

# **Indian Institute of Technology Mandi**

## **ORDINANCES AND REGULATIONS**

*(Revised on 1<sup>st</sup> January, 2023)*

**For the Degree  
of  
Master of Technology (by Research)**  
*[earlier known as M.S. (by Research)]*



**Academic Office**

**2023**

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## PREAMBLE

Indian Institute of Technology (IIT) Mandi offers Postgraduate Programmes leading to the award of a Master of Technology (by Research) or M.Tech. (by Research) Degree through its Schools and Centers. The award of these Degrees is in recognition of high academic achievements, independent research, and the application of knowledge to the solution of technical and scientific problems in Engineering, Technology, Sciences, Humanities, Social Science and Management. Creative and productive inquiry is the basic concept underlying the research work.

The Academic Programmes leading to M.Tech. (by Research) is broad-based and involve a minimum course credit requirement and a research Thesis. The institute is broadly divided into Schools and Centers covering broad academic areas to encourage cross fertilization of ideas due to interaction between the faculty and students having diverse background. The Institute also promotes research in interdisciplinary areas across the Schools and Centers through a system of co-supervision. The Institute undertakes sponsored research and development projects from industries as well as other organizations in the public and private sectors in order to synergize and bring research benefits to society as a whole.

The degrees of Master of Technology (by Research) shall be abbreviated respectively as M.Tech. (by Research) is granted for research work in areas recognized by the Schools/Centers of the Institute, subject to the Ordinance and Regulations contained hereinafter.

The research work shall be an original work characterized either by the discovery of facts, or by a fresh approach towards the interpretation and application of facts, or the development of innovative products and technologies. It shall demonstrate the candidate's ability for critical thinking and sound judgment and as well as make an original contribution to existing knowledge.

The Degree of Master of Technology (by Research) (M.Tech.) of the Indian Institute of Technology Mandi shall be conferred on a candidate who fulfills all the requirements specified in these Ordinances and Regulations, approved by Senate dated 22<sup>nd</sup> July, 2010 and modifications approved in subsequent senate meetings.

## **ORDINANCES FOR THE DEGREE OF MASTER OF TECHNOLOGY (BY RESEARCH)**

### **M.TECH. (BY RESEARCH) ORDINANCES**

- O.1 A Candidate who has qualified for the award of the Bachelor's Degree in Engineering/Technology of this Institute or a recognized Institute or University in the discipline as prescribed in the regulations of the Senate is eligible to apply for Master of Technology (by Research) Programme at IIT Mandi in Engineering/Science including Humanities, Social Science and Management.
- O.2 A candidate who has qualified for the award of the M.Sc./M.A. Degree in Basic Sciences including Humanities, Social Sciences and management of IIT Mandi or a recognized Institute or University of Master's Degree in certain areas approved by the Senate is also eligible to apply for the Master of Technology (by Research) Programme at IIT Mandi in Engineering/Sciences including Humanities, Social Science and Management.
- O.3 A candidate pursuing M.Tech. or M.S. Degree in a recognized Institute of University in Engineering/Technology/Sciences including Humanities, Social Science and Management is eligible to apply for lateral entry in Master of Technology (by Research) (M.Tech. (by Research)) Programme at IIT Mandi in Engineering/Sciences including Humanities, Social Science and Management in the beginning of a semester with transfer of credit to the extent permitted by the School/Center.
- O.4 The award of the M.Tech. (by Research) Degree shall be in accordance with the regulations of the Senate of this institute.

### **M.TECH. (BY RESEARCH) REGULATIONS**

#### **R.1 CATEGORIES OF ADMISSION**

Candidates will be admitted to the M.Tech. (by Research) Programme in Engineering/Sciences including Humanities, Social Science and Management of the Institute by fresh admission or lateral entry from a similar Program in another recognized Institute, in one of the following categories:

- a. Regular full-time Scholars with or without MoE Assistantship/Institute Fellowship/Project Support\*.
- b. Regular full-time Scholars admitted laterally in the beginning of any Semester with transfer of Credit
- c. Part Time Research Scholars who are staff members of the Institute or supported by Project\*.
- d. Research Scholars under the External Registration Programme (ERP) sponsored by and employed in Industry/Organization.

- e. Part time scholars employed in R&D environments in scientific institutions (including IIT Mandi) or industries and
- f. Faculty members of all Engineering Colleges/Universities recognized by the appropriate government agencies. [{As per 35<sup>th</sup> senate Item No. 35.11}](#)

*(\*)Those working for research as part of requirement of Master of Technology(by Research), in the area of the Project may become Full Time Research Scholar while those working in unrelated area may become part time research Scholar.*

## R.2 ELIGIBILITY

### R.2.1 Minimum Educational Qualifications

The Minimum Education Qualifications for admission to the M.Tech(By Research) Programme in Engineering/Sciences Including Humanities, Social Sciences and Management are as follows:

#### A.

##### 2.1.1 Regular full-time Time Scholars

- (a) Candidates with a Bachelor's Degree in Engineering/Technology or Master's Degree in appropriate Sciences including Humanities, Social Sciences and Management. For fellowship, they should fulfill the requirement of the sponsoring agency/authority.
- (b) Candidate with B.Tech/BE degree from Centrally Funded Technical Institutes (CFTIs), with a minimum CGPA of 7.5 on a 10.0 point scale (or equivalent). **(National Level examination are waived off for HTRA Scholarship)** [{as per 34<sup>th</sup> Senate Item No.34.3}](#)
- (c) Candidate having Associate Membership of the following professional bodies will also be eligible for admission to the M.Tech. (by Research) Programme of their parent discipline provided they have a valid GATE Score and have passed both part A and Part B of the Membership Examinations with a good academic record. The Institution of Engineering (India) (Civil, Mechanical, Electrical and Electronics, Electronics and Communications), The Aeronautical Society of India, The Indian Institute of Metals, The Indian Institute of Chemical Engineers, The Institute of Electronics and Telecommunication Engineering and other professional bodies approved by the Senate from time to time.

##### 2.1.2 International Students:

Candidates who are not citizens of India (by birth or naturalized) and /or are OCI/PIO card holders will be treated as foreign national and will consume the seats of foreign nationals. For fellowship, they should fulfil the requirement of the sponsoring agency/authority. They must meet minimum education requirements applicable for regular students. International students are expected to have a working knowledge of English. [{as per 37<sup>th</sup> Senate Item No. 37.6\(c\)}](#)

##### 2.1.3 Lateral Entry in M.Tech. (by Research) with Credit Transfer:

- (a) Qualifications prescribed in 2.1.1

- (b) Admitted to M. Tech. or M.S. Degree in recognized Institute or University in Engineering/appropriate Sciences including Humanities, Social Science and Management and pursued studies for at least a semester and complete equivalent of some of the courses prescribed for M.Tech. (by Research) Degree in IIT Mandi.

#### 2.1.4 M.Tech. (by Research)+PhD. (Dual Degree) Program:

Candidates will be admitted to the M.Tech. (R)+Ph.D. (Dual Degree) Programme in Engineering in full time regular mode.

##### Eligibility and Minimum Educational Qualifications:

(a) Candidates with B.Tech./BE degree from Centrally Funded Technical Institutes(CFTIS), with GATE qualification. In case CGPA $\geq$ 8 on a 10.0 point Scale or equivalent), (**GATE Score requirement is waived off for HTRA scholarship.**)

(b) Candidates with B.Tech./BE/M.Sc. with valid GATE Score.

(Full details of the programme are available at

<https://cloud.iitmandi.ac.in/f/cbc9eb261d8b472d9b25/>

**{As per 37<sup>th</sup> Senate Item No. 37.16}**

#### B. Part Time Research Scholars

- Institute Staff Members/Research Scholars under External Registration/Research Scholars working on Part Time Basis,
- Individuals employed in R&D environments in Scientific Institutions (including IIT Mandi) or industries and
- Faculty members of all Engineering Colleges/Universities recognized by appropriate government agencies.

The required qualification remains the same as for the regular candidates. Further the candidate should have atleast two years of work experience.

##### (b) Additional Requirements:

APC can recommend requirements (if any) of co-guide from the sponsoring organization. A co-guide from the sponsoring organization is mandatory for ERP candidates and is not mandatory for Part-time candidates.

There is desirable 16 weeks campus residential semester requirement to complete course work. However, APC can recommend completing courses (from IIT Mandi) *via* online mode. In such cases, not less than 50% assessment of individual courses should be evaluated in offline mode. The residential requirement may be made flexible as courses are recommended partially in online mode. Hence, the scholars may be allowed to complete the residential semester requirement in **multiple visits** adding upto atleast 16 weeks on campus (i.e. equivalent to one semester). However, the minimum period of residency for each visit **should not be less than 2 weeks**.

In case of Part-time scholars, employed at radial distance in the range of **50-60 KM** from IIT Mandi campus, the scholar will be permitted by the Dean (Academics) to complete course work without residential requirement as these scholars can be treated as day-scholars.

Candidate admitted to the programme on Part-time basis must continue to remain in the same organization and place of work until the research work is completed. If the candidate is transferred or joins a new organization before submission of the thesis, they should get approval from the new organization for continuation of the programme of IIT Mandi. [as per 35<sup>th</sup> Senate Item No. 35.11](#)

### [Project to M.Tech. \(by Research\)](#)

#### **Registration of Project Staff in the M.Tech. (by Research) Programme:**

This category includes project staff working on research projects in the Institute who have worked on such projects for a period of 6 months or more. They may be considered for admission to the M.Tech. (by Research) Programme (guided by the same PI only) with strong support of the candidature by the PI. The selection procedure will be same as for the regular M.Tech. (by Research) Programme. The minimum educational qualifications are the same as R.2.1.1(regular full-time scholar). Also, if any IIT Mandi course has been taken previously by the candidate within two years of the date of registration in M.Tech. (by Research) Programme, then the candidate may be allowed to utilize the credits for this course towards the M.Tech. (by Research) Programme with the recommendations of the APC. {As per 6<sup>th</sup> Senate Item No. 6.8}

#### **R.2.2 (A) Conversion of Registration from M.Tech. (by Research) to Ph.D. Programme**

Meritorious candidates who have registered for the M.Tech. (by Research) Programme are eligible to convert their registration to the Ph.D. Programme in the same department under the supervision of the same Guide(s) if any satisfy the following Criteria:

- (a)The Candidate should have been registered for a minimum of 2 semesters in the M.Tech. (by Research) Programme.
- (b)Minimum CPGA of 8.00 in the prescribed courses in the M.Tech. (by Research) Programme.

On the basis of recommendation of Academic Progress Committee defined in R.9, the School Research Committee (SRC) will consider the application of the M.Tech. (by Research) Scholar for conversion of Ph.D. under the supervision of the same Guide(s) and make its recommendation to the Chairman, Senate to approve the conversion of registration for the scholar as per rules and report the same to the Senate. School Research Committee (SRC) may also suitably recommend modified residential requirement to complete the remaining course work. [as per 15<sup>th</sup> Senate item No. 15.5](#)

#### **(B) Upgrade from M.Tech. (by Research) to Dual Degree (M.Tech.+Ph.D.)**

Interested M.Tech. (by Research) scholars who have earned atleast 15 credits with minimum 8.0 CGPA within first two semesters of M.Tech. (by Research) programme can place a request to their Academic Progress Committee (APC), for upgradation to M.Tech.+Ph.D. program with the same advisor. After thorough evaluation, the APC may recommend the deserving candidate for upgradation to the Dean (Academics).

1. The scholar would need to complete a total of 24 credits of course work and other mandatory courses (e.g. Research Methodology). The DC may consider the courses

credited before upgradation and may prescribe additional courses based on the research area of the scholar.

2. The M.Tech. (by Research) thesis of the upgraded scholar will be waived off, but he/she needs to submit a Comprehensive Literature Review (hereafter referred to as CLR) report and make a presentation to the DC, within one year of upgradation. The Ph.D. fellowship for the upgraded M.Tech.+Ph.D. scholar would start from the date of upgradation as it is noted that these students have qualified one of the national level examinations at the time of admission in M.Tech. (by Research). All other Ph.D. norms will be applicable from the date of upgradation.
3. The scholar would be awarded both the degrees (M.Tech. by Research towards partial fulfillment of the requirements of dual M.Tech.+Ph.D. and Ph.D.) after fulfillment of the requirements of the Ph.D. degree. Provisional M.Tech. (by Research) degree will be issued only after completion of the Ph.D.
4. Conversion of Ph.D. degree registration to original M.Tech. (by Research) degree is **ONLY** possible due to unsatisfactory performance or other provisions under Ph.D. Regulations and on the recommendation of the DC, they may be allowed to leave with an M.Tech. (by Research) degree only after fulfilling the requirements of the baseline M.Tech. (by Research) degree within one year of reversion to the M.Tech. programme. No scholarship will be paid during such duration. [\*\*{As per 33<sup>rd</sup> senate item No. 33.8}\*\*](#)

#### **(C) CONVERSION OF M.TECH. (BY RESEARCH) REGISTRATOIN TO PART TIME PROGRAMME TO TAKE UP JOB:**

1. If Scholar have completed their a) Minimum residential requirement b) Course work
2. The candidate must produce the offer letter from the institution/organization which they propose to join.
3. The candidate has to produce a “No Objection Certificate” from the Head of the institution/organization, which they propose to join.
4. APC recommendation on proposal of M.Tech. (by Research) completion plan.
5. To avail this option, candidate is expected to complete majority of dissertation work (endorsed by the APC) during their stay in the institute. [\*\*{As per 37<sup>th</sup> Senate Item No. 37.6 \(A\)}\*\*](#)

#### **R.3 SELECTION PROCEDURE**

Eligible candidates possessing the minimum educational qualifications, and satisfying additional/Stricter criteria set by the Selection Committee from time to time, will be called for an Interview and/or written test by the Selection Committees of the respective Schools/Centers.

The School/Center will conduct a test for candidates who have obtained a UG Degree 10 years prior as of the last date prescribed for receipt of completed applications.

The applications of Foreign/Nationals may be considered without a Personal Interview/ Test.



Based on the Academic Record and the Performance of the candidates in the Interview and/or written test, the Selection Committee for the School/Center will recommend the names of candidates found suitable for admission to the M.Tech. (by Research) in Engineering/Sciences including Humanities, Social Science and Management to the Chairman, Senate.

The admission for **lateral entry** in M.Tech. (by Research) Programme by candidates pursuing M. Tech. or M.S. Degree in another IIT may be offered directly on the recommendation of the School/Center at the beginning of a Semester and the extent of credit transfer, if any, may also be determined and recommended by the School/Center. However, for candidates pursuing M. Tech. or M.S. Degree in other recognized Institute or University in Engineering/Technology/Sciences including Humanities, Social Science and Management may be admitted at the beginning of a semester after an expert committee of the School/Center evaluates the candidate regarding his/her academic suitability to pursue M.Tech. (by Research) in a similar academic area at IIT Mandi and the same committee may also determine the extent of credit transfer, if any, and recommend it.

#### **R.4 ADMISSION**

Candidates whose selection is approved by the Chairman, Senate will be admitted to M.Tech. (by Research) in Engineering/Science including Humanities, Social Science and Management programmes after payment of prescribed fees before the deadline specified by the institute.

Every selected candidate will be required to carry out online registration during stipulated dates every semester till the submission of the thesis irrespective of their category and status.

A 'Cooling Off' period of minimum one year for fresh admission is required for a scholar whose registration was cancelled/terminated from the programme due to any reason. [{As per 34<sup>th</sup> senate item No. 34.3}](#)

#### **R.5 CHOICE OF GUIDE**

- (a) Allotment of Research Scholars to Guides will be made by the Chairperson of the respective School/Center taking into consideration the research areas of the school/Center and the preference of the research scholars and guides.
- (b) There shall be not more than two guides form the Institute for a Research Scholar.

#### **R.6 ELIGIBILITY FOR BEING GUIDES**

- (a) The following may be a guide for a M.Tech. (by Research) Scholar:
  - Any Faculty member of the Institute.
  - Faculty members of other recognized Institute/Universities.
  - Employees with Doctoral Degree, in service of recognized Organization.
- (b) **Continuance of retired Faculty Members/Emeritus Faculty as Guide**
  - (i) When a faculty member, who has guided a candidate for at least 2 years, retires, they will continue to be a guide. However, a co-guide who is in service will be

appointed in addition. The guide who has retired will be invited for the Academic Progress Committee meetings, synopsis meeting and the Viva Voce Examination.

- (ii) A faculty member who is to retire within 2 years may be permitted to become a guide to a new scholar with another faculty member who is not likely to retire within 3 years as co-guide at the time of registration itself. On retirement, the faculty member will continue to be a guide and will be invited to the Academic Progress Committee meeting, synopsis meeting and the Viva Voce Examination.
- (iii) CSIR and other Emeritus Fellows/Scientists/Emeritus Professors, who hold office at IIT Mandi for a period of 1 year or more, can become co-guides for scholars, along with a guide from the faculty, with at least 3 years of service still left at the time of registration of the Scholar.
- (iv) In case the guide leaves the institute/retires from the Institute, the Academic Progress Committee needs to propose a co-guide/faculty in-charge(caretaker) depending on the fraction of thesis completed.
- (v) In the event that the guide takes a long leave (>3 months or 1 year), APC needs to propose co-guides or faculty in charge (caretakers) based on the nature of the research and the candidate's progress.
- (vi) The role of faculty in-charge (caretaker) is to look into administrative matters pertaining to the candidate. If the leaves are more than a year, there should be an allotment of co-guide, on the recommendation of APC and School/Center Chair.
- (vii) Dean (Academics) will appoint (in above mentioned cases) the suitable guide/co-guide/faculty-in-charge (caretaker) in consultation with the School/Center Chair. [As per 35<sup>th</sup> Senate Item No. 35.11](#)
- (viii) The induction of new guides after 2 years of registration of a Research Scholar will be considered by the Dean (Academics).

## **R.7 CHANGE/ADDITION OF GUIDE**

The Academic Progress Committee of a Research Scholar may recommend change of Guide or appointment of a co-guide for valid reasons.

## **R.8 ACADEMIC PROGRESS COMMITTEE (APC)**

The School/Center Chairperson will intimate to the Dean Academic, for each scholar the area of research, the name(s) of the guide(s) and co-guide (if any). The School/Center Chairperson will constitute the Academic Progress Committee (APC) for a research scholar within **4 weeks** of the date of being assigned a guide.

### **The following is the composition of the Academic Progress Committee (APC):**

- (i) APC Chairperson.  
(If the Chairperson happens to be the Guide of a scholar another faculty member will be nominated by Dean (Academics). **The Chairperson**)
- (ii) Research Guide and Co-Guide (if any) **Member(s)**

- (iii) A minimum of one faculty member of IIT Mandi from related areas or discipline of the student research topic. **Member**
- (iv) External Member **(Optional)**

In the case of decisions taken by the APC, the decision will be taken based on majority of votes. However, the APC shall record view of all the members in case there is no unanimity.

[{As per 34<sup>th</sup> senate meeting Item No. 34.3}](#)

## R.9 REGISTRATION

- (a) The Academic Progress Committee will meet normally within a month of being constituted, where the research scholar will make a presentation (**Zeroth meeting**). The Academic Progress Committee will consider the proposed research topic and prescribe/approve the courses of study in this meeting.
- (b) The registration may be backdated for Research Scholars employed in projects by up to 6 months from the date of admission to the programme on the recommendation of the Academic Progress Committee with justification. Based on the recommendation of the Academic Progress Committee, the Senate may, additionally, permit backdating by a further period of 6 months.

## R.10 COURSE WORK AND CREDIT TRANSFER

- (a) The Research Scholar will select the relevant courses in consultation with the thesis supervisor to complete a minimum of 15 credits. The prescribed courses shall be **postgraduate level courses** of the Institute. In addition, scholar must take a course on '**Research Methodology**'. *(As per 35<sup>th</sup> Senate Item No. 35.10)*
- (b) ~~The Academic Progress Committee may allow transfer of credit for courses, already undergone by a research scholar seeking lateral entry in the M.Tech(by Research) from another similar program in this Institute or other Institutions, provided the courses are the same or equivalent to those prescribed and the performance level of the scholar in them meets the minimum required.~~ **withdrawn as per 37<sup>th</sup> Senate Item No. 37.6(b)** *Senate also recommended that students are not allowed to credit courses which are already credited/audited in his/her previous degree from IIT Mandi.* [{As per 37<sup>th</sup> Senate item No. 37.6}](#)
- (c) The Academic Progress Committee may prescribe additional courses for research scholars wherever found necessary.
- (d) M.Tech. (by Research) Scholars admitted to the programme shall obtain a minimum CGPA of 7.5 in the courses taken by them, subject to a minimum of **7 points** in the prescribed courses. If more than the minimum required credits have been completed, only the courses with the best performance will be considered for computing the CGPA.
- (e) The Academic Progress Committee may allow the research scholars to choose not more than 3 optional courses, in addition to the courses already prescribed. It shall be open to the Academic Progress Committee to permit or not to permit a research scholar to take optional courses in view of research work. The optional courses will

not count towards the requirements of M.Tech. (by Research) Programme. However, the grades obtained in these courses will be mentioned in the transcript.

- (f) M.Tech. (by Research) Scholars who convert their registration to the Ph.D. Programme should successfully complete 24 credits including those allowed for transfer of credit.

The Doctoral Committee (constituted following R.9 of Ph.D. regulation) may give credits to courses already successfully completed by the Research Scholars during their M.Tech. (by Research) Programme towards the course requirement of the Ph.D. Programme. The Doctoral Committee may prescribe additional courses for such scholars if found necessary.

### R.11 PROGRESS REPORT

- (a) A research scholar shall, after registration, submit annually a written report to the Academic Progress Committee.
- (b) The progress made by a research scholar shall be reviewed by the Academic Progress Committee once a year. Continuance of registration and award/continuance of scholarship/Research Assistantship will be based on the recommendation of the Academic Progress Committee. Inadequacy of effort/progress can be a reason for cancellation of registration.

### R.12 ENROLMENT

All research scholars who are in residence and whose registration for research degree is still in force are required to enroll in person each semester on the stipulated date till their submission of thesis, on payment of the requisite fees. Those, not in residence, may pre-enroll in absentia during the stipulated period after payment of the requisite fees. The enrolment will be completed only after the successful completion of progress meeting during the semester. The enrolment will be cancelled if the progress is not satisfactory.

### R.13 MINIMUM RESIDENTIAL REQUIREMENT

- (a) The minimum period of study and research required at the Institute from the date of registration for M.Tech. (by Research) Programme to the date of submission of M.Tech. (by Research) thesis shall be 18 months for all regular full time M.Tech. (by Research) scholars.
- (b) **For Part time & ERP:** There is desirable 16 weeks campus residential semester requirement to complete course work. However, DC can recommend to complete courses (from IIT Mandi) *via* online mode. In such cases, not less than 50% assessment of individual courses should be evaluated in offline mode. The residential requirement may be made flexible as courses are recommended partially in online mode. Hence, the scholars may be allowed to complete the residential semester requirement in **multiple visits** adding upto at least 16 weeks on campus (*i.e.* equivalent to one semester). However, the minimum period of residency for each visit **should not be less than 2 weeks**. In case of Part-time scholars employed at radial distance in the range of **50-60 KM** from IIT Mandi campus, the scholar will be permitted by the Dean (Academics) to complete course work without

residential requirement as these scholars can be treated as day-scholars. [{As per 35<sup>th</sup> Senate Item No. 35.11}](#)

#### **R.14 MAXIMUM DURATION OF THE PROGRAMME**

Full time registered M.Tech. (by Research) Scholars shall submit the thesis within three years from the date of registration. Part Time/Externally registered M.Tech. (by Research) Scholars shall submit the thesis within four years from the date of registration. The Academic Progress Committee may extend the period of submission of the thesis by up to one year.

#### **R.15 WITHDRAWAL FROM THE PROGRAMME**

A Scholar may be permitted by the Dean (Academics) to withdraw from the programme for a semester or longer for reasons of ill health or other valid grounds duly recommended by the Academic Progress Committee. Normally, a scholar will be permitted to discontinue from the programme only for a maximum period of two consecutive semesters.

#### **R.16 (A) Cancellation of Registration**

- I. The Progress of a research scholar is found to be 'Unsatisfactory' in two consecutive attempts by the Academic Progress committee.
- II. The research scholar does not pay the prescribed fee and/or does not enroll in any given semester.
- III. The research scholar has not submitted their thesis before the end of the maximum permissible period.
- IV. The scholar absents themselves without prior intimation/sanction of leave.
- V. The CGPA is below 6.00 at any time (after first semester) **(CGPA will be calculated based on all courses credited and grades awarded)**
- VI. The scholar is found involved in an act of academic misconduct and /or any discipline and/or cancellation of registration/termination is recommended by a Competent Authority.

A 'Cooling Off' period of minimum one year for fresh admission is required for a scholar whose registration was cancelled/terminated from the programme due to any reason. [{As per 34<sup>th</sup> senate meeting Item No. 34.3}](#)

#### **(B) Minimum performance in M.Tech. (by Research) for continuation of Assistantship/Fellowship/Scholarship**

- I. The Minimum requirement for continuation of fellowship is 6.50. **(CGPA will be calculated based on all the courses credited and grades awarded)**
- II. Having a CGPA less than 6.50, the student will be considered under probation.
- III. Student on probation will not be allocated TA duties.
- IV. The full fellowship may be resumed only once the minimum CGPA of 6.50 is attained.

- V. Arrears will not be paid for the discontinued period.
- VI. Maximum 30% of monthly fellowship (towards living expenses) can be granted to the scholar during the probation period. *(As per 34<sup>th</sup> Senate meeting Item No. 34.4)*

### R.17 SYNOPSIS

- (a) On satisfactory completion of the prescribed courses and research, research scholars under the M.Tech. (by Research) Programme in Engineering/Sciences including Humanities, Social Science and Management, shall submit to the Chairperson of the School/Center through their guide(s), requisite copies of the synopsis of the research work for consideration by the Academic Progress Committee.
- (b) Prior to the submission of the synopsis, research scholars are required to give at least **one open seminar talk** on the topic of their research work.
- (c) Research scholars are **required** to publish the result of their research before submission of their thesis in a refereed reputed conference proceeding or journal.
- (d) The research scholars shall present the synopsis before the Academic Progress Committee. The Academic Progress Committee will, if it approves the work reported in the synopsis, permit the research scholar to submit the thesis and recommend a panel of at least six thesis examiners from outside the Institute who are not current collaborators of the scholar or the guide(s).

### R.18 SUBMISSION OF THESIS

The research scholar shall, within one month of the acceptance of the synopsis, submit a soft copy and the requisite number of hard copies of the thesis along with an abstract of the thesis as stipulated. The Dean (Academics) may grant additional time beyond one month on request from the scholar for valid reasons.

### R.19 PANEL OF EXAMINERS

The thesis of the research scholars shall be referred to two examiners chosen by the **Chairman, Senate or their nominee** from among the panel of examiners recommended by the Academic Progress Committee at its synopsis meeting. [{As per 37<sup>th</sup> Senate Item No. 37.6\(d\)}](#)

### R.20 THESIS REPORT

- (a) The examiner is expected to send the report on the thesis within 6 weeks from the date of receipt of the thesis.
- (b) If one of the two thesis examiners declares the thesis are not recommended, the thesis evaluation report and modified thesis with corrections shall be put up to the Academic Progress Committee. The APC will further clarify the revisions and refer it to a third examiner from the list of examiners for evaluation.
- (c) If an examiner suggests resubmission of the thesis, after revision, the research scholar will be allowed to resubmit the thesis within the time stipulated by the Academic Progress Committee failing which the revised thesis will not be accepted and their registration will be cancelled.

- (d) If two examiners, including after submission to the third examiner, reports the thesis as not recommended, the registration of the scholar shall be cancelled.
- (e) If reports from two examiners, declare the thesis as 'recommended', the Academic Progress Committee will consider the reports and recommend for conducting a *viva voce*.
- (f) In all other cases, not covered by the above Regulations the matter will be referred to the Academic Progress committee for consideration and further recommendations.
- (g) The Scholar should appear in the *Viva Voce* examination within 3 months of receipt of the satisfactory report of the 2<sup>nd</sup> examiner, else the scholar will have to pay the applicable fees, in line with that of any other registered scholar of the Institute. [{As per 34th senate meeting Item No. 34.3}](#)

#### **R.21 VIVA VOCE EXAMINATION**

- (a) If the examiners of a thesis, accept the thesis in their reports without raising any serious issues the Academic Progress Committee may waive the *viva-voce* examination. For a thesis where *viva-voce* examination is required, the *viva-voce* board shall comprise the members of the Academic Progress Committee.
- (b) The *viva-voce* board will examine the scholar on his/her thesis work and evaluate his/her performance as satisfactory or otherwise.
- (c) If the report of the *viva-voce* board declares the performance of the research scholar as not satisfactory, they may be asked to reappear for *viva-voce* at a later date (not earlier than a month and not later than six months from the date of the first *viva-voce*).
- (d) If the *viva-voce* board on the second occasion also evaluates the performance of the research scholar as not satisfactory, the matter will be referred to the Senate for a decision on cancellation of registration or continuation for further work.
- (e) The *viva-voce* board may also recommend revision to be made in the final version of the thesis after taking into consideration, suggestions of the examiners who evaluated the thesis and the discussion at the *viva-voce* examination. The Chairman of the *viva voce* board shall forward the thesis to the Academic section certifying that the revisions recommended by the *viva-voce* board, if any, have seen incorporated in the copy of the thesis along with the report of the *viva-voce* board. All the research scholars shall submit digitally authenticated soft copy of the final form of the thesis to the Academic Progress Committee after the *viva-voce* board recommends the award of the degree.

#### **R.22 Award of M.tech. (by Research)**

On the recommendation of the Academic Progress Committee, Senate and with the approval of the Board of Governors of the Institute the research scholar will be awarded the M.Tech. (by Research) degree.

#### **R.23 ETHICS AND INTEGRITY**

Every scholar is required to maintain ethics and integrity in their conduct and carry out their academic work without blemishes of plagiarism or unfair means. They are required to

observe disciplined and decorous behavior both inside and outside the campus and should not indulge in any activity which will tend to bring down the prestige of the Institute.

Any unethical behavior or lack of integrity or indiscipline on the part of a scholar reported to the Dean (Academics) will be referred to an Ethics and Discipline Committee nominated by the Senate from time to time. The Committee will investigate the charges and will recommend suitable punishment if it finds the charges substantiated. The recommendation of the Committee will be considered by the Dean (Academics) to take appropriate action. The Dean will report the action taken at the next meeting of the Senate.

**Appeal:** The scholar may appeal to the Chairman of the Senate, whose decision will be final.

#### **R.24 POWER TO MODIFY**

Notwithstanding all that has been stated above, the Senate has the right to modify any of the above regulations from time to time.

**NOTE: If any regulations/norms are not considered above will be considered similar to UG O&R**



## Other Important Notifications

Sr. No.	Particulars	Official website Link
1	Leave rules	<a href="https://insite.iitmandi.ac.in/circulars/show.php?ID=IITMandi/Acad/Notf./2022/4706-13">https://insite.iitmandi.ac.in/circulars/show.php?ID=IITMandi/Acad/Notf./2022/4706-13</a> <a href="https://insite.iitmandi.ac.in/circulars/show.php?ID=IITMandi/Acad/Senate/2022/4530-35">https://insite.iitmandi.ac.in/circulars/show.php?ID=IITMandi/Acad/Senate/2022/4530-35</a>
2	Field Trip Guidelines	<a href="https://insite.iitmandi.ac.in/circulars/show.php?ID=IITMandi/Acad/2018/DS-1275-80">https://insite.iitmandi.ac.in/circulars/show.php?ID=IITMandi/Acad/2018/DS-1275-80</a>
3	Fellowship for M.Tech (By Research)/Ph.D.	<a href="https://insite.iitmandi.ac.in/circulars/show.php?ID=F.No.IITMandi/Acad/Senate/2022/4536-41">https://insite.iitmandi.ac.in/circulars/show.php?ID=F.No.IITMandi/Acad/Senate/2022/4536-41</a>
4	Grading System	<a href="https://insite.iitmandi.ac.in/circulars/show.php?ID=F.No.IITMandi/Acad/Senate/2022/4646-51">https://insite.iitmandi.ac.in/circulars/show.php?ID=F.No.IITMandi/Acad/Senate/2022/4646-51</a>
5	CGPA to Percentage conversion Certificate	<a href="https://iitmandi.ac.in/academics/files/CGPA_to_Percentage_Certificate_26022020.PDF">https://iitmandi.ac.in/academics/files/CGPA_to_Percentage_Certificate_26022020.PDF</a>

**Disclaimer: This should not be considered as a legal document. For legal purposes, kindly refer to official notifications framed by the Senate, IIT Mandi.**