

Ph.D. / M.S. ORDINANCES AND REGULATIONS



INDIAN INSTITUTE OF TECHNOLOGY MADRAS
CHENNAI - 600 036

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ORDINANCES AND REGULATIONS

ORDINANCES

- O.1 A candidate who has qualified for the award of Master's degree of this Institute or a recognised Institute or University in the discipline as prescribed in the regulations of the Senate is eligible to apply for the Ph.D. programme of this Institute.
- O.2 A candidate who has qualified for the award of Bachelor's Degree in Engineering / Technology with exceptionally good academic background in the discipline as prescribed in the regulations of the Senate is also eligible to apply for Ph.D programme in Engineering/Technology of this Institute.
- O.3 The award of the Ph.D degree shall be in accordance with the regulations of the Senate of this Institute.

REGULATIONS

R.1 Categories of Admission

Candidates will be admitted to the Ph.D programme of the Institute under one of the following categories:

	Particulars	Reso. No.
(a)	Regular full-time scholars with or without Institute fellowship or with project support. <i>Admission to Ph.D Programmes under Regular as well as the Project category, the Departments must adopt a common cut off at the time of calling for interview and common merit list of selection for all categories</i> Eligibility requirement of project staff applying for Ph.D. may be treated equivalent to that of External registration candidates under N-HTRA.	9/2015 (BR.5)
	Students selected from HTRA list can move to N-HTRA and revert back to HTRA later. Students selected from N-HTRA list cannot move to HTRA category	9/2013 (BR.7)
(b)	Research scholars sponsored under the Quality Improvement Programme (QIP).	

- (c) Research scholars who are staff members of the institute.
- (d) Research scholars under the external registration programme sponsored by and employed in industry/orgainsation having R & D facilities and recognised by DST or IIT Madras, national laboratories, reputed universities/colleges or employed in research/analysis jobs in public sector/private sector/ government in the case of management area.

(A research scholar under the external registration programme will normally carry out part or all of his / her research work in the industry/ organization/national laboratories/universities employing the scholar under the supervision of a co-guide also employed in the same organization and a guide at IIT Madras.

The candidate must have at least two years experience in the case of registration in Engineering/Sciences/Social Sciences and in Management).

- (e) Research scholars working on a part-time basis from a reputed University / Institution / Organisation.

(A research scholar working on a part time basis shall normally carry out the research work at IIT Madras under the supervision of a guide at IIT Madras. The feasibility of doing this with sufficient intensity will be an important consideration in admitting the scholar in this category.

The candidate must have at least two years experience in the case of registration in Engineering/Sciences/Social Sciences and in Management).

30/2009

- (f) *Scholars will be permitted to do course work without the residential requirement with the permission of their institution subject to fulfilling the course requirement.*

9/2013
(BR.5)

i) Part time scholar residing within the commutable distance from IIT Madras may use this option.

ii) The scholar to complete the course and comprehensive requirement within the time limit.

iii) Leave not required for attending the courses

- (g) The minimum residential requirement for the Ph.D scholar under external registration and Ph.D. research scholars working on part- basis not employed in the Institute is one semester

(h) Inter-disciplinary MS/PhD

- a. The faculty member interested in guiding Inter-disciplinary Research has to prepare the area of research and eligibility criteria and send to Academic Section by January end for the February advertisement and August end for October advertisement. *(PI refer MS PhD admission brochure for details of area of research)*
- b. The DC of the scholar will decide the course requirement.
- c. DC will decide about the method of Comprehensive Examination.

the DC members for Interdisciplinary scholars to be nominated as follows:

- (a) one DC member each from respective departments of guides.
- (b) 3rd DC member from the department other than the departments.
- (c) for interdisciplinary MS one member from primary department and other members from any other department.

55/2014

R.2 Eligibility**R.2.1 Minimum Educational Qualifications****Qualification for Regular Full-Time Research**

The minimum educational qualifications for admission to the Ph.D programme of the Institute are as follows:

2.1.1 Ph.D. in Engineering

- (a) Candidates with a Master's degree in Engineering/Technology with a good academic record or a Master's degree by Research in Engineering/ Technology disciplines, with a good academic record.
- (b) Candidates with Master's degree in Sciences with a good academic record and of exceptional merit are eligible for the relevant Engineering discipline and with a valid GATE score or UGC/CSIR-NET/NBHM or equivalent qualification in the relevant area tenable for the year of registration. In the case of candidates with more than 5 years relevant experience after the Master's degree, the requirement of a test score may be waived by the Selection Committee.

- (c) Candidates who have qualified for the award of Bachelor's degree in Engineering/Technology with exceptionally good academic record in an eligible discipline will be considered for direct admission to Ph.D. Programme as a regular full time scholar subject to the following conditions: 55/2012
(BR.5)
- a B.Tech. degree holder of Centrally Funded Technical Institute with a minimum CGPA of 8.0 on a 10.0 point scale or with a valid GATE score
 - a Bachelor's degree holder in Engineering/Technology with 8 CGPA or equivalent from any other University and having a valid GATE score.
 - a Bachelor's degree holder in Engineering/Technology from a reputed R & D organization and having a proven research record.
- Direct Ph.D. scholars have also to exercise option for dual degree before completing the course work. 53/2014
(AR.4)
(ii)
- that no Direct Ph.D. admission can be allowed for Non-CFTI candidates if he/she does not qualify in GATE. Admission of students selected in November for Direct Ph.D. without GATE will be subject to their qualifying in GATE prior to joining. 55/2014
(BR.5)
- (d) M.Tech/Ph.D Dual Degree programme in ED department : The selection of candidates through MS admission process. 70/2013
(AC.17)
- Final selection for admission will be as per the criteria fixed by the department selection committee.
- (e) one year PG programme from Accredited Universalities as one of the eligibility criteria for admission to Ph.D. at IIT Madras. Following are the conditions: 73/2014
(AR.2)
1. The Selection committee may consider the applicant as direct Ph.D., if the candidate found suitable and meet eligibility requirements.
 2. Courses completed already in one year PG programme may be considered by the Doctoral Committee towards course requirement for Direct Ph.D.
 3. The scholar will be eligible for HTRA, if they qualify GATE (equivalent to Direct Ph.D. scholars)

2.1.2 Ph.D. In Sciences

Master's degree in Sciences with a good academic record and having a valid GATE score or UGC/CSIR-NET/NBHM or equivalent qualification tenable for the current year in the relevant area. Master's degree in Engineering/Technology are eligible with a good academic record. B.Tech degree holder of an IIT are eligible with a minimum of CGPA of 8.0 on a 10.0 point scale or with a valid GATE Score.

B.Tech / B.E degree of any recognized University in India with a minimum CGPA of 8.0 on a 10.0 point scale or equivalent with valid GATE score.

Students who get more than 8.0 CGPA in M.Sc. in Science Departments of IIT Madras can be admitted directly to their Ph.D programme in Sciences with interview at departmental level.

2.1.3 Ph.D. in Humanities and Social Sciences

Master's degree in an eligible discipline with a good academic record or equivalent and having a valid GATE score or UGC/CSIR-NET/NBHM or equivalent qualification tenable for the current year in the relevant area.

2.1.4 Ph.D. in Management

Masters degree or equivalent PG Diploma or Associateship in a relevant discipline, and a Bachelor's degree with a good academic record OR Five year integrated masters degree / dual degree or equivalent in a relevant discipline with a good academic record

AND

Qualifying in national level examinations such as JMET /CAT /XAT /MAT /ATMA /GATE /UGC or CSIR / NET / JRF or Lectureship or equivalent or international level post graduate admission examination such as GMAT / GRE or equivalent.

OR

At least 5 years of managerial experience in lieu of the above examination. (This clause is only for Non-HTRA candidates)

Master's degree in Engineering / Technology with a good academic record or a Master's degree by Research in Engineering / Technology in a relevant discipline are exempted from qualifying in National level examinations.

2.1.5 Institute staff members/Research scholars under QIP/Research Scholars under External Registration / Research scholars working on part-time basis.

For Research Scholars in the above categories, the minimum educational qualifications are the same as prescribed for full time research Scholars in 2.1.1, 2.1.2, 2.1.3 and 2.1.4 for admission to the Ph.D programme in the respective categories. However, valid GATE score or CSIR / UGC JRF or Lectureship / NBHM / JMET / CAT / AIMA or equivalent qualification as applicable for regular full time research scholars may not be required in these cases.

The research scholars may be admitted to the Ph.D programme under the part-time category from a reputed University/ Institution/ Organization and they must have **two years** experience for Ph.D in the case of registration in Engineering / Science / Social Sciences / Management Studies.

(The list of eligible disciplines in which the minimum educational qualifications have to be obtained will be provided by each department in the Admissions Brochure, which will be updated from time to time).

The Department/Selection Committee may find fit to consider meritorious candidates from disciplines other than listed in the Admission Brochure if there is a good match between the educational / research background of the candidate and the proposed area of research.

The admission brochure will also include details about inter-disciplinary research areas, which may be pursued by the research scholars for the Ph.D degree and the corresponding eligible disciplines given by the Departments.

Additional and stiffer criteria than the minimum educational qualifications given in R.2.1 may be set by the Department Selection Committee from time to time for short listing candidates to be called for interview and or test.)

2.1.6 Offering admission into PhD programme for students in the 4th year of their B.Tech. programme

- a) Applications will be sought from bright students who are in their 4th year in between October-and December and after completion of selection process, offer of admission to PhD programme for July session of next year to be finalized by December.

- b) In case NCB makes students of 6th semester eligible to write GATE, GATE score may be used while considering admission process. In case of non-availability of such a provision, the candidate with a CGPA of 8 and above, if found suitable, can be offered admission to PhD programme without HTRA. They can be encouraged to write GATE in their 8th semester to enable such candidate to become eligible for HTRA by qualifying in GATE.
- c) Fellowship for the selected students will be for 5 years as applicable for direct Ph.D admissions.
- d) Candidates from centrally Funded Technical Institutes having a CGPA of 8 and above, if found suitable, can be offered admission to PhD programme with HTRA. The need to qualify GATE to avail HTRA is waived for such students. 2/2013
(d)
- e) In principle, MSc., students in 3rd semester / MA students in 9th semester of IITs with a CGPA of 8 and above may also be eligible to apply. The Senate suggested that the proposal to be discussed in the DCC of the respective departments and HoD may send recommendation for approval of the Senate

2.1.7. Inducting B.Tech students from Other Indian Institutions into IIT Madras at the end of 3rd year

2/2013
(d)

- a) Top 10% of the B.Tech students from other Institutions (which agree to participate in the programme) who are in their 3rd year will be eligible to apply for Direct Ph.D. This provision will be applicable to the institutes who enter into a specific MoU with IITM in this regard. The MoU content to be decided by the BAC for courses part and BAR for research part.
- b) Selected students will move to IIT Madras in the 4th year.
- c) Credits earned during first year of Ph.D programme at IIT Madras shall have equivalence to the credit needed for the 4th year of the B.Tech programme. The credits will be transferred to their parent institution to award B.Tech degree.
- d) The candidate would complete the comprehensive viva within 5 semesters after joining IIT Madras.
- e) The students selected for admission to PhD programme are eligible for HTRA for five years, after completing their first year of stay successfully at IIT Madras. Students from CFTIs having a CGPA of 8 and above, will be eligible for award of HTRA without the requirement of GATE. Students admitted from Non-CFTIs, are required to qualify in GATE for becoming eligible for the award of HTRA.
- f) If a student does not perform well in the courses at IIT Madras, the student will be transferred back to the parent institution along with credits earned.

- g) If a student is not found fit to continue in the PhD programme, he/she will be allowed to drop out any time after the 5th year, at which point the B.Tech credits will be transferred to the parent institute.

R.2.2 Upgradation of registration from M.S / M.Tech. to Ph.D. Programme (Regular / External)

- (i) *Meritorious MS/MTech students with CGPA>8.0 after completing prescribed courses (could even be after 1 semester), can convert to direct PhD as in the current practice.* 71/2013 (AR.3)
- (ii) *Alternately, students approach HoD with the recommendation of a chosen advisor. Students can take comprehensive examination at the time when comprehensive viva offered by the departments with the permission of the guide and the department. After passing the comprehensive viva examination, the scholar shall exercise option for upgradation within a month*
- (iii) *Constitution of new Doctoral Committee to be done in workflow.*
- (iv) *If they fail, they can continue to be in the original program that they joined and no paper work is required, otherwise they can try comprehensive examination for the final time. Failing which the scholar to continue M.S.*
- (v) *Once failed in two comprehensive examinations, no more option available to the M.S. scholar for upgradation (i.e. they cannot avail option (i) anymore).*
- (vi) *This new provision will not alter the existing regulations for comprehensive examination.*

Meritorious candidates who have registered for M.S/M.Tech. programmes are eligible to upgrade their registration to the Ph.D programme in the same department if they satisfy the following criteria:

- (a) The candidate should have been registered for a minimum of 2 semesters in the M.S/M.Tech. programme.
- (b) Minimum CGPA of 8.0 in the prescribed courses.
- (c) Course work is compulsory and DC can suitably recommend residential requirement to complete course work.

In the case of a M.S. Scholar, the General Test Committee of the M.S. scholar will consider the application for upgradation to Ph.D. under the supervision of the same guide(s) and make its recommendation to the Chairman, Senate to approve the upgradation of the scholar as per

rule and report the same to the Senate. If approved, a Doctoral Committee as per R.9 will be constituted to replace the General Test Committee.

In the case of a M.Tech. Student, a Committee duly constituted by the Head of the Department will consider the application for upgradation to Ph.D. and make its recommendation to the Chairman, Senate to approve the upgradation of the student as per rule and report the same to the Senate. If approved, a Doctoral Committee as per R.9 will be constituted and guide(s) as per R.6 will be allotted.

The candidate should pass the comprehensive examination (R.13) within a semester after upgradation to the Ph.D. programme and within two attempts.

The candidate will be treated on par with one admitted directly after a Bachelor's degree, but with the residency period and course work completed under the M.S/M.Tech. registration as decided by the Doctoral Committee credited to the Ph.D programme.

(see Page 10 for explanation of CGPA)

M.S :

72/2013
(BR.3)

(a)	M.S. scholars can opt for upgradation after clearing atleast three courses.
(b)	minimum CGPA of 8.0 in the prescribed courses in the M.S. Programme.
(c)	After upgradation to Ph.D., the M.S. scholars can opt for exit option after one semester.

M.Tech. :

(a)	M.Tech. students can opt for upgradation should have been registered for minimum 2 semesters.
(b)	minimum CGPA of 8.0 in the prescribed courses completed in the M.Tech. Programme
(c)	M.Tech. students can opt for upgradation with the recommendation of the committee constituted by the Head of the concerned department.
(d)	The committee will have 4 to 5 members uniformly across depts.. for sending recommendation.
(e)	Potential guide will be one of the members of the Committee
(f)	After upgradation to Ph.D., the M.Tech. students can opt for exit option after one semester.

The above norms will be applicable from 2013 batch scholars / students.

M.S. scholars can opt for upgradation to Ph.D. programme within 3 years from the date of joining MS programme and beyond 3 years the request for upgradation to Ph.D. can be accepted with atleast one journal paper published or accepted.

29/2014
(BR.3)

- (a) M.S. scholars can opt for upgradation after clearing atleast three courses. There should be minimum CGPA of 8.0 in the GTC prescribed courses at the time or request by the scholar for upgradation.
- (b) *minimum CGPA of 8.0 in the prescribed courses in the M.S. Programme.*
- (c) *After upgradation to Ph.D., the M.S. scholars can opt for exit option after one semester.*
- (d) **The MS Scholars to exercise option for dual degree at the time of upgradation**
- (e) that M.S. scholars can opt for upgradation to Ph.D. programme within 3 years from the date of joining MS programme and beyond 3 years the request for upgradation to Ph.D. can be accepted with at least one journal paper published or accepted.
- (f) The option for two degrees will be available to all those who have converted / admitted direct Ph.D. from 2013.
- (g) The name of the MS degree under Dual Degree option will be "Master of Science" in YY (name of the department).
- (h) **Ph.D. & MS degree will be awarded after successfully completing the Ph.D. requirement**

53/2015
(BR.5)

53/2014
(AR.4)
(i)

53/2014
(AR.4)
(iv)

M.Tech. :

- (a) *M.Tech. students can opt for upgradation should have been registered for minimum 2 semesters.*
- (b) *Minimum CGPA of 8.0 in the prescribed courses completed in the M.Tech. programme*
- (c) *M.Tech. students can opt for upgradation with the recommendation of the committee constituted by the Head of the concerned department.*
- (d) *The committee will have 4 to 5 members uniformly across departments for sending recommendation.*
- (e) *Potential guide will be one of the members of the Committee*
- (f) *After upgradation to Ph.D., the M.Tech. students can opt for exit option after one semester.*

R.2.3 Switch over to Ph.D. from M.Tech. programme (Kakodkar Committee Recommendation)

2/2013
(I,d)

- (i) For students admitted from M.Tech to Ph.D, an option may be given to them to select 2 degrees for M.Tech. and Ph.D. or Ph.D alone. Students who exercise two-degree option to complete four additional courses above 5000 level.
- (ii) The minimum CGPA for eligibility shall be fixed at 8.
- (iii) The Departmental Committee consisting HoD will recommend for up-gradation from M.Tech. to Ph.D.
- (iv) If the student opts for two degrees, no separate project works to be done for M.Tech. programme.
- (v) For upgraded scholar from M.Tech. to Ph.D., the 2 special courses to be completed in lieu of 4 additional courses at 5000 level.
- (vi) They may be allowed to take up Ph.D. in another department also as recommended by the departmental committee.
- (vii) However, M.Tech. Degree will be given from the parent department.
- (viii) Exit option may be given to go back to the parent department, if dropping out of Ph.D.
- (ix) Admission norms of the each department will be fixed by the committee of the admitting department.

53/2014
(AR.4)
(v)

R.2.4 Upgradation of registration from M.Sc to Ph.D. Programme to Dual M.Sc.-Ph.D. programme

73/2014

1. Qualifying CGPA is 8.00
2. CGPA will be computed at the end of 3rd semester and upgradation request can be given by M.Sc. students after 3rd semester.
3. The upgradation will be for M.Sc. and Ph.D. Dual degree
4. The M.Sc. students have to complete all the M.Sc. courses as per M.Sc. curriculum and course requirement as per Ph.D. regulations and one/two special departmental courses in lieu of M.Sc. project.
5. Comprehensive Viva Voce to be completed within three semester after conversion
6. Exit option will be considered after 6th semester
7. Students can exercise exit option (with M.Sc. degree alone) after

6th semester and have to meet the M.Sc. credit requirements of the respective departments

8. M.Sc. degree will be awarded on successful submission of Ph.D.synopsis.
9. The date of award of M.Sc. degree in the M.Sc. certificate shall be printed as date of completion of M.Sc. course requirements for which, certificate of date of completion of M.Sc. courses to be issued by the respective HoDs.
10. Other requirements for Ph.D. such as seminar, research proposal meeting, defence etc. remains the same as per Ph.D. regulations

R.3 International Students

Foreign nationals can only register as regular full-time scholars. Foreign nationals with degree from Indian Universities will be treated on par with Indian nationals for admission purposes. Foreign nationals with foreign degrees must meet the minimum educational requirements as given in **R.2.1** equivalent to a Indian Master's degree in the relevant disciplines. **In addition, they should have a valid GRE/ GMAT / GATE /JMET/CAT/XAT/MAT/ATMA/UGC or CSIR /NET /JRF or an equivalent examination and should have cleared TOEFL score in the relevant discipline.** International students are expected to have a working knowledge of English.

R.4 Selection Procedure

Eligible candidates possessing the minimum educational qualifications and satisfying additional criteria set by the departments from time to time, will be called for an Interview and/or Test by the Selection Committees of the respective departments.

For candidates who have obtained PG degree 10 years earlier as on the last date prescribed for receipt of the completed application, a departmental test may be conducted.

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 test, the Departmental Selection Committee will recommend to the Chairman, Senate the names of candidates found suitable for admission to the Ph.D. Programme.

R.5 Admission

- (a) Candidates whose selection is approved by the Chairman, Senate will be admitted to the Ph.D. programme after payment of prescribed fees.
- (b) Ordinarily, a candidate is not eligible for re-registration for Ph.D. after cancellation of his/her earlier registration for any reason. Based on the merits of the individual case and taking into consideration of any special circumstances, a candidate may be considered for re-registration.

R.6 Choice of guide

- (a) Allotment of research scholars to guides will be made by the Head of the Department taking into consideration the research profile of the department and the preferences of the research scholars and guides.
- (b) There shall be not more than two guides from the Institute for a research scholar.
- (c) Additional Guide from outside the Institute can be allowed with the approval of Chairman, Senate on case to case basis only for Biomedical Devices and Technology Programme.
- (d) Co-guide from other IITs / Institutions / Industries with a minimum academic qualification of Master's degree in Engineering / Management and with adequate professional experience in the relevant field or Ph.D in relevant area may be nominated for Ph.D scholars on the request of scholar / supervisor. 6/2012 (BR.3)
- (e) The recommendation for the co-guide shall be made with valid reasons and justifications by the DC of the research scholar.
- (f) Appointment of Co-guide by the Head of the Department on the recommendation of the guide within 24 months from the date of joining for the Ph.D. scholars. After the time limit, the co-guide shall be made with valid reasons and justifications by the DC of the research scholar.
- (g) Every department should send the method of guide allocation passed by their DCC to Dean (Academic Research) for approval. The procedure should be made known to faculty and students. 1/2013 (4)

- (h) Co-guide for Ph.D./M.S. scholars can be appointed from foreign /Indian universities within the time limit approved by the Senate. [24 months for Ph.D. and 12 months for M.S.]. For recommendation of the co-guide beyond the time limit Dean (Academic Research) will consider such requests on case-to-case basis.
- (i) The DC/GTC has to verify the CV of the proposed co-guide and appointment of co- guide can be considered even from the Institution which do not have MoU with IITM.
- (j) The co-guide will be requested to sign IPR and NDA document as a part of acceptance.
- (k) From the financial point of view the Institute should have no obligation to the Co-guide.

R.7 Eligibility for being guides

The following may be a guide for a Ph.D scholar:

- All faculty members of the Institute.
 - Scientific / Design staff of the Institute with a doctoral degree.
 - Continuance of retired faculty members / emeritus faculty as guides
- (a) When a faculty member, who has guided a candidate for at least 3 years, retires, he 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 Doctoral Committee meetings, synopsis meeting and the viva voce examination.
 - (b) A faculty member who is to retire within 3 years may be permitted to become a guide to a new scholar with another faculty member, who is not likely to retire within 5 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 Doctoral Committee meetings, synopsis meeting and viva voce examination.
 - (c) CSIR and other Emeritus Fellows / Scientists / Emeritus Professors, who hold office at this Institute for a period of 2 years or more, can become co-guides for scholars along with a guide from IIT Madras, with at least 5 years service still left at the time of registration of the scholar.
 - (d) In case a faculty member who is a guide goes on leave

exceeding one year duration, another faculty member will be identified to become a co-guide of the research scholar.

- (e) The induction of new guides after 3 years of registration of a research scholar will be considered by the Doctoral Committee in the office of the Dean, Academic Research.
- (f) Co-guide for Ph.D./M.S. scholars can be appointed from foreign / Indian universities within the time limit approved by the Senate. [24 months for Ph.D. and 12 months for M.S.]. For recommendation of the co-guide beyond the time limit Dean (Academic Research) will consider such requests on case-to-case basis.
- (g) The DC/GTC has to verify the CV of the proposed co-guide and appointment of co- guide can be considered even from the Institution which do not have MoU with IITM
- (h) The co-guide will be requested to sign IPR and NDA document as a part of acceptance.
- (i) From the financial point of view the Institute should have no obligation to the Co- guide

R.8 Change/Addition of guide

The Doctoral Committee of a research scholar may recommend change of guide or appointment of a co-guide for valid reasons.

R.9 Doctoral Committee

The Head of the Department will intimate to the Dean, Academic Research, for each scholar the area of research, the name(s) of the guide(s) and a panel of names, indicating the area of specialisation of faculty members for constitution of a Doctoral Committee, within 8 weeks of the date of joining of the research scholar.

The following is the composition of the Doctoral Committee:

1.	Head of the Department (HoD/nominee of HoD) (If the HoD happens to be the Guide of a scholar, the senior most Professor / previous HoD will be nominated by Chairman, Senate or his nominee)	-	Chairman
	HoD may nominate Chairman, if he/she is otherwise engaged for the conduct of DC/GTC meetings to assess the progress of the scholars		
	HoD must be present for comprehensive Exam / Synopsis / Thesis report / Viva voce meetings of the Scholar		

2.	The Dean (Academic Research)	-	Member
3.	Research Guide or Guides	-	Member(s)
4.	A minimum of two faculty member of the Department nominated by the Chairman, Senate or his nominee from the suggested panel of names by HoD	-	Member
5.	A minimum of one faculty member of allied Departments or allied Institutions nominated by the Chairman, Senate or his nominee from the suggested panel of names by HoD	-	Member

In case any member goes on leave exceeding one year duration, or resigns or retires from the Institute, the Chairman, Senate or his nominee will nominate another member on the suggestion of the Chairman, Doctoral Committee.

Scientific/Design staff and others who are eligible to guide Ph.D. scholars may be nominated as members of the Doctoral Committee.

appointment of DC members from abroad can be made with condition that non-disclosure agreement to be obtained from the proposed DC members before appointment

- (a) For comprehensive viva meeting HoD or his/her nominee to be the Chairman
- (b) Guide will act as a convener of the Doctoral Committee except for comprehensive viva
- (c) The workflow will show the details of DC meeting conducted and DC commitment of faculty members.
- (d) that the DC members for Interdisciplinary scholars to be nominated as follows:
 - (a) one DC member each from respective departments of guides.
 - (b) 3rd DC member from the department other than the departments.
 - (c) for interdisciplinary MS one member from primary department and other members from any other department.

R.10 Registration

- (a) The Doctoral Committee will meet normally within a month of being constituted, where the research scholar will make a presentation. The Doctoral Committee will fix/approve the date of registration for the Ph.D. programme, 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 IC & SR projects by up to 6 months from the date of

admission to the programme, on the recommendation of the Doctoral Committee with justification. Based on the recommendation of the Doctoral Committee, the Senate may, additionally permit backdating by a further period of 6 months.

R.11 Course Work

The Doctoral Committee will normally prescribe two core courses and at least four electives. The prescribed courses shall be post-graduate level courses of the Institute.

- (a) Ph.D research scholars in the Engineering / Sciences / Humanities and Social Sciences/Management shall complete two core courses and at least two electives [**minimum 12 credits (Resolution.20, 210th Senate)**]. In cases where the scholar is directly admitted to the Ph.D Programme in Engineering with a Bachelor's degree in Engineering/ Technology or with a Master's degree in science where eligible or where the research scholar updates from the M.S/M.Tech programme at IIT Madras, to the Ph.D programme, the scholar should successfully complete 5 core courses and 3 electives out of a minimum 5 prescribed by the Doctoral Committee [**minimum 24 credits (Resolution.20, 210th Senate)**].

In the case of a scholar updating to the Ph.D Programme in Engineering from the M.S/M.Tech Programme at IIT Madras, the courses already successfully completed by the scholar in the Master's Programme may be considered by the Doctoral Committee for the course work requirements. Changes in prescribed courses shall be made only by the Doctoral Committee. The Doctoral Committee may prescribe additional courses for a scholar wherever found necessary.

- (b) The Doctoral Committee may give credit to courses already undergone by a research scholar in this Institute or other Institutions, provided they are the same or equivalent to those prescribed, and the performance level of the scholar in them meets the minimum requirements. The Doctoral Committee may prescribe additional courses for research scholars wherever found necessary.
- (c) UG courses suggested by DC may be allowed as additional courses.

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(5)

- (d) Credit to courses already undergone by a Research Scholar in this Institute or other Institutions may not be considered if they were credited for award of any previous degree/diploma
- (e) waiver of one or more courses out of those prescribed by the Ph.D Ordinances and Regulations in exceptional cases by the Doctoral Committee is not advisable.
- (f) as a general principle that the MS/Ph.D scholar **not** to be encouraged to take contact courses. For courses of special nature, permission may be given by Dean (Academic Research) on case to case basis.

71/2013
(AR.4)

- (g) For MTech-PhD dual degree in ED department :
 Number of credits for courses to be kept similar to that of existing Senate-approved M.Tech. to (M.Tech.+Ph.D) upgradation. For appearing in comprehensive examination 24 credit courses work required.
 Mini project not required.
 Laboratory / practice components in courses to be highlighted.

- (h) The scholars upgraded from MS to PhD to complete 30 credits and a minimum 8 theory courses and special courses with course number XX6999 and XX7999 (XX stands for department code). 2 special course work to be completed by 4th semester. In addition they need to complete comprehensive examination successfully

53/2014
(AR.4)
(iii)

- (i) For upgraded scholar from M.Tech. to Ph.D., the 2 special courses to be completed in lieu of 4 additional courses at 5000 level.
- (ii) the two special courses (XX6999 and XX7999) as graded courses, which will be included in the CGPA requirement. Grades to be obtained for these courses will be between S and C.

73/2014
(AR.3)

(iii) The objectives of the courses are as follows:

Course objectives:

XX6999 – Report on critical review of Literature and Seminar Presentation

XX7999 – Report on Simulation / Preliminary Experimental/Analytical Verification of prior art and presentation of a Seminar.

Each of the courses will carry 3 credits in which they have to submit a project report and give a seminar as decided by the Doctoral committee.

Completion of these two courses will be towards partial fulfillment of award of MS degree for upgraded/direct PhD scholars.

73/2014
(AR.3)

- (i) Course work is desirable for
- a) Regular : 2 Semesters
 - b) Direct PhD : 3 Semesters
 - c) Upgraded PhD: 2 Semester

(j) **Grades**

Based on the semester performance, each student is awarded a final grade at the end of the semester in each subject. The grades and the corresponding grade points are as follows:

Grade	Points
S	10
A	9
B	8
C	7
D	6

Research scholars shall obtain a minimum CGPA of 7.5 in the courses taken by them subject to a minimum of “C” grade in the prescribed courses. If more than the minimum required electives have been taken, only the electives with the best performance will be considered for computing the CGPA.

A student is considered to have completed a subject successfully and earned the credits if he secures a grade other than D. Once a subject successfully completed, it cannot be repeated.

The GPA will be calculated according to the formula

$$\text{GPA} = \frac{\sum (C \times GP)}{\sum C}$$

Where C = credit for the course, GP = the grade point obtained for the registered course, the sum is over all the courses taken in that semester, successfully completed courses.

R.12 Progress Report

- (a) Scholars to submit progress report through workflow to the Guide, HoD, DC members & Office of the Dean (Academic Research) every semester. After guide’s review/evaluation of the progress, HoD to approve the same and the scholar becomes eligible for enrolment.

- (b) Continuance of registration and award/continuance of scholarship/Research Assistantship will be based on the recommendation of the Doctoral Committee.

In the case of research scholars under external registration or working on a part-time basis, the Doctoral Committee will pay particular attention to the quantum of effort put in by the scholar towards doctoral studies and progress.

Inadequacy of effort/progress can be a reason for cancellation of registration.

- (c) Research Proposal meeting should be completed within a year after Comprehensive Examination.

R.13 Comprehensive Examination

- (a) Every Ph.D scholar shall take and perform satisfactorily in a Comprehensive Examination in his/her Department.

The Comprehensive Examination shall be conducted by a Comprehensive Examination Committee of the Department, consisting of the Doctoral Committee members of the scholar and at least two other faculty members of the Institute nominated by the Chairman of Doctoral Committee.

- (b) If the performance of a research scholar in the Comprehensive Examination in the first attempt is not satisfactory, he/she will be given one more opportunity to appear for the comprehensive examination within six months of the first attempt.

The registration of a research scholar who fails to complete successfully the Comprehensive Examination in both attempts, will be given an option to convert his/her registration from Ph.D to M.S. programme if he/she so desired, otherwise his/her registration will be cancelled. The procedure for Ph.D scholars of Engineering / Management Department to convert to MS after failing in the second attempt of Comprehensive Examination is given in R.21/ Ph.D

- (c) The objective of the Comprehensive Examination is to test the general capability of the research scholar and the breadth of his/her knowledge in his/her discipline and areas related to his/her field of research.

The Comprehensive Examination will usually consist of a written test and oral examination or a oral examination.

The Comprehensive Examination Committee shall intimate to the research scholar sufficiently in advance the scope of the Comprehensive Examination, so as to enable the scholar to prepare adequately for it.

- (d) The Ph.D research scholars are normally expected to complete successfully the Comprehensive Examination within a year after his/her registration in the Ph.D programme and in any case not later than three semesters after his registration in the Ph.D programme.
- (e) After successful completion of comprehensive examination, ResearchProposal meeting shall be conducted within a year in the form of 1st seminar. In case seminar is not conducted within 2½ years, there must be a separate research proposal meeting of the DC.
- (f) Both written and oral components for Comprehensive viva. The department to decide the modalities. 2/2013
(6)
- (g) Comprehensive Examination to be completed by the Scholars:
 - i) Regular : within a year but not later than 3 semesters
 - ii) Direct PhD : within 5 semesters
 - iii) Upgraded PhD: within 2 semesters after upgradation

R.14 Enrolment

All research scholars who are in residence and whose registration is still in force, are required to enroll online each semester on the stipulated date till their submission of thesis after payment of the requisite fees and HoD to approve it.

Those not in residences may pre-enrol in absentia during the stipulated period after payment of the requisite fees.

The enrolment will be completed only after successful completion of progress meeting during the semester.

The enrolment will be cancelled if the progress is not satisfactory.

Online enrolment through workflow and HoD to approve it.

R.15 Minimum Residential Requirement

- (a) The minimum period of study and research for regular full time research scholars required at the Institute from the date of registration for the Ph.D. Programme in engineering to the date

of submission of Ph.D. thesis shall be 24 months for research scholars with Master's Degree in Engineering / Technology; 36 months for

- i. research scholars with Master's Degree in Sciences,
 - ii. research scholars directly admitted to the Ph.D Programme with Bachelor's degree in Engineering / Technology
 - iii. for research scholars who update from the M.S/M.Tech Programme at IIT Madras to the Ph.D Programme.
- (b) The minimum period of study and research for regular full time research scholars from the date of registration for the Ph.D Programme in Sciences, Humanities and Social Sciences and Management to the date of submission of the Ph.D thesis shall be 24 months.
- (c) The minimum residential requirement for the Ph.D. Scholar under external registration and research scholars working on a part-time basis not employed in the Institute is one semester.
- (d) Withdrawal from the programme is permitted for a semester or longer for reasons of ill health or other valid grounds as duly recommended by Doctoral Committee.

R.16 Relief from Ph.D. programme to take up job

Ph.D. Scholars who got a job offer can get relief from the programme, while keeping their registration alive on payment of the requisite fees every semester, on the following condition :

Scholars who take up jobs will be relieved on their request, based on the recommendations of Doctoral Committee, if they have completed their

- (a) minimum residential requirement;
- (b) course work and
- (c) comprehensive examination.

The renewal of their registration for every year/semester however, will be considered only if the Doctoral Committee finds his/her progress to be satisfactory and recommends continuance of registration.

R.17 Maximum Duration of Programme

Regular Ph.D. Research Scholars should submit the thesis within 5 years from the date of registration and Direct PhD and Upgraded PhD scholars Scholars should submit the thesis within 6 years from the date of registration. The Doctoral Committee may extend the period of submission of the thesis further 2 years with an additional year for

- (i) research scholars under QIP,
- (ii) research scholars who are staff members of the institute,
- (iii) research scholars under external registration and
- (iv) research scholars working on a part-time basis
- (v) maximum duration for women PhD Scholars who avail maternity leave, is 5years +2years+ number of days of maternity leave (not exceeding 180 days) (271st senate dated 24-02-2016 (Reso:10/2016 BR-4)

R.18 Withdrawal from the programme

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

R.19 Cancellation of Registration

- (a) The registration of a research scholar whose progress is not found to be satisfactory by the Doctoral Committee or who has not enrolled is liable to be cancelled.
- (b) The registration of a research scholar who has not submitted his/her thesis before the end of the maximum permissible period as in R.17 will be cancelled.

R.20 Reversion of upgraded Ph.D Registration to Master's Programmes

- (a) i) A research scholar who updates his/her M.S. registration to Ph.D, may apply for reversion to the M.S. Programme under the supervision of the same guide(s) if he/she so desires and if he/she has completed three years after the date of original M.S registration.
- (ii) If a research scholar, who updates his/her M.S. registration to Ph.D, fails to pass the comprehensive examination in two attempts, he/she will be reverted to the M.S. Programme.

The Doctoral Committee will consider the application only if the scholar has completed all the course requirements prescribed originally by the General Test Committee when the scholar registered for the M.S. programme and if the research work carried out till date is found suitable for submission as an M.S. thesis. If the application is found acceptable, the Doctoral

Committee may recommend reversion of registration. If the reversion is approved by the Institute, the Doctoral Committee will continue to function as the General Test Committee till the completion of the scholar's M.S. Programme.

The scholar must complete the requirements of the M.S. degree within a maximum period of one year from the date of reversion of the registration from Ph.D to M.S.

(iii) Scholars upgraded from MS and the direct Ph.D. scholars who exercise exit option will submit thesis and satisfy the requirements for MS by Research and degree will be awarded as per norms.

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(AR.2) (vii)

- (b) i) A research scholar who updates his/her M.Tech registration to Ph.D, may apply for reversal of registration to the original M.Tech programme if he/she completed three years after the date of original M.S registration.
- ii) If a research scholar, who updates his/her M.Tech registration to Ph.D, fails to pass the comprehensive examination in two attempts, he/she will be reverted to the M.Tech Programme.

If the Doctoral Committee recommends the reversal of registration, and the same is approved by the Institute, the scholar must complete the requirements of the M.Tech degree within a maximum period of one year from the date of reversal of the registration from Ph.D to M.Tech.

(See M.S. and M.Tech. Ordinances and Regulations)

R.21 Conversion of Ph.D Registration to MS Programmes

The Ph.D registration of a research scholar who fails to complete successfully the Comprehensive Examination in both attempts, will be given an option to convert his/her registration from Ph.D to M.S. programme if he/she so desired, otherwise his/her registration will be cancelled. The procedure for Ph.D scholars of Engineering / Management Department to convert to MS after failing in the second attempt of Comprehensive Examination is given below :

- i) First, the Ph.D. scholar has to formally convey his/her request to exercise the option for conversion of registration to the M.S. (by Research) programme to the concerned Guide(s) and Heads of Department soon after he/she is informed of his/her failure in the

second attempt of the Comprehensive Examination.

- ii) The Doctoral Committee must favourably recommend the Ph.D. scholar's request for conversion to the M.S. (by Research) programme within one week from the date of receipt of the same from the concerned scholar.
- iii) Following the favourable recommendation of the DC and its subsequent approval by the Chairman, Senate, the DC will become the General Test Committee (GTC) for the scholar and the same Guide will continue.
- iv) The duration of the scholar's M.S. (by Research) programme shall not be more than 3 years from the date of first registration in the Ph.D. programme.
- v) In its first meeting following the conversion of registration, the GTC will take into account the credits earned by the scholar in the courses already undergone by him/her as a part of the Ph.D. programme. Further one more course may be prescribed by the GTC of the scholar to satisfy M.S. programme norms. This is not applicable to scholars who are directly admitted into the Ph.D programme.
- vi) The award of HTRA to the scholar will be as per the M.S. (by Research) programme.

R.22 Synopsis

- (a) On satisfactory completion of the prescribed courses, the comprehensive examination and the research work, the scholar shall submit the requisite copies of the synopsis of his/her research work in the required format through the guide(s) and Head of the Department to the Academic Section for consideration of the Doctoral Committee. Prior to submission of the synopsis, the scholar is required to give at least two seminar talks on the topic of his/her research. The scholar should have at least one paper either published or accepted for publication in a refereed journal. DC may consider exceptional cases, which will be reported to Senate. This amendment shall come in to effect for scholars joined from July 2007 onwards.

Newly admitted Ph.D. scholars from July 2014 are expected, but not mandated to publish

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(AR.3)

- (a) Two journal papers out of which one journal paper to be published in the listed journals

OR

(b) One journal paper and it must be published in top 20 journals of the department.

- (b) The research scholar shall present the synopsis before the Doctoral Committee. The Doctoral 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 eight examiners from outside the institute. (Foreign universities)
- (c) “Prior to submission of the synopsis, the scholar is required to give at least two seminar talks on the topic of his/her research and the first seminar talk must be given before the end of third year. The third Doctoral Committee meeting may be held after the scholar gives the first seminar talk. This will be applicable for scholars admitted from July 2010 onwards”.
- (d) The Research proposal meeting may be treated as the first seminar. In case of a separate seminar meeting, it will be treated as DC meeting. There must be atleast 6 months between two seminars
- (e) Synopsis/5th year progress meetings to be held at Deans’ Office and will be chaired by HoD

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R.23 Submission of Thesis

the scholars should submit the synopsis along with thesis in hard and soft copy on the day of synopsis meeting. However, one month time will be given to improve the thesis if they want to change it. Otherwise, the thesis submitted will be treated as final version.

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(B.10)

The research scholar shall, within one month of acceptance of the Synopsis, submit requisite copies of the thesis and abstract of the thesis as stipulated.

The Doctoral Committee may grant additional time beyond one month on request from the scholar for valid reasons.

The guidelines for use of anti-plagiarism software for the Ph.D thesis are as follows:

1. the scholars have to certify that the software “Turnitin” or any other standard software / platform was used for checking against Plagiarism.
2. The guide has to ensure checking against plagiarism through any standard software before submission of PhD / MS thesis and endorse

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(B.5)

the undertaking of the scholar.

3. The guide may obtain a special relief from this checking from the Dean (Academic Research) on grounds of IP implications or National Security, if applicable.

fellowship deemed to be equivalent to Institute Post-Doctoral Fellowship (except contingency) for a maximum period of six months from the date of submission of final synopsis with thesis for the scholars who have submitted thesis within 4½ years. (engineering / science departments). They will pursue the work as defined for Institute Post Doctoral Fellow. Hostel accommodation will be provided during this period. The fellowship can be terminated on one month notice either by the student or by the mentor.

59/2015
(BR.6)

10/2016
(BR3)

R.24 Panel of Examiners

The thesis shall be referred to two examiners chosen by the Chairman, Senate or his nominee from among the panel of examiners recommended by the Doctoral Committee at its synopsis meeting.

DC to send the list of examiners with 8 names of experts recommending atleast 2 names of foreign university. In case, both approved are Indian examiners, both to be invited for the viva-voce examination, and atleast one should attend. Second examiner may optionally attend viva-voce through video conferencing if the examiner unable to attend viva in person. If one is unable to attend viva-voce in person / video conference, an internal examiner to be nominated.

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(11)

sending request to alternate examiner for MS/Ph.D. thesis review after completion of the time limit and after issuing 2nd reminder to the existing examiner. This procedure to be brought to the attention of examiners in the first letter of invitation sent to them.

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(BR.6)

R.25 Thesis Report

- (a) The examiner is expected to send the report on the thesis within two months from the date of receipt of the thesis.
- (b) In case of undue delay in receiving the thesis report, the Chairman, Senate or his/her nominee shall appoint another examiner in his/her place for evaluating the thesis.
- (c) If one of the two thesis examiners declares the thesis as not commended, the thesis shall be referred to a third examiner from the panel for his/her evaluation.

- (d) 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 Doctoral Committee failing which the revised thesis will not be accepted and his/her registration will be cancelled.
- (e) If two examiners, after referral to a third examiner, if necessary, report the thesis as not commended the registration of the scholar shall stand cancelled.
- (f) If reports of two examiners after referral to a third examiner, if necessary, declare the thesis as 'commended' the Doctoral Committee will consider the reports and recommend for conduct of viva voce which will be conducted normally not earlier than two weeks from the date of the constitution of the viva voce board. The Doctoral Committee will suggest a panel of at least four expert members out of which one member will be nominated for the viva voce board.
- (g) In all other cases, not covered by the above Regulations the matter will be referred to the Doctoral Committee for consideration.

R.26 Viva Voce Examination

- (a) The following is the composition of the viva voce Board:

1	Head of the Department (if HoD happens to be the Guide of the research scholar the Professor/previous HoD, will be nominated by Chairman, Senate or his nominee). HoD must be present for comprehensive Exam / Synopsis / Thesis Viva voce examination of the Scholar
2	The examiner of the thesis from within the country, or a specialist subject nominated by the Chairman, Senate or his nominee from examiners approved by the Doctoral Committee.
3	Research Guide(s)
4	A Specialist either from the Institute or outside from the panel approved by the Doctoral Committee and nominated by the Chairman, Senate or his nominee (R.25.f)

- (b) Doctoral Committee members of the Research Scholar concerned will be invitees to the viva voce.
- (c) The viva voce board will examine the scholar on his/her thesis work and evaluate his/her performance as satisfactory or otherwise.

The viva voce board will ensure that the scholar answers satisfactorily the questions raised by the thesis examiner(s).

E-copy of the thesis to be circulated prior to reports meetings and viva voce examination of the MS & Ph.D. thesis. The details are as follows:

- (i) the reports are to be circulated to the DC/GTC members along with a e-copy of the thesis and
 - (ii) the response of the candidate as well as the modified e-thesis be circulated prior to the Vivavoce / meeting
- (d) If the report of the viva voce board declares the performance of the research scholar not satisfactory, he/she 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).

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(BR.12)

On the second occasion, the viva voce board will also include the members of the Doctoral Committee.

- (e) If the viva voce board on the second occasion also evaluates the performance of the research scholar not satisfactory, the matter will be referred to Senate for a decision.
- (f) 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.

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 been incorporated in the copy of the thesis along with the report of the viva voce board.

- (g) All the research scholars shall submit one copy of the final form of thesis in A5 size and an electronic version in PDF format after the viva voce board recommends the award of the Ph.D degree.
- (h) The examiner's name can be appended in the final A5 copy of the thesis only with the consent of the examiner.

R.27 Award of Ph.D Degree

If the performance of the research scholar in the viva voce is satisfactory, he/she will be awarded Ph.D. degree on the recommendation of the Senate and with the approval of the Board of Governors of the Institute. The award of Ph.D degrees to the scholars

who have completed all the requirements for the award of Ph.D degree as and when approved by the Senate and Board of Governors will be considered on request so as to reduce the period of waiting by scholars for getting the degrees.

Ph.D. & MS degree will be awarded after successfully completing the Ph.D. requirement

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The name of the MS degree under Dual Degree option will be “Master of Science” in YY (name of the department).

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The option for two degrees will be available to all those who have converted / admitted direct Ph.D. from 2013.

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(AR.4) (viii)

R.28 Discipline

Every scholar is required to observe disciplined and decorous behaviour 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 act of indiscipline of a scholar reported to the Dean of Academic Research will be referred to a Discipline and Welfare 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 Board of Academic Research, which will authorise the Dean of Academic Research to take appropriate action.

The Dean will report the action taken at the next meeting of the Senate.

Appeal: The scholar may go in for appeal to the Chairman of the Senate whose decision will be final.

R.29 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.

M.S. ORDINANCES AND REGULATIONS

ORDINANCES

- O.1 A candidate who has qualified for the award of the Bachelor's degree in Engineering/Technology of this Institute or a recognised Institute or University in the discipline as prescribed in the regulations of the Senate is eligible to apply for the Master of Science by Research (M.S.) Programme in Engineering/ Entrepreneurship/ Management of this Institute.
- O.2 A candidate who has qualified for the award of the M.Sc. degree in basic Sciences of this Institute or a recognised Institute or University or Master's degree in certain areas approved by the Senate is also eligible to apply for the M.S Programme in Engineering /Entrepreneurship/ Management of this Institute.
- O.3 The award of the M.S. degree shall be in accordance with the regulations of the Senate of this Institute.

REGULATIONS

	Particulars	Reso. No.
R.1	Categories of Admission	

Candidates will be admitted to the M.S. by research Programme in Engineering/Entrepreneurship/Management of the Institute under one of the following categories:

- (a) Regular full-time scholars with or without Institute fellowship or with project support.

Person employed on a project can apply for admission to M.S. programme with a minimum project experience of six months without valid GATE score subject to qualifying in selection procedure (interview / written examination) of the concerned department. They will not be eligible for HTRA until they qualify in the GATE examination. The scholars may seek conversion from project to HTRA provided they qualify in GATE with the minimum cut-off prescribed for the selection of scholars admitted in his/her batches.

Admission to MS Programmes under Regular as well as the Project category, the Departments must adopt a

common cut off at the time of calling for interview and common merit list of selection for all categories.

- (b) Research scholars who are staff members of the Institute.
- (c) Research scholars under the external registration programme sponsored by and employed in industry/organisation having R & D facilities and recognized by DST or IIT Madras, national laboratories, reputed universities/colleges or employed in research/analysis jobs in public sector/private sector/ government in the case of Management area.

(A research scholar under the external registration programme will normally carry out part or all of his/her research work in the industry/organization/national laboratories/ universities employing the scholar under the supervision of a co-guide employed in the same organization and a guide at IIT Madras. The candidate must have at least two years experience).

- (d) Research scholars working on a part-time basis from a reputed university/ institution/ organization.

(A research scholar working on a part-time basis shall normally carry out research work at IIT Madras under the supervision of a guide at IIT Madras. The feasibility of doing this with sufficient intensity will be an important consideration in admitting the scholar in this category).

The candidate must have at least two years experience in the case of Research scholars registered in Management Studies).

(e) MS (Applied Research)

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- a. The degree for MS (Applied Research) will be Master of Science by Research as awarded for regular MS programme.
- b. The GTC can recommend appropriate method of review for keeping thesis confidential for MS (Applied Research) programme.

R.2 Eligibility

R.2.1 Minimum educational qualifications

The minimum educational qualifications for admission to the M.S. by research programme in Engineering / Entrepreneurship / Management are as follows:

Regular full time scholars

2.1.1 M.S. in Engineering

(i)

- a) Candidates with a Bachelor's degree in Engineering / Technology with valid GATE score.
- b) Candidates having Associate Membership of the following professional bodies will also be eligible for admission to the M.S. 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 Engineers (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.
- c) Candidates having qualified in MFT (Major Field Test) will also be eligible for admission to the M.S. programme if the concerned department opt for it.
- d) IIT B.Tech candidates with a CGPA score of 8.0 or above on a scale of 10 [SC/ST : 7.5 CGPA] are eligible to apply for MS Programme (as in the case of M.Tech. Programme) and they can be offered HTRA, if selected.

2.1.1 M.S. in Entrepreneurship/Management

(ii)

- a) Bachelors degree or equivalent in any professional discipline of minimum four years duration or Masters degree or equivalent in a relevant discipline, with a good academic record,
AND
- b) A good score or pass in:
 - a) national level post graduate admission qualifying

examinations such as JMET/CAT/XAT/MAT/ATMA/GATE/ UGC or CSIR NET JRF or Lectureship or equivalent, or

- b) International level post graduate admission qualifying examination such as GMAT/GRE or equivalent
 - c) at least 3 years of managerial experience in lieu of the qualifying test. (This clause is only for non-HTRA candidates)
- c) Candidates having qualified in MFT (Major Field Test) will also be eligible for admission to the M.S. programme if the concerned department opt for it.

The minimum eligibility requirement for admission will be graduates with a BTech/BE or any postgraduate degree (eg. MA or MCom will be eligible; not BA or BCom graduate).

The existing admission criteria for regular HTRA and non-HTRA admissions to be retained. For HTRA, the candidate will need to qualify in GATE/CAT/MAT/XAT/UGC or CSIR NET JRF or lectureship and to any of the approved national qualifying exams eligible for scholarship at the time of accepting offer of admission or CGPA over or equal to 8.0 CGPA for graduates from centrally funded technical institutions (including IITM). Under the non-HTRA category, anyone with a BTech or postgraduate degree can apply.

In addition all candidates must submit a Proposal for a start-up, which will be evaluated by the Screening Committee first, before recommending select applications to the Admissions/Selection Committee for an one - to- one interview.

Basic requirements need to be completed for obtaining MS(E) degree:

Minimum of 5 courses to be completed along with a final thesis submission. The thesis will consist of two components: *technical and techno-economic feasibility*. MS(E) students will be expected to have sound understanding of business / economics apart from the technical discipline in which the business is proposed.

Hence, they will be recommended to do courses in economics, management and/or entrepreneurship (new courses to be offered), in addition to those offered by Engineering departments.

2. Upgradation of B.Tech. students of the final semester fulfilling eligibility criteria with 8 CGPA or GATE.

Applying in their final/4th year: Application (including a Proposal of idea) treated as a new admission, and will be forwarded directly to the Selection Committee for interview. Those applying for HTRA, will

require a minimum 8.0 CGPA or qualify through GATE (or any other national level qualifying examination as in 1.2.2 above) scores at the time of admission for getting scholarship. Any IITM student is eligible for admission, post BTech completion. The requirements will be same as that of a regular MS(E) student, except that GTC can make a case for reducing the five course MS(E) requirement on case to case basis.

3. Upgradation of B.Tech. students at the end of 6th semester with minimum 7 CGPA. For awarding HTRA CGPA shall be a minimum of 8, else students should get valid GATE Score.

Two degrees [B.Tech. Degree + MS (E)]will be awarded after successful completion of the requirements:

- The students will be required to complete all the credits required for their B.Tech program (Dept. specific), which includes and the BTech project of 9 credits in the form of a DPR establishing pre-feasibility of the product/process to be developed, compulsorily.

- 5 courses for MS(E), but on case by case basis, GTC can decide to waive up to 3 courses, based on performance of the student and the expertise that he/she has acquired. DoMS quarter system based courses to be counted towards course requirements of MS.

- MS(E) thesis.

4. Conversion of Dual Degree Students to B.Tech. + MS (Entrepreneurship) programme at the end of their 3rd year with minimum of 7 CGPA. For awarding HTRA, the CGPA shall be a minimum of 8, else student should get a valid GATE score.

Dual Degree students can convert to B.Tech + MS(E) program at the end of their 3rd year and will have the same requirements as B.Tech students converting to B.Tech + MS(E) program at the end of their 3rd year.They have to complete the B.Tech requirement in parent department including the project as above (point no.3) and the course requirements will also be as discussed above in the point no.3.

For B.Tech. and Dual Degree students of the Institute, the application to be routed through the Faculty Advisor and Head of the Department. MS(E) cannot be upgraded to PhD, and vice-versa (no downgrade). MS(E) and B.Tech + MS(E) candidates can appear in Placements only once.

2.1.2 Institute staff members/Research Scholars under External Registration / Research scholars working on part time basis.

Bachelor's degree in Engineering/Technology or a Master's degree in appropriate Sciences / Management / Humanities and Social Sciences where eligible with a good academic record. However, Valid GATE score or CSIR / UGC NET / NBHM / JMET / CAT / AIMA or equivalent qualification may not be required in these cases.

The research scholars may be admitted to the MS programme under the part-time category from a reputed University / Institution / Organization and they must have two years experience for MS in the case of registration in Engineering/Management.

(The list of eligible disciplines in which the minimum educational qualifications have to be obtained will be provided by each department in the Admissions Brochure, which will be updated from time to time.

The Department/Selection Committee may find fit to consider meritorious candidates from disciplines other than listed at in the Admission Brochure if there is a good match between the educational/research background of the candidate and the proposed area of research.

The Admission Brochure will also include details about inter-disciplinary research areas, which may be pursued by the research scholars for the M.S. degree and the corresponding eligible disciplines given by the Departments).

Additional and stiffer criteria than the minimum educational qualifications given in R.2.1 may be set by the Department Selection Committee from time to time for short listing candidates to be called for interview and or test.

Admission to M.S.(Entrepreneurship) Programme in the following 4 categories:

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1.	<p>Admission through advertisement for candidates fulfilling minimum eligibility requirements.</p> <p>The minimum eligibility requirement for admission will be graduates with a BTech/BE or any postgraduate degree (eg. MA or MCom will be eligible; not BA or BCom graduate).</p> <p>The existing admission criteria for regular HTRA and non-HTRA admissions to be retained. For HTRA, the candidate will need to qualify in GATE/CAT/MAT/ XAT/UGC or CSIR-</p>
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	<p>NET-JRF or lecturer-ship and to any of the approved national qualifying exams eligible for scholarship at the time of accepting offer of admission or CGPA over or equal to 8.0 CGPA for graduates from centrally funded technical institutions (including IITM). Under the non-HTRA category, anyone with a BTech or postgraduate degree can apply.</p> <p>In addition all candidates must submit a Proposal for a start-up, which will be evaluated by the Screening Committee first, before recommending select applications to the Admissions/Selection Committee for an one-to-one interview.</p> <p>Basic requirements need to be completed for obtaining MS(E) degree:</p> <p>Minimum of 5 courses to be completed along with a final thesis submission. The thesis will consist of two components: <i>technical and techno-economic feasibility</i>. MS(E) students will be expected to have sound understanding of business / economics apart from the technical discipline in which the business is proposed. Hence, they will be recommended to do courses in economics, management and/or entrepreneurship (new courses to be offered), in addition to those offered by Engineering departments.</p>
2.	<p>Upgradation of B.Tech. students of the final semester fulfilling eligibility criteria with 8 CGPA or GATE.</p> <p>Applying in their final/4th year: Application (including a Proposal of idea) treated as a new admission, and will be forwarded directly to the Selection Committee for interview. Those applying for HTRA, will require a minimum 8.0 CGPA or qualify through GATE (or any other national level qualifying examination as in 1.2.2 above) scores at the time of admission for getting scholarship. Any IITM student is eligible for admission, post BTech completion. The requirements will be same as that of a regular MS(E) student, except that GTC can make a case for reducing the five course MS(E) requirement on case to case basis.</p>
3.	<p>Upgradation of B.Tech. students at the end of 6th semester with minimum 7 CGPA. For awarding HTRA CGPA shall be a minimum of 8, else students should get valid GATE Score.</p> <p>Two degrees [B.Tech. Degree + MS (E)] will be awarded after successful completion of the requirements:</p> <ul style="list-style-type: none"> - The students will be required to complete all the credits required for their B.Tech program (Dept. specific), which includes and the BTech project of 9 credits in the form of

	<p>a DPR establishing pre-feasibility of the product/process to be developed, compulsorily.</p> <p>- 5 courses for MS(E), but on case by case basis, GTC can decide to waive up to 3 courses, based on performance of the student and the expertise that he/she has acquired. DoMS quarter system based courses to be counted towards course requirements of MS.MS(E) thesis.</p>
4.	<p>Conversion of Dual Degree Students to B.Tech. + MS (Entrepreneurship) programme at the end of their 3rd year with minimum of 7 CGPA. For awarding HTRA, the CGPA shall be a minimum of 8, else student should get a valid GATE score.</p> <p>Dual Degree students can convert to B.Tech + MS(E) program at the end of their 3rd year and will have the same requirements as B.Tech students converting to B.Tech + MS(E) program at the end of their 3rd year. They have to complete the B.Tech requirement in parent department including the project as above (point no.3) and the course requirements will also be as discussed above in the point no.3.</p>
	<p>For B.Tech. and Dual Degree students of the Institute, the application to be routed through the Faculty Advisor and Head of the Department.</p> <p>MS(E) cannot be upgraded to PhD, and vice-versa (no downgrade).</p> <p>MS(E) and B.Tech + MS(E) candidates can appear in Placements only once.</p>

R.2.2 Upgradation of registration from M.S to Ph.D Programme

Meritorious candidates who have registered for the M.S. programme are eligible to upgrade their registration to the Ph.D programme in the same department under the supervision of the same guide(s) if they satisfy the following criteria:

- (a) The candidate should have been registered for a minimum of 2 semesters in the M.S. programme.
- (b) Minimum CGPA of 8.0 in the prescribed courses in the M.S. Programme. (See page 10 for explanation of CGPA)
- (c) Course work is compulsory and DC can suitably recommend residential requirement to complete course work.

The General Test Committee of the M.S. scholar will consider the application for upgradation of Ph.D under the supervision of the same guide(s) and make its recommendation to the Chairman, Senate to approve the upgradation of the scholar as per rule and report the same to the Senate. If approved a Doctoral Committee will be constituted to replace the General Test Committee.

The candidate should pass the comprehensive examination within two semester after upgradation to the Ph.D. programme and within two attempts.

The candidate will be treated on par with one admitted directly after a Bachelor's degree, but with the residency period and course work completed under the M.S. registration as decided by the Doctoral Committee credited to the Ph.D. programme (See Ph.D Ordinances and Regulations).

R.3 International Students

Foreign nationals can only register as regular full-time scholars. Foreign nationals with degree from Indian Universities will be treated on par with Indian nationals for admission purposes. Foreign nationals with foreign degrees must meet the minimum educational requirements as given in R.2.1 equivalent to Indian Master's degree in the relevant disciplines. In addition, they should have a valid GRE/ GMAT / GATE /JMET/CAT/XAT/MAT/ATMA/UGC or CSIR /NET /JRF or an equivalent examination and should have cleared TOEFL score in the relevant discipline. International students are expected to have a working knowledge of English.

R.4 Selection Procedure

Eligible candidates possessing the minimum educational qualifications, and satisfying additional/stiffer criteria set by the departments from time to time, will be called for an Interview and / or Test by Selection Committees of the respective departments.

For candidates who have obtained UG degree 10 years earlier as on the last date prescribed for receipt of completed application, a departmental test will be conducted.

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 test, the Departmental Selection Committee will recommend to the Chairman, Senate the names of candidates found suitable for admission to the M.S. in Engineering/Management programmes.

Candidates for M.S. programme in Entrepreneurship will be called by Dean IC & SR to appear for an interview and/or test. Dean IC&SR will recommend the names of the candidates suitable for admission, to the Chairman, Senate. (Guidelines for admission to M.S. Entrepreneurship is given in R. 9). The Head, Department of Management Studies shall coordinate the programme with the assistance of the IC & SR

R.5 Admission

- (a) Candidates whose selection is approved by Chairman, Senate will be admitted to M.S in Engineering/ Management/ Entrepreneurship programmes after payment of prescribed fees.
- (b) Candidates admitted to M.S in Entrepreneurship shall undergo a three-month course on 'Entrepreneurial Development' to be organised by IC & SR. At the end of the course, the candidates shall submit a pre-feasibility report on the products proposed to be developed by them at the Institute. The Dean, IC&SR will forward to the Chairman, Senate for approval for registration of the candidates for M.S in Entrepreneurship. The admission of the candidates to M.S in Entrepreneurship shall then be regularised. The General Test Committee will then be constituted.
- (c) Ordinarily, a candidate is not eligible for re-registration for M.S. after cancellation of his/her earlier registration for any reason. Based on the merits of the individual case, and taking into consideration any special circumstances, a candidate may be considered for re-registration.

R.6 Choice of Guide

- (a) Allotment of research scholars to guides will be made by the Head of the Department taking into consideration the research profile of the department and the preferences of the research scholars and guides.

- (b) There shall be not more than two guides from the Institute for a research scholar.
- (c) i) Co-guide from other IITs / Institutions / Industries with a minimum academic qualification of Master's degree in Engineering / Management and with adequate professional experience in the relevant field or Ph.D in relevant area may be nominated for M.S scholars on the request of scholar / supervisor.
 - (ii) The recommendation for the co-guide shall be made with valid reasons and justifications by the GTC of the research scholar.
- (d) Appointment of Co-guide by the Head of the Department on the recommendation of the guide within 12 months from the date of joining for the M.S. scholars. After the time limit, the co-guide shall be made with valid reasons and justifications by the DC of the research scholar.
- (e) Every department should send the method of guide allocation passed by their DCC to Dean (Academic Research) for approval. The procedure should be made known to faculty and students.

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R.7 Eligibility for being Guides

The following may be a guide for a M.S. Scholar:

- All faculty members of the Institute.
 - Scientific / Design staff of the Institute with a doctoral degree.
 - Continuance of retired faculty members / emeritus faculty as guides.
- (a) When a faculty member, who has guided a candidate for at least 2 years, retires, he 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 General Test Committee meetings, synopsis meeting and the viva voce examination.
 - (b) 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 General Test Committee meetings, synopsis meeting and the viva voce examination.

- (c) CSIR and other Emeritus Fellows / Scientists / Emeritus Professors, who hold office at this Institute for a period of 1 year or more, can become co-guides for scholars, along with a guide from IIT Madras, with at least 3 years service still left at the time of registration of the scholar.
- (d) In case a faculty member who is a guide goes on leave exceeding one year duration another faculty member will be identified to become a co-guide of the research scholar.
- (e) The induction of new guides after 2 years of registration of a research scholar will be considered by the General Test Committee in the office of the Dean, Academic Research.
- (f) Co-guide for M.S. scholars can be appointed from foreign / Indian universities within the time limit approved by the Senate. [12 months for M.S.]. For recommendation of the co-guide beyond the time limit Dean (Academic Research) will consider such requests on case-to-case basis.
- (g) The DC/GTC has to verify the CV of the proposed co-guide and appointment of co- guide can be considered even from the Institution which do not have MoU with IITM.
- (h) The co-guide will be requested to sign IPR and NDA document as a part of acceptance.
- (i) From the financial point of view the Institute should have no obligation to the Co- guide

R.8 Change / Addition of Guide

The General Test Committee of a research scholar may recommend change of guide or appointment of a co-guide for valid reasons.

R.9 General Test Committee

The Head of the Department will intimate to the Dean, Academic Research for each scholar, the area of research,

name(s) of the Guide(s) and a panel of names indicating the area of specialization of each faculty member for constitution of General Test Committee within 8 weeks of the date of joining of the research scholar.

- (a) The following is the composition of the General Test Committee for M.S. scholars in Engineering/ Management programmes:

1	<p>Head of the Department/ nominee of HoD (If HoD happens to be Guide of a research scholar, the Senior most Professor/previous HoD will be nominated by Chairman, Senate or his nominee)</p> <p>HoD may nominate Chairman, if he/she is otherwise engaged for the conduct of GTC meetings to assess the progress of the scholars</p> <p>HoD must be present for Synopsis / Thesis report / Viva voce meetings of the Scholar</p>	Chairman
2	Research Guide(s)	Member(s)
3	Minimum of one faculty member of the Department nominated by the Chairman, Senate or his nominee from the suggested panel of names by HoD	Member
4	Minimum of One faculty member from allied departments of the Institute or allied institutions nominated by the Chairman, Senate or his nominee from the suggested panel of the names by HoD.	Member

In case any member goes on leave exceeding one year duration, or resigns or retires from the Institute, the Chairman, Senate or his nominee will nominate another member on the suggestion of the Chairman, General Test Committee.

Scientific/Design staff and others who are eligible to guide M.S. Scholars may be nominated as members of the General Test Committee.

appointment of GTC members from abroad can be made with condition that non-disclosure agreement to be obtained from the proposed GTC member before appointment

- (b) The composition of the General Test Committee for research scholars under M.S in Entrepreneurship shall, apart from those indicated in (R.9 a) will include the Dean, IC & SR and a representative of the Humanities and Social Sciences Department or the Department of Management Studies as members. An advisor from industry shall also be a member of the General Test Committee. The advisor from industry should be a graduate in the area of his profession and should have been associated with an industry for a reasonable period of time. The advisor will be an invitee to the meetings of the General Test Committee.

In addition the following Guidelines be adopted for admission of candidates to M.S. (Entrepreneurship) Programme :

The Head, Department of Management Studies :

- To be Chairman of GTC
- To identify a guide from the Science / Engineering Department following due discussions depending on necessity.
- At least one member from another department of IITM other than the Department of Management Studies or from another Institution to be GTC member.

The Department of Management Studies may select twice the number of candidates with HTRA. The selected candidates be given orientation programme and he/she has to submit a report containing conceptual ideas and techno-commercial details about the proposed enterprise.

The workflow will show the details of GTC meeting conducted and GTC commitment of faculty members.

R.10 Registration

- (a) The General Test Committee will meet normally within a month of being constituted, where the research scholar will make a presentation. The General Test Committee will fix/approve the date of registration for

the M.S. Programme, 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 IC & SR projects by up to 6 months from the date of admission to the programme on the recommendation of the General Test Committee with justification. Based on the recommendation of the General Test Committee, the Senate may, additionally, permit backdating by a further period of 6 months.

R.11 Course Work

The General Test Committee will normally prescribe three core courses and at least four electives. The prescribed courses shall be post-graduate level courses of the Institute.

- (a) M.S. research scholars with a Bachelor's degree in Engineering or Technology should successfully complete 3 core courses and at least 2 elective courses prescribed by the General Test Committee. **[minimum 15 credits (Resolution.20, 210th Senate)].**
- (b) M.S. research scholars with a Master's degree in Science or Arts who have registered for M.S. in Management or in the Computer Science & Engineering area should successfully complete 3 core courses and at least 2 elective courses prescribed by the General Test Committee **[minimum 15 credits (Resolution.20, 210th Senate)].**
- (c) M.S. research scholars with a Master's degree in Science or Arts who have registered for M.S. Programme other than in Management or in the Computer Science & Engineering area should successfully complete 5 core courses and at least 3 elective courses out of 5 prescribed by the General Test Committee **[minimum 24 credits (Resolution.20, 210th Senate)].**

The General Test Committee may give credit to courses already undergone by a research scholar in this Institute or other Institutions provided they are the same or equivalent to those prescribed and the performance level of the scholar in them meets the

minimum required. The General Test Committee may prescribe additional courses for research scholars wherever found necessary.

M.S. 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 'C' grade in the prescribed courses. If more than the Minimum required electives have been taken, only the electives with the best performance will be considered for computing the CGPA.

(see Page 10 under PhD for explanation of CGPA & Grades)

The General Test 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 General Test 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.S. Programme. The grades obtained in these courses will be mentioned in the transcript.

- (d) M.S. research scholars who update their registration to the Ph.D programme should successfully complete 5 core courses and at least 3 elective courses prescribed by the Doctoral Committee. The Doctoral Committee may give credits to courses already successfully completed by the research scholars during their M.S. programme towards the course requirement of the updated Ph.D programme. The Doctoral Committee may prescribe additional courses for such scholars if found necessary.

R.12 Progress Report

- (d) (a) A research scholar shall, after registration, submit annually a written report in the required format. Scholars to submit progress report through workflow to the Guide, HoD, GTC members & Office of the Dean (Academic Research) every semester. After guide's review/evaluation of the progress, HoD to approve the same and the scholar becomes eligible for enrolment.

The report should be routed through the guide to the Head of the Department, for consideration by the General Test Committee.

- (a) The progress made by a research scholar shall be reviewed by the General Test Committee once a year. Continuance of registration, and award/continuance of scholarship/ Research Assistantship will be based on the recommendation of the General Test Committee. In the case of research scholars under the external registration programme or working on part-time basis, the General Test Committee will pay particular attention to the quantum of effort put in by the scholar towards M.S Studies and progress. Inadequacy of effort/progress can be a reason for cancellation of registration.
- (b) MS scholars will have a mid term GTC review meeting before 2 years. [The extension of fellowship for the third year will be based on the GTC recommendation that the progress of the scholar is satisfactory and the extension of fellowship for the third year is recommended. \(Res. No. 56/2015 of \(269th meeting\)](#)

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R.13 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 successful completion of progress meeting during the semester. The enrolment will be cancelled if the progress is not satisfactory.

R.14 Minimum Residential Requirement

- (a) The minimum period of study and research required at the Institute from the date of registration for M.S. Programme to the date of submission of M.S. Thesis shall be 18 months for all regular full time M.S research scholars.

- (b) The minimum residential requirement for M.S research scholars under external registration or M.S research scholars working on a part-time basis not employed in the Institute is one semester.

R.15 Relief from M.S. programme to take up job

M.S. research scholars who get a job offer can get relief from the programme, while keeping their registration alive on payment of the requisite fees every semester, on the following conditions:

Scholars who take up jobs will be relieved on their request, based on the recommendations of General Test Committee, if they have completed their (a) minimum residential requirement and (b) course work.

The renewal of their registration for every year/semester will be considered only if the General Test Committee finds his/her progress to be satisfactory and recommends continuance of registration.

R.16 Maximum Duration of Programme

M.S. Research Scholars shall submit the thesis within three years from the date of registration. The General Test Committee may extend the period of submission of the thesis by up to 1 year for regular full time research scholars with an additional year for research scholars who are staff members of the institute, research scholars under external registration and research scholars working on a part-time basis.

R.17 Withdrawal from the programme

A scholar may be permitted by the Dean, Academic Research to withdraw from the programme for a semester or longer for reasons of ill health or other valid grounds duly recommended by the General Test Committee. Normally a scholar will be permitted to discontinue from the programme only for a maximum continuous period of two semesters.

R.18 Cancellation of Registration

- (a) The registration of a research scholar whose progress is not found to be satisfactory by the General Test

Committee or who has not enrolled is liable to be cancelled.

- (b) The registration of a research scholar who has not submitted his/her thesis before the end of the maximum permissible period as in R.16 will be cancelled.

R.19 Reversion of updated Ph.D Registration to M.S Programme

- (a) A research scholar, who updates his/her M.S. registration to Ph.D, may apply for reversion to the M.S. programme under the supervision of the same guide(s), if he/she so desires and if he/she has completed three years after the date of original M.S. registration.
- (b) If a research scholar who updates his/her M.S. registration to Ph.D fails to pass the comprehensive examination in two attempts, he/she will be reverted to the M.S. Programme.

The Doctoral Committee will consider the application only if the scholar has completed all the course requirements prescribed originally by the General Test Committee when the scholar registered for M.S and if the research work carried out till date is found suitable for submission as an M.S thesis. If the application is found acceptable, the Doctoral Committee may recommend the reversal of registration. If the reversion is approved by the Institute, the Doctoral Committee will continue to function as the General Test Committee till the completion of the scholar's M.S. programme.

The scholar must complete the requirements of the M.S. degree within a maximum period of one year from the date of reversal of the registration from Ph.D to M.S.

R.20 Conversion of Ph.D Registration to M.S Programme

The Ph.D registration of a research scholar who fails to complete successfully the Comprehensive Examination in both attempts, will be given an option to convert his/her registration from Ph.D to M.S. programme if he/she so desired, otherwise his/her registration will be cancelled. The

procedure for Ph.D scholars of **Engineering / Management Department to convert to MS after failing in the second attempt of Comprehensive Examination is given in R.21 / Ph.D**

R.21 Synopsis

- (a) On satisfactory completion of the prescribed courses and research, research scholars under the M.S. Programme in Engineering / Management, shall submit to the Head of the Department through their guide(s), requisite copies of the synopsis of the research work for consideration by the General Test Committee.
- (b) Research scholars under the M.S. programme in Entrepreneurship shall submit requisite copies of the synopsis in two separate volumes, one volume being the technical part and the other volume being the commercial part.
- (c) Prior to the submission of the synopsis, research scholars are required to give at least one seminar talk on the topic of their research work.

the Research proposal meeting may be treated as the first seminar. In case of a separate seminar meeting, it will be treated as DC meeting. There must be atleast 6 months between two seminars

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- (d) Research scholars are expected to publish the results of their research before submission of their theses preferably in a refereed journal.
M.S. scholars are expected, but not mandated to have one international conference. The conference quality must be approved by the GTC.
- (e) The research scholars shall present the synopsis before the General Test Committee. The General Test 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

R.22 Submission of Thesis

The research scholar shall, within one month of acceptance of the synopsis, submit the requisite copies of the thesis and abstract of the thesis as stipulated.

The General Test Committee may grant additional time beyond one month, on request from the scholar for valid reasons.

R.23 Panel of Examiners

- (a) The thesis of the research scholars other than the one under the M.S. programme in Entrepreneurship shall be referred to two examiners chosen by the Chairman, Senate or his nominee from among the panel of examiners recommended by the General Test Committee at its synopsis meeting.
- (b) MS thesis can be referred for evaluation by one internal examiner and one GTC member for the scholars who have either accepted/ journal paper:
1. The paper must be either accepted or published in a refereed journal.
 2. The paper should be certified as good or excellent by the GTC.
 3. The GTC Chairman to recommend the names of the examiners.

MS thesis evaluation by one internal examiner and one GTC member as given below for the scholars who have either accepted / published journal paper: 25/2013

The paper should be certified as good or excellent by the GTC.

Thesis evaluation of M.S. scholars by one internal examiner and one GTC member as given below for the scholars who have either accepted / published journal paper: 9/2015 (BR.2)

1. *The paper must be either accepted or published in a refereed journal*
 2. *The published (ONE) paper should be certified as of good quality by the GTC*
 3. *The scholar has to be the lead author of the journal paper*
- (c) The thesis of the research scholars under the M.S. programme in Entrepreneurship shall be referred to two examiners, chosen by the Chairman, Senate or his nominee from among the panel of examiners recommended by the General Test Committee at its

synopsis meeting, one for evaluation of the technical part and the other for evaluation of the commercial part. A brief note explaining the objectives and scope of M.S. programme in Entrepreneurship will be sent to the examiners along with the synopsis.

- (d) nomination of examiners within the Institute to evaluate M.S. Thesis, with the following criteria:
 - i) GTC to send a list of 6 examiners which may have a maximum of 2 examiners from IIT Madras.
 - ii) Both examiners from IIT Madras may be approved by the Senate Chairman/Nominee.

R.24 Thesis Report

- (a) The examiner is expected to send the report on the thesis within six weeks from the date of receipt of the thesis.
- (b) In case of undue delay in receiving the thesis report, the Chairman, Senate or his nominee shall appoint another examiner in his/her place for evaluating the thesis.
- (e) If one of the two thesis examiners declare the thesis, as not commended, the thesis shall be referred to a third examiner from the panel for his/her evaluation.
- (f) 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 General Test Committee failing which the revised thesis will not be accepted and his/her registration will be cancelled.
- (g) If two examiners, after referral to a third examiner, if necessary, report the thesis as not commended, the registration of the scholar shall stand cancelled.

i) M.S. in Engineering/Management:

If reports of two examiners after referral to a third examiner, if necessary, declare the thesis as 'commended' and if no viva voce is suggested, the General Test Committee will consider the reports within two weeks of receipt of copies of reports by the

Chairman, General Test Committee from the Academic Section, and recommend the award of Degree of M.S. (by Research) to the scholar, with a certificate that the corrections/revisions suggested by the examiner(s) have been incorporated in the thesis.

In the event of both or one of the examiners having suggested conduct of viva voce, the viva voce Board will conduct the viva voce examination and recommend the award of degree of M.S (by Research) to the scholar, with a certificate that the performance of the research scholar in the viva voce was found to be satisfactory and that the corrections/revisions suggested by the examiner(s) have been incorporated in the thesis. The viva voce will be conducted normally not earlier than two weeks from the date of receipt of copies of reports by the Chairman, General Test Committee from the Academic Section

ii) M.S in Entrepreneurship:

If reports of each examiner after referral to a second examiner, (Technical or Commercial), if necessary, declare the thesis as 'commended' the viva voce board will conduct the viva voce examination and recommend the award of the Degree of M.S (by Research) in Entrepreneurship to the scholar, with a certificate that the performance of the research scholar in the viva voce was found to be satisfactory and that the corrections/revisions suggested by the examiner(s) have been incorporated in the thesis. The viva voce will be conducted normally not earlier than two weeks from the date of receipt of copies of reports by the Chairman, General Test Committee from the Academic Section.

- g) In all other cases, not covered by the above regulations the matter will be referred to the General Test Committee for consideration.

R.25 Viva Voce Examination

a) i) M.S in Engineering/ Management :

The viva voce board shall comprise the members of the General Test Committee.

ii) M.S in Entrepreneurship:

The viva voce board shall comprise the members of the General Test Committee.

If one of the thesis examiners cannot be present at the viva voce examination due to unforeseen circumstances, another specialist from within the Institute or from outside approved by the Chairman, Senate or his nominee will be appointed.

- (c) 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, he/she 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.
- (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 been incorporated in the copy of the thesis along with the report of the viva voce board.

All the research scholars shall submit one copy of the final form of the thesis in A5 size and an electronic version in pdf format after the General Test Committee or the viva voce board recommends the award of the degree.

R.26 Award of M.S. Degree (by Research)

On the recommendation of the General Test Committee/viva voce board and Senate and with the approval of the Board of

Governors of the Institute the research scholar will be awarded the M.S. degree (by research).

The Department of Management Studies to award the MS (Entrepreneurship) degree.

The degree for MS (Applied Research) will be Master of Science by Research as awarded for regular MS programme.

R.27 Discipline

Every scholar is required to observe disciplined and decorous behaviour 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 act of indiscipline of a scholar reported to the Dean of Academic Research will be referred to a Discipline and Welfare 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 Board of Academic Research, which will authorise the Dean of Academic Research to take appropriate action.

The Dean will report the action taken at the next meeting of the Senate.

Appeal: The scholar may go in for appeal to the Chairman of the Senate whose decision will be final.

R.28 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.

Suggestion to include the following Senate approval in the MS & Ph.D. Ordinances & Regulations:

modification in the process of Adding or dropping of courses through workflow 53/2013 (AC.19)

- i) From January 2014 semester onwards hard copy add/drop form will not be entertained by academic section. All Add/Drop has to be done through the workflow.
- ii) for dropping a course: there is no need for approval by concerned course faculty. The student can drop a course anytime up to the senate permitted date with the approval of Faculty Advisor which will automatically getting updated in the roll list. The course faculty will be intimated through an email.

the recommendation of the Board of Academic Research that the Academic Section will write to MHRD for getting approval for sanction of HTRA. Till such time, the female scholars who availed maternity leave will be sanctioned additional subsistence allowance over and above the normal subsistence allowance period but not exceeding the period of maternity leave, if required. 58/2013 (BR.8)

maternity leave period of 180 days will be excluded for counting of maximum period for submission of thesis and 5th year meeting. 53/2014 (AR.6)

Preparing the HTRA and N-HTRA merit list separately for Ph.D. and MS programme and in this regard the Senate suggested the following guidelines: 9/2013 (BR.7)

- a. Students selected from HTRA list can move to N-HTRA and revert back to HTRA later.
- b. Students selected from N-HTRA list cannot move to HTRA category.
- c. The candidates may be advised to give option at the time of the online application.

(point a & b already included in the O & R)

payment of HRA to the Married Research Scholars if they are not provided with accommodation in quarters / hostels / MoH as per the eligibility criteria given below: 54/2012

1. The Institute is a residential institution and all students,

research scholars and research fellows shall reside in the Halls of residence and hostels. Hence, scholars choose to stay off from the campus, he/she will be treated as day scholars and not eligible for HRA.

2. Married scholars choose on their own to stay off from the campus are not eligible for HRA.
3. Married scholars to become eligible for HRA shall have to register at the Estate Section in the Administration with option to get allotment of quarters and they are eligible to get HRA upto the date of allotment of quarters.
4. HRA will not be given to the scholars who have turned down the offer of accommodation made to them.

*that one award (**Keshav-Rangnath Excellence in Research Award**) be earmarked for Ph.D. Research Scholar and the Guide and another for M.S. scholar and the Guide. If no M.S. scholar is selected for the year, it may be awarded for a Ph.D. Scholar.* 22/2015 (AR.2)

that the **QIP scholars** after getting relief from the Institute on completion of regular period of Ph.D. programme if they rejoin IITM and enrolled for the semester (with the permission of the Chairman, Centre for Continuing Education) will be eligible for **financial assistance** for attending international conference organized during their extended period of stay. 55/2014 (BR.6)

3. (a) **6 months enhanced fellowship** for scholars submitting thesis as approved by the Senate in its 261st meeting at Rs.45,000/- p.m. equivalent to Institute Post Doctoral Fellowship for the scholars those who complete their Ph.D. and submit the thesis within 4 years for engineering departments and 4½ years for science departments and sponsorship by alumni/industry may also be approved. 12/2014 (BR.7)

4. **Fully sponsored scholarship** for Institute PDF:
(a) *The Institute PDF with external sponsorship may be approved. Such PDF scheme should operate with the selection and supervision by a Central Committee to be headed by Dean (Academic Research) with departmental Head as one of the members.*

the revised norms of **Women PDF / Post Doctoral Fellow Policy** for the Institute as follows:

9/2015
(BR.3)

<p>(i) PDF for Women with Break in Career</p> <ol style="list-style-type: none"> a. Henceforth, the fellowship will be named as “PDF for Women with Break in Career”. b. The fellowship amount in the range of Rs.30,000/- to Rs.35,000/- thousand per month. c. Candidates already employed are not eligible to apply. Applications, if any received from such candidates need not be considered. d. Return Train Fare by II AC from place of residence in India to IIT Madras. e. Suitable accommodation as per IIT norms will be offered, if requested and, if available.
<p>II. Institute Post-Doctoral Fellow</p> <ol style="list-style-type: none"> 1. Ph.D. degree holders are eligible to apply within five years after completion of Ph.D. Maximum Age is 35 years (relaxable by 5 years for women and reserved category) 2. Ph.D. scholars after submission of thesis is also eligible to apply for Institute PDF posts. However, they have to submit the provisional/degree certificate within 6 months from the date of appointment as Institute PDF. If not submitted within the time limit, the appointment will stand cancelled or a decision will be taken in consultation with the thesis processing authority. 3. IITM Ph.D. scholars are not encouraged to apply for Institute PDF. However, outstanding candidates on merit can apply in exceptional cases which will be considered by the Department Standing Committee. In this case continuation with the same guide(s) is to be avoided.

revision of regulations appropriately for the following applicable for scholars admitted / upgraded from 2013:

53/2014
(AR.5)

	Particulars	Regular Ph.D.	Direct Ph.D.	Upgraded Ph.D.
(a)	Course work	Desirable 2 semester	Desirable 3 semester	Desirable 2 semesters
(b)	Comprehensive Exam.	within a year but not later than 3 semesters	within 5 semesters	within 2 semesters after

				upgradation
(c)	Maximum period	5+2+1 (one extra year for external, PT, QIP, staff)	6+2+1	6+2+1
(d)	Research Proposal meeting	Within a year after Comprehensive Examination	Within a year after Comprehensive Examination	Within a year after Comprehensive Examination
(e)	Pre-Doctoral Fellowship	4 years for Engg. and 4½ years for Science	5 years	5 years
(f)	Relief from Ph.D. programme to take up a job	As per current provision	As per current provision	As per current provision
(g)	5 th year progress meeting in Dean AR's Office	After 5 th year	After 6 th year	After 6 th year
(h)	Special Allowance	One year after 4 th year	One semester after 5 th year	Nil

scholars converted from M.S./M.Tech. to PH.D. programme may be made eligible for first conference before completing comprehensive viva voce exam, if not availed during the period of his/her MS programme.

29/2014
(BR.5)

financial assistance of Rs.1.35 lakhs for **international conference**. The assistantship may be availed for more than one conference if unspent balance available after first conference.

2/2013
(f)

Financial Assistance for attending international conferences be enhanced from the present level of Rs.1,25,000/- to 1,50,000/-, out of which, the accommodation expenditure is not to be more than US \$60 per day. Other criteria for eligibility to get financial assistance and travel claim will remains the same.

12/2014
(BR.6)

international conferences travel support can be extended to the MS & Ph.D. scholars who has submitted his/her thesis and until he/she is relieved from the programme.

12/2014
(BR.3)

financial support for attending **international conferences** may be made eligible to the MS & Ph.D. scholars during the period of their visit to other Institutes or internship abroad if the scholar does not get adequate funds from other sources. The scholars may be allowed to go for any number of conferences with funds from other sources.

12/2014
(BR.4)

the following new guidelines for sanction of Financial Assistance for attending **international conferences** for both MS & Ph.D. scholars:

72/2013
(BR.2)

The scholars should have

Ph.D. :

1.	<i>completed the comprehensive examination satisfactorily.</i>
2.	<i>a paper/poster accepted for presentation in the conference proposed to attend.</i>
3.	<i>to enclose quotation for Air fare, papers for registration & VISA fee.</i>
4.	<i>application to be forwarded by Chairman, DC.</i>
5.	<i>The Guide to certify course work completion.</i>

M.S. :

1.	<i>completed the course work satisfactorily.</i>
2.	<i>a paper/poster accepted for presentation in the conference proposed to attend.</i>
3.	<i>to enclose quotation for Air fare, papers for registration & VISA fee.</i>
4.	<i>application to be forwarded by Chairman, GTC.</i>
5.	<i>The Guide to certify course work completion.</i>

sponsorship of fellowship of Industry / Alumni for the following:

12/2014
(BR.7)

1. Fully sponsored scholarship option:

- (a) Entire expenditure related to one or more particular scholar and may even be in a particular area sponsored by the sponsoring industry/alumni.
- (b) The cost for such sponsorship will be worked out from time to time based on expenditure projected
- (c) In case of M.S. candidates chosen under this scheme will not have requirements of GATE.
- (d) The scholar will spend a period of up to 3 months for M.S. and upto 6 months for Ph.D as interns at the sponsoring industry.
- (e) Eligible for expenses such as buying of books, computers, visit to conferences and foreign universities out of the balance amount.

2. Top up scholarship option:

- (a) Selected Ph.D. scholars will be paid the normal HTRA by

the Institute and top up amount will be used for funding additional costs to scholars.

- (b) Total cost of sponsoring such top up will be worked out time to time based on projected expenditure:
- (c) These scholars will also have to spend time (3/6 months for M.S./Ph.D.) at the sponsoring industry as Interns.
- (d) The above option will also be open to the Alumni for sponsoring Ph.D. and M.S. candidates.

The Senate suggested that

- (e) Special clauses may be added for women and economically backward classes.
3. (a) the Senate resolved to recommend to the Board of Governors 6 months enhanced fellowship for scholars submitting thesis as approved by the Senate in its 261st meeting at Rs.45,000/- p.m. equivalent to Institute Post Doctoral Fellowship for the scholars those who complete their Ph.D. and submit the thesis within 4 years for engineering departments and 4½ years for science departments and sponsorship by alumni/industry may also be approved.
4. Fully sponsored scholarship for Institute PDF:
- (b) The Institute PDF with external sponsorship may be approved. Such PDF scheme should operate with the selection and supervision by a Central Committee to be headed by Dean (Academic Research) with departmental Head as one of the members.

Half Time Research Assistantship (HTRA) may be sanctioned initially for the period of 2 years for MS & Ph.D. scholars and subsequently 3 years for Ph.D. in Science departments and 2 years for Engineering departments and one year for M.S. scholars. Any drop outs / non-enrolment / cancellation will be informed suitably to the Finance & Accounts section for stop payment.

52/2013
(AR.2)

reformulation of guidelines for Institute Post Doctoral Fellowship at IIT Madras. The details are as follows:

58/2013
(BR.7)

- 1. The announcement for Post Doctoral position will be made

regularly (every 3 months) in specific areas in which the eligible mentors are engaged. There will be also provisions for outstanding candidates in any other areas.

2. Ph.D degree holders are eligible to apply within five years after completion of Ph.D.
3. The Post Doctoral candidates can be appointed as incentive to the middle and senior level faculty members in line with Institute Research Awards.
4. The Scholarship for Post Doctoral scholars may be fixed between Rs.45,000/- and Rs.55,000/- per month with Rs.1 lakh contingency grant p.a. depending upon the area of experience and qualification.
5. The Institute will seek funds for Post Doctoral positions from industry as well, carrying the name of the Industry in which case the scholarship provided may be even higher.
6. Apart from quality research work, post-docs will also be encouraged to write funding proposals. They will not be engaged in teaching in general, unless the scholar himself/herself wishes so.
7. The post docs will be attached to the mentor only for administrative purposes. He/She will work 'with' the mentor rather than 'under' the mentor. He/She will have independence to change the course of research.
8. Post docs will be eligible to serve as co-guide for B.Tech / DD / M.Sc./MA and M.Tech projects along with the mentor.
9. The performance of the Post Doctoral scholars will be reviewed every year by Performance Assessment Committee and will be renewed on the basis of performance report.
 - (a) norms for switch over to Ph.D. from M.Tech. programme (Kakodkar Committee Recommendation)
 - (b) Norms for offering admission into PhD programme for students in the 4th year of their B.Tech. programme
 - f) Applications will be sought from bright students who are in their 4th year in between October-and December and after completion of selection process, offer of admission to PhD programme for July session of next year to be finalized by December.

260th
Senate
(B.1)

- g) In case NCB makes students of 6th semester eligible to write GATE, GATE score may be used while considering admission process. In case of non-availability of such a provision, the candidate with a CGPA of 8 and above, if found suitable, can be offered admission to PhD programme without HTRA. They can be encouraged to write GATE in their 8th semester to enable such candidate to become eligible for HTRA by qualifying in GATE.
- h) Fellowship for the selected students will be for 5 years as applicable for direct Ph.D admissions.
- i) Candidates from centrally Funded Technical Institutes having a CGPA of 8 and above, if found suitable, can be offered admission to PhD programme with HTRA. The need to qualify GATE to avail HTRA is waived for such students.
- j) In principle, MSc., students in 3rd semester / MA students in 9th semester of IITs with a CGPA of 8 and above may also be eligible to apply. The Senate suggested that the proposal to be discussed in the DCC of the respective departments and HoD may send recommendation for approval of the Senate.

(d) Norms for Inducting B.Tech students from Other Indian Institutions into IIT Madras at the end of 3rd year

- a) Top 10% of the B.Tech students from other Institutions (which agree to participate in the programme) who are in their 3rd year will be eligible to apply for Direct Ph.D. This provision will be applicable to the institutes who enter into a specific MoU with IITM in this regard. The MoU content to be decided by the BAC for courses part and BAR for research part.
- b) Selected students will move to IIT Madras in the 4th year.
- c) Credits earned during first year of Ph.D programme at IIT Madras shall have equivalence to the credit needed for the 4th year of the B.Tech programme. The credits will be transferred to their parent institution to award B.Tech degree.
- d) The candidate would complete the comprehensive viva within 5 semesters after joining IIT Madras.

- e) The students selected for admission to PhD programme are eligible for HTRA for five years, after completing their first year of stay successfully at IIT Madras. Students from CFTIs having a CGPA of 8 and above, will be eligible for award of HTRA without the requirement of GATE. Students admitted from Non-CFTIs, are required to qualify in GATE for becoming eligible for the award of HTRA.
- f) If a student does not perform well in the courses at IIT Madras, the student will be transferred back to the parent institution along with credits earned.
- g) If a student is not found fit to continue in the PhD programme, he/she will be allowed to drop out any time after the 5th year, at which point the B.Tech credits will be transferred to the parent institute.

Offering Ph.D. programme to persons working in industries and teachers in Educational Institutions (Kakodkar Committee Recommendation)

appointment of DC/GTC members from abroad with condition that non-disclosure agreement to be obtained from the proposed DC members before appointment.

25/2013
(BR.5)

Leaner DC/GTC and fewer **event-based meetings**

1/2013
(8)

- (a) For PhD scholars – DC to have two internal and one external members
- (b) For MS scholars – GTC to have one internal and one external members
- (c) For comprehensive viva meeting HoD or his/her nominee to be the Chairman
- (d) Guide will act as a convener of the Doctoral Committee except for comprehensive viva
- (e) Synopsis / 5th year progress meetings to be held at Deans' Office and will be chaired by HoD
- (f) MS scholars will have a mid term review meeting before 2 years.
- (g) Scholars to submit progress report through workflow to the Guide, HoD, DC members &

Office of the Dean (Academic Research) every semester. After guide's review/evaluation of the progress, HoD to approve the same and the scholar becomes eligible for enrolment.

- (h) Online enrolment through workflow and HoD to approve it.

Admissions: **Special Institute Fellowship**

2/2013
(1.d)

- (a) Special Institute Fellowship for the students selected with CGPA of 8.5 and / or honours degree students and University rank holder through Alumni Fund subject to mobilization of fund from Alumni.
- (b) Special Institute Fellowship would cover tuition fee waiver, financial assistance for two conferences abroad, separate contingency funds and enhanced fellowship based on annual review.
- (c) The fellowship will not be upgraded later and students will not be allowed to join in later years.
- (d) The students selected to be given freedom to choose their guide.
- (e) Special Institute Fellowship will be superseded by Visveswaraiah Fellowship once it comes into effect.

The following norms for **Admission to Ph.D.** from 4th year B.Tech. programme (Kakodkar Committee Recommendation)

2/2013
(1.b)

- (a) B.Tech. student from Centrally Funded Technical Institutes who have qualified in GATE in the 3rd year may become eligible for Ph.D. from 7th Semester.
- (b) Fellowship for the selected students will be for 5 years as applicable to direct Ph.D.
- (c) Candidates with a CGPA of 8 and above will be eligible for admission for students from Centrally Funded Technical Institutes without

GATE qualification.

- (d) In principle, M.Sc. students in 3rd semester / MA students in 9th semester of IITs with a CGPA of 8 and above may also be eligible to apply. The Senate suggested that the proposal to be discussed in the DCC of the respective departments and HoD may send recommendation for approval of the Senate.

persons working in industries and teachers in Educational Institutions with an option to fulfill his/her course requirement through National Knowledge Network (NKN) will be eligible to apply for Ph.D admission under self-financing scheme. 2/2013 (1.9)

the teachers who will offer course through NKN to publicize the time slot.

the student selected under this category to stay at IIT Madras for enrolment for atleast 10 to 15 days in a year.

- (i) GTC to send a list of 6 examiners which may have a maximum of 2 examiners from IIT Madras. 2/2013 (11)

(ii) Both examiners from IIT Madras may be approved by the Senate Chairman / Nominee.