

M.Sc. Regulations 2023



**INDIAN INSTITUTE OF INFORMATION TECHNOLOGY
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INDIA**

M.Sc. Regulations 2023

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M.1.0. Admission

Qualification for admission will be as per the criteria specified by the admission authority of Government of India.

M.2.0. Structure of M.Sc. Program

The program will have a curriculum with syllabi consisting of (i) Core courses, (ii) Elective Courses, (iii) Project work (iv) Laboratory / Studio and the flexible curriculum system is applicable as presented and approved by the Senate.

M.2.1. The curriculum for M.Sc. program shall be drawn such that the minimum total number of credits for the successful completion of the program will be as in the following table:

Program	Minimum Credit for the courses	Credit for Project Work	Minimum Total Credits required
M.Sc.	59	10	69

M.2.2. One credit each for one lecture hour and one tutorial hour per week. A “three-credit lecture-based course”, for instance, will involve about 40 lecture hours spread through the semester, with three lecture hours per week.

M.2.3. For the elective courses, a student may be permitted by the Head of the Department (subject to the consent of the Teacher offering the said course concerned) to take a maximum of 2 elective courses from among the elective courses. Further, the teacher shall not offer the elective course if five or less than five students have opted for the course.

M.2.5. Course Plan

- i. Every theory/laboratory course shall have a course plan prepared by the course teacher well before the start of the semester. The course plans for core, elective, open elective courses will have details of the overview of the course, course objectives, course outcome, course teaching and learning activities and course assessment methods and reassessment policy.
- ii. Each course will have tailor-made assessment models viz. group tasks, assignments, report on field visit, quizzes, open book tests, laboratory exercises, mini-project and end of semester summative assessment etc. The course plan will also have details of attendance requirements, academic integrity and plagiarism and information on study materials.

M.3.0. Faculty Advisor

The Head of the Department shall assign a faculty every year who will be called as Faculty Advisor. The Faculty Advisor will help the students in planning their courses of study and will offer general advice regarding either the academic program or any other activity.

M.4.0. Class Committee

Class committee will be constituted by the respective Head of the Department, for improving the teaching - learning process. The suggestions of the Class Committee should be taken in earnest and the minutes of the Class Committee meetings shall be promptly recorded.

M.4.1. The composition of the class committee will be as follows:

- i. A senior faculty of the department, preferably not offering a course for that class, nominated by the Head of the Department as Chairperson.
- ii. All teachers handling courses including project guides, if any, for that shall become members.
- iii. Three students of the class nominated by the Head of the Department - Members.
- iv. In case the students for a particular course are drawn from different programs (as may be in electives), due care should be taken to ensure that the membership of the Class Committee is representative of the class population.

M.4.2. The functions of the class committee will be as follows:

- i. The class committee shall meet thrice during the semester. The first meeting will be held within two weeks from the date of commencement of the semester in which the nature of the broad assessment procedure for the different courses will be discussed. The second and third meetings will be held six weeks and ten weeks respectively from the commencement of a semester to meaningfully interact and express opinions and suggestions to improve the effectiveness of teaching - learning process and analyze the performance of the students in the assessments. The Chairperson of the class committee should send the minutes of the class committee meetings to the Head of the Department, immediately after the class committee meetings.
- ii. During the first meeting of the class committee, faculty members shall submit their respective course plans to the class committee Chairperson and head of the department for approval and uploading on the intranet site.
- iii. Any innovation in any course plan not agreed by the class committee or the HoD will be referred to the Chairperson of the Senate for approval.

M.4.3 Summer Internship/Industrial Training

The students are encouraged to undergo internship in industry for a minimum period of four weeks during summer. Attachment with an academic institution within the country (IISc/IITs/NITs/IITs and CFTIs) or University abroad is also permitted. A report is to be submitted to the HoD through the program coordinator at the end of summer Internship.

M.5.0. Enrolment and Registration

Every student is required to be present and register at the commencement of each semester on the day(s) fixed for and notified in the Academic Calendar.

M.5.1. A student will be eligible for enrolment only if he/she has cleared all the dues to the Institute, Hostel and Library up to the end of the previous semester, provided he/she is not debarred for enrolment by a disciplinary action of the Institute.

M.5.2. The student makes the choice of courses in consultation with his/her Faculty Advisor.

M.5.3. A student is considered to have completed a pre-requisite course if he/she has fulfilled the attendance requirements and also attended all the assessments in that course.

M.6.0. Attendance

At least 75% attendance in each course is mandatory. Students with less than 75% of attendance shall be prevented from writing the final assessment and shall be awarded 'V' grade. Students awarded 'V' grade must compulsorily redo the course.

M.7.0. Assessment Procedure – Tests and Examinations

M.7.1. M.Sc. – Theory/Laboratory/Studio courses

Each course shall have assessments carried out according to the Course Plan (M 2.5) drawn by the teacher concerned. The assessments of a course are in alignment with the course learning outcomes. Normally, both question paper setting and valuation of answer papers for all the examinations shall be carried out by the teacher who had handles the course. However, the Chairperson of the Senate will have the discretion to appoint any other teacher or external examiner for setting question paper and valuing the answer scripts of the students in any course.

The following will be the weightages for different courses:

Assessment	% Weightage
Assessments during the session	50
Final assessment	50
Total	100

M.7.2: M.Sc. – Project Work

The project work would be carried out in III and IV semesters.

M.7.3. The continuous evaluation of the project work shall be carried out by the Department Project Evaluation Committee (DPEC) the constitution of which is as follows. All the members should hold PhD degree.

Chairperson	Professor or Associate Professor
Two Members	Associate Professor or Assistant Professor

M.7.4. The DPEC shall be constituted by the Head of the Department at the beginning of every academic year. The DPEC constituted shall be for the entire academic year.

M.7.5. The Chairperson/member shall be substituted in the DPEC by another senior faculty member (nominated by the Head of the Department) for the continuous evaluation of a student guided by him/her.

M.7.6. The last date for submission of thesis of the first phase III semester M.Sc. project work is 31st December (or last working day of December) and the last date for submission of thesis of the second phase IV semester M.Sc. project work is 31st May (or last working day of May).

M.7.7. Panel of external examiners shall be drawn by the Head of the Department, from the list of examiners suggested by all the guides. External examiners may be identified for groups of minimum five students each, depending on the area of project.

M.7.8. The examiners should be a faculty of IITs/ IISc/NITs/scientists from central labs. Retired faculty/ scientists from these institutions serving in other organizations can also be in the panel of examiners.

M.Sc. (Project work evaluation)

The end semester project viva-voce shall be conducted by a panel consisting of the DPEC and an external examiner. The assessment pattern will be as follows:

Assessment	%Weightage
a) Continuous Assessment	
i. Based on two presentations/one presentations and one report, by the student before the DPEC	25
ii. Based on evaluation of final project report by the internal guide	25
b) End semester Viva-voce examination	50

M.8.0. Reassessments

The course plan shall outline the policy and eligibility criteria for compensation assessment for the students who fail to attend the regular assessment process during the course due to genuine reasons or reassessment for those failing the course due to poor performance.

M.9.0. Performance Analysis Committee

Performance Analysis Committee will consist of the same members as the class committee - but including the Head of the Department and excluding the student members. The meeting of the Performance Analysis Committee is to be held in one week from the last day of the final assessment, to analyze the performance of the students in all courses of study and finalize the grade ranges for each course. The PAC, by collective wisdom, should ensure that the clustering/grading/pass - fail decisions have been reasonably balanced. The Head of the Department shall go through the statement of grades (and the duly filled attendance register). In case of any problem that cannot be set right by the Head of the Department then the Chairperson, Senate is authorized to take appropriate action in his regard.

M.10.0. Passing and Declaration of Examination Results

The Institute follows relative grading to decide the mark ranges for grades. All assessments of a course will be carried out on the basis of marks. Absolute Grading policy shall be incorporated if the number of students per theory course is less than 10.

M.10.1. Publication in one reputed journal / reputed conference is desirable before completion of Phase – II project work.

M.10.2. A minimum of 40% should be scored in the final assessment (for all courses) for a pass. The passing minimum for all the courses shall be the maximum of 40% or Class Average/2.

M.10.3. The award of “S” grade in theory courses for PG programs is restricted to a maximum of 10% of the total number of students appeared for the theory courses. The award of “S” grade for laboratory courses and Project work for the PG programs is restricted to 20% of the total number of students appeared for the course. The grading structure adopted by the faculty for the course handled by him/her, is subject to the scrutiny of the PAC and subsequently by the Senate.

M.10.4. Any issues related to Grading will be decided by the HoD, in consultation with the Chairperson of the Senate.

M.10.5. The letter grades and the corresponding grade points are as follows:

Letter Grade	S	A	B	C	D	E	F	X	V
Grade Point	10	9	8	7	6	5	0	-	-

Students scoring less than the passing minimum shall be deemed to have failed and be given ‘F’ grade. ‘V’ indicates lack of required attendance. ‘X’ indicates the student has not attended the final assessment.

M.10.6. A student who earns a minimum of 5 grade points in a course is declared to have successfully completed the course.

M.11.0. Revaluation of Answer Papers

In order to ensure transparency in the evaluation of scripts of end-semester examination, those answer scripts shall be shown to the students immediately after the final exams. Once the Grades are finalized, the student will no longer have any right to verify his/her answer scripts.

The student can appeal to DAAC for any arbitration within 20 days from the date of official publication of results in the Institute Website.

M.12.0. Movement to Higher Semester

A student will be permitted to proceed to the next higher semester of a program only if the student has satisfied M.6.0.

M.12.1. Any student appearing for reassessments in any course, two years after the first appearance in that course, will be governed by the syllabus in force.

M.13.0. Program Duration

The minimum duration required for the completion of the program is 4 semesters. A student may complete the program at a slower pace by taking more time, but in any case not exceeding the maximum duration of 8 semesters.

M.13.1. The duration of each semester will normally be 90 working days (18 calendar weeks), inclusive of examination days.

M.14.0. Temporary Break of Study from the Program

A student may be permitted by the Director to withdraw from the program for an year, for reasons of ill-health or other valid reasons on the recommendation of the Head of the Department.

M.14.1. Such students who have availed temporary break and re-join shall be governed by the rules, regulations, and syllabus in force, at the time of his/her re-joining the program subject to conditions stated in M.13.0

M.15.0 Grade Cards

After the results are declared, Grade Cards will be issued to each student and will contain the list of courses (with L T P C details) for that semester and the grades obtained by the student.

M.15.1. Grade Point Average (GPA) for each semester will be calculated only for those students who have passed all the subjects of that semester. Similarly, Cumulative Grade Point Average (CGPA) up to any semester will be calculated only for those students who have passed all the subjects up to that semester. GPA is the ratio of the sum of products of the number of credits of a course (Ci) with grade points scored in that course (GPi), taken for all the courses in that semester, to the sum of the number of credits of all the courses (n) in the semester, N the total number of courses for the entire program.

$$GPA = \frac{\sum_{i=1}^n C_i * GP_i}{\sum_{i=1}^n C_i} \qquad CGPA = \frac{\sum_{i=1}^n C_i * GP_i}{\sum_{i=1}^N C_i}$$

M.16.0. Consolidated Statement of Grades

A student should have appeared for the semester examination in any particular course (mere appearance for the continuous assessment tests is not sufficient) to be eligible for the award of the grade in the course. At the end of the program, all successful students will be furnished with a consolidated statement of grades which will contain the following particulars:

- i. Grades in the courses of the semesters (inclusive of LTPC details).
- ii. CGPA, and
- iii. Classification (First class with Distinction/First class/Second class)

M.17.0. Eligibility for the Degree

A student shall be eligible for the award of the Master's degree in the appropriate program if the student has:

- i. Undergone the prescribed program of study by earning the minimum total number of credits specified in the program within the maximum duration as specified in M.13.0.
- ii. No dues to the institution, Library, Hostels, etc.
- iii. No disciplinary action pending against him/her.

M.18.0. Award of Degree

The students have to complete the prescribed courses of study and satisfy other related norms. The Senate shall, before the annual convocation, recommend the award of degree to each eligible student by name.

M.19.0. Eligibility for the Award of Institute Medal

The criterion for the institute medal winner is based on the student who obtains highest CGPA in the class graduating within the regular period. Students having highest CGPA with break shall not be considered for the purpose of award of the institute Medal.

M.20.0. Classification

After successful completion of the program, the P.G. degree will be awarded as per the following classifications based on CGPA.

- i. Students who get a CGPA of 8.5 and above and who complete the program in the minimum period, passing all the courses in the first appearance itself, will be declared to have passed in first class with distinction. For this purpose, withdrawal from examination and authorized break of study (M.14) will not be counted.
- ii. Students who get a CGPA of 6.5 and above but below 8.5 and who complete the program in the minimum period plus authorized break (M.14.0) will be declared to have passed in first class.
- iii. Students who get a CGPA of below 6.5 and who complete the program within the maximum prescribed period after joining the institute, will be declared to have passed in second class.

M.21.0. Discipline

Every student is required to observe discipline and decorous behavior both inside and outside the campus and not to indulge in any activity which will tend to bring down the prestige of the Institute.

M.21.1 General conduct of students in the examination halls / laboratories

Students should abide by the restrictions imposed by the institute from time to time.

- Possessing a mobile phone, carrying bits of paper, talking to other students, copying from others during an assessment will be treated as punishable dishonesty.

- Zero mark to be awarded for the offenders. For copying from another student, both students get the same penalty of zero mark.
- The malpractice and the award of the punishment shall be reported through the Head of the Department to the Director.

M.21.2 Any act of indiscipline of a student will be referred to a Discipline and Welfare Committee constituted by the Senate. The Committee will enquire into the charges and recommend suitable punishment as per the student code of conduct approved the senate if the charges are substantiated. The Senate will consider the recommendation of the Discipline and Welfare Committee for appropriate action. The committee will report the action taken at the next meeting of the Senate.

M.21.3 The student may appeal to the Chairperson, Senate.

M.22.0. Academic Dishonesty & Plagiarism

- i. Possessing a mobile phone, carrying bits of paper, talking to other students, copying from others during an assessment will be treated as punishable dishonesty.
- ii. Zero mark to be awarded for the offenders. For copying from another student, both students get the same penalty of zero mark.
- iii. The departmental disciplinary committee including the course faculty member, PAC chairperson and the HoD, as members shall verify the facts of the malpractice and award the punishment if the student is found guilty. The report shall be submitted to the Academic office.

M.23.0. Ragging

Ragging of any dimension is a criminal and non-bailable offence in India. The current State and Central legislations provide for stringent punishment, including Imprisonment. Once the involvement of a student is established in ragging, the offending student will be dismissed from the Institution and will not be admitted into any other Institution. Avenues also exist for collective punishment, if individuals cannot be identified in this inhuman act. Every senior student of the Institute, along with the parent, shall give an undertaking every year in this regard and this should be submitted at the time of enrolment.

M.24.0. Power to Modify

The Senate - as the Supreme academic body of the Institute - may, from time to time, revise, amend or alter the regulations, courses of study and syllabus as and when found necessary. Any other relevant rules needing urgent revisions can be framed and implemented by the Chairperson of the Senate and ratified in the subsequent Senate meeting. In case of difference of opinion regarding the interpretation of any of the regulations, the decision of the Chairperson of the Senate shall be final.

M.24.1. Notwithstanding all that has been stated earlier/elsewhere, the Senate of the Institute has the right to modify any of the above rules and regulations from time to time.