of the formula for conversion to percentage of marks should be attached, otherwise the application of the candidate is liable to be rejected.
4. Candidates admitted for various 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.
5. Candidates who have applied for seeking admission to Programmes under OBC category are required to furnish FRESH CERTIFICATE (NOT MORE THAN SIX MONTHS OLD) from the Competent Authority at the time of counseling. The candidate must belong to the OBC category as recognized by the Central Government (not the State Government) and must submit a valid OBC certificate issued within the last six months.
6. As per directions of the Supreme Court of India, Ragging in Educational Institutions in any form is banned. 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 & detect the cases (if any) & suggest preventive measures. If any incident of ragging comes to the notice of the authority, the concerned student shall be given liberty to explain and if his/her explanation is not found satisfactory, the authority would expel him/her from the institution. It is mandatory as per the Hon. Supreme Court & UGC/AICTE Regulations that all students fill in an Anti- Ragging Affidavit, each year. To make the process easy, 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 their Affidavits on any of the two web sites. The procedure is very simple and explained on the institute website. the final semester/year result at the time of counselling.

Preparation of Merit List

The institute prepares a merit list of all sponsored eligible candidates based on the aggregate percentage of marks obtained in all the semesters/years of qualifying examination and the total experience. The admission is granted to candidates strictly according to the merit list, prepared as follows:

a) Qualification: Aggregate % of marks in B.E. or its equivalent X 0.4 (Multiplying Factor)

The candidates must write in the application form at the appropriate S. No. the maximum marks, marks obtained in each of eight semesters/four years and the exact % of aggregate marks.

b) Experience: One score for each number of completed years of total experience on the last day of receiving application gained after obtaining minimum entry qualification subject to a maximum of ten. Experience against leave vacancy, visiting/guest faculty will not be counted.

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.

2. Engineering Graduates

The admission is granted to candidates according to the merit list, prepared as follows:

a) Valid GATE Score

b) In case the GATE score is the same, the criteria for admission will be higher

percentage in B.E. or equivalent.

- c) In case the candidate has no valid GATE score, the criteria for admission will be higher percentage in B.E. or equivalent.

16. Fee and Expenses

Programme Fee

Fee Detail	For M.Tech. Regular Programmes (in Rs)
Registration Fee (One Time)	2500/-
Academic Fee	25000/- per semester
Extension Fees	5000/- per year (after 4th semester)
Security (Refundable)-One Time	7000/-
Fees for other Facilities and Services	3000/- per semester
Examination Fees	4000/- per semester
Pre-Thesis Exam Fees	2000/-
Final Thesis Exam Fees	2000/-
Sports Fees	500/- per semester
Alumni Fees (One time)	1000/-

Total Fee to be Paid at the Time of Admission: Rs. 43,000/- (without late fee)

Notes:

- All institute fees, funds, expenses etc. whether recurring/ non- recurring are subject to revision by the institute from time to time.
- 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.

Hostels Charges (To be deposited at the time of room allotment)

The applicable hostel charges for various categories of stay are detailed in the Institute's official notification. Kindly refer to the document available at the following link for details:

<https://www.nittrchd.ac.in/hostel/index.php>

Note:

- All students are required to conform to all Hostel/Mess Rules which may be enforced by Faculty Incharge Hostel/Mess from time to time as approved by the Director of the institute.
- Hostel charges given above are subject to revision from time to time and students shall

be required to deposit charges as applicable

Mess/Canteen Charges

Mess/Canteen charges will be applicable separately and are in addition to the hostel charges.

No-Dues Certificate

The result of the final semester shall be declared only after submission of the No-Dues Certificate by the student.

Refund Rules

Except for the refundable 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.

17. Academic Prizes

- a) **Academic Award:** This award will be given in respect of each branch of Programme who gets maximum percentage of marks based on the performance in all theory subjects including thesis (all four semesters) subject to a minimum of 75% marks provided that there are a minimum of 5 students appearing in the examination in the concerned programme. The condition of minimum 5 students appearing in the examination will not apply if a student gets 90% or more marks. A merit certificate and Rs. 5,000/- cash are presented to all such students during Annual Day Celebrations of the institute.
- b) **Dr. S.P. Luthra Memorial Gold Medal:** Dr. S.P. Luthra Memorial Gold Medal and a certificate of merit is awarded during Annual Day Celebrations of the institute every year to a student whose performance based on the complete course is 'the best performance' among all students of all Programmes (separately for Regular and Modular programs) provided that there are a minimum of 5 students appearing in the examination of the concerned programme.

18. Library

NITTTR, Chandigarh Library provides an extensive collection of information resources, services and facilities to our students and staff for their learning, research and personal development. In view of the high vision of the institute, a well-equipped library full of resources and services has been established to facilitate the quality and value-added services

to its students and staff. The institute's state-of-the-art library boasts a collection of more than 50,342 books, 10,043 Indian standards, 578 e-books, 23,173 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 subscribes to many e-resources through the ONOS initiative of the Government of India. 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.

19. 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.

20. Hostel

The institute has three hostel blocks. In all, the institute has 108 single rooms in the Chandrashekhar Hall (girls), 60 rooms in Tagore Hall (boys), 33 rooms in Mother Teresa Hall (boys) and 60 rooms in Amartya Hall (boys), accommodating nearly 260 students overall.

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

It is mandatory for all students to become a member of NITTTR (Deemed to be University), Chandigarh Alumni Association.

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

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