

REGULATIONS

M.Tech., M.Arch., M.Sc., M.C.A., M.B.A., M.A.

(APPLICABLE FROM 2024 BATCH ONWARDS)



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**National Institute of Technology
Tiruchirappalli – 620 015**

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Regulations

| M.1.0 Admission | | | |
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| | The qualification for admission shall be as per the criteria prescribed by the admission authority of the Ministry of Education (MoE), Government of India. | | |
| <i>M.1.1</i> | A maximum of two QIP scholars (teacher candidates recommended by the National QIP Coordinator) per programme may be admitted to selected M.Tech. and M.Arch. programmes on a full-time basis. These QIP scholars must satisfy all admission requirements as prescribed by the Institute. | | |
| <i>M.1.2</i> | <p>The criteria for admission of foreign students to PG programmes shall be as follows:</p> <ul style="list-style-type: none"> i. The admission criteria for Foreign Nationals, Persons of Indian Origin (PIOs), Non-Resident Indians (NRIs), and Overseas Citizens of India (OCI) are governed by the Direct Admission of Students Abroad (DASA) scheme of the MoE, Government of India. ii. Admission to the postgraduate programmes under the ICCR Scheme is facilitated through the Indian Council for Cultural Relations, enabling international students from partner countries to pursue advanced studies at the Institute. Eligible candidates are nominated by the respective Indian Missions abroad and their applications are processed through the ICCR A2A Portal. Upon verification of academic credentials, English proficiency, and programme-specific requirements, the Institute reviews and finalizes admissions based on merit and seat availability. | | |
| M.2.0 Structure of Postgraduate Programmes | | | |
| <i>M.2.1</i> | <i>Courses offered</i> | | |
| | <p>The Institute currently offers the following postgraduate programmes:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>Master of Technology (M.Tech.)</p> <ul style="list-style-type: none"> 1. Chemical Engineering 2. Communication Systems 3. Computer Science and Engineering 4. Construction Technology and Management 5. Data Analytics 6. Energy Engineering </td><td style="width: 50%; vertical-align: top;"> <ul style="list-style-type: none"> 13. Manufacturing Technology 14. Material Science and Engineering 15. Non-Destructive Testing 16. Power Electronics 17. Power Systems 18. Process Control and Instrumentation 19. Structural Engineering </td></tr> </table> | <p>Master of Technology (M.Tech.)</p> <ul style="list-style-type: none"> 1. Chemical Engineering 2. Communication Systems 3. Computer Science and Engineering 4. Construction Technology and Management 5. Data Analytics 6. Energy Engineering | <ul style="list-style-type: none"> 13. Manufacturing Technology 14. Material Science and Engineering 15. Non-Destructive Testing 16. Power Electronics 17. Power Systems 18. Process Control and Instrumentation 19. Structural Engineering |
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|---|---|--|
| | <p>7. Environmental Engineering 8. Geotechnical Engineering 9. Industrial Automation 10. Industrial Engineering and Management 11. Industrial Metallurgy 12. Industrial Safety Engineering</p> | <p>20. Thermal Power Engineering 21. Transportation Engineering and Management 22. VLSI System 23. Welding Engineering</p> |
| Master of Architecture (M.Arch.) | | |
| 1. Energy Efficient and Sustainable Architecture | | |
| Master of Science (M.Sc.) | | |
| <p>1. Chemistry 2. Computer Science 3. Mathematics 4. Physics</p> | | |
| Master of Computer Applications (MCA) | | |
| Master of Business Administration (MBA) | | |
| Master of Arts (MA) | | |
| 1. English | | |
| M.2.2 Curriculum Components | | |
| | <p>Every Post-Graduate programme shall have a curriculum comprising:</p> <ul style="list-style-type: none"> i. Programme Core courses (PC) ii. Programme Elective courses (PE) iii. Internship / Industrial Training / Academic Attachment (I/A) / Seminar iv. Open Elective (OE) / Online Course (OC) v. Project Work vi. Essential Laboratory Requirements (ELR) / Studio. <p>The flexible curriculum system shall apply as prescribed by the respective Boards of Studies in the curriculum and syllabi and as approved by the Senate.</p> | |
| M.2.3 Curriculum Requirements | | |
| | <p>The curriculum for all post-graduate programmes shall be designed such that the minimum total number of credits required for successful completion of the programme is as specified in the following table:</p> | |

| | Programme | Minimum Credit for the courses | Credit for Project Work | Minimum Total Credits required |
|--|---|---------------------------------------|--------------------------------|---------------------------------------|
| | M.Tech. | 56 | 24 | 80 |
| | M.Arch. | 56 | 24 | 80 |
| | M.Sc. (Chemistry & Computer Science) | 56 | 24 | 80 |
| | M.Sc. (Mathematics) | 70 | 10 | 80 |
| | M.Sc. (Physics) | 58 | 22 | 80 |
| | MCA | 106 | 14 | 120 |
| | MBA | 77 | 3 | 80 |
| | M.A | 68 | 12 | 80 |

CURRICULUM FRAMEWORK / FLEXIBLE CURRICULUM / NEP 2020

| Components | Credits | | | | | | | | | |
|--|-----------|-----------|------------------|-----------------|---------------|------------------|------------|-----------|-----------|--|
| | M.Tech | M.Arch. | M.Sc. (Chem.) | M.Sc. (Phy.) | M.Sc. (CS) | M.Sc. (Maths) | MCA | MBA | MA | |
| Programme Core (PC) | 42 | 42 | 36 | 32 | 42 | 44 | 82 | 47 | 54 | |
| Programme Elective (PE) | | | 6 | 12 | | 12 | | 30 | 9 | |
| Essential Laboratory Requirements (ELR) | 6 | 6 | 6 | 6 | 6 | 6 | 22 | 0 | 0 | |
| Internship / Industrial Training / Academic Attachment (I/A) | 2 | 2 | 2 | 2 | 2 | 2 | 2 | - | 2 | |
| Open Elective (OE) / Online Course (OC)* | 6 | 6 | 6 | 6 | 6 | 6 | | - | 3 | |
| Project Phase-I | 12 | 12 | 12 | 10 | 12 | 2 | 2 | 3 | - | |
| Project Phase-II | 12 | 12 | 12 | 12 | 12 | 8 | 12 | - | 12 | |
| Total | 80 | 80 | 80 | 80 | 80 | 80 | 120 | 80 | 80 | |

*Two courses of 3 credits each.

Note:

- For Programme Electives, students may opt to study up to two equivalent online courses (a maximum of one per semester during the first year of study) through NPTEL / SWAYAM, which shall be considered equivalent to Programme Elective courses.
- Open Electives (OE) or Online Courses (OC) shall be completed by students anytime between the 1st and 4th semesters.
- One Open Elective (OE) or one Online Course (OC) may be replaced with equivalent Microcredit course(s).

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| M.2.4 Programme Duration | |
| | <ul style="list-style-type: none"> i. The minimum duration for M.Tech., M.Arch., M.Sc., and M.A programmes is four semesters, and the maximum allowable duration is eight semesters. ii. The MCA programme requires a minimum of six semesters and must be completed within ten semesters. iii. The MBA programme requires a minimum of six trimesters and must be completed within ten trimesters. iv. Students may exceed the minimum duration but must complete the programme within the prescribed maximum duration. v. The duration of each semester will be approximately 20 calendar weeks, inclusive of examination days. For the MBA programme, each trimester shall be of approximately 12 to 13 calendar weeks in duration, inclusive of examination days. |
| M.2.5 Exit and Re-Entry Provision | |
| | Students may exit the M.Tech. programme after the successful completion of the first year, as per the existing curriculum, and shall be awarded an M.Sc. (Engg.) degree. Such students may rejoin the Institute at any time within the maximum permissible programme duration of eight semesters to complete the second year and obtain the M.Tech. degree. Under no circumstances shall a student be allowed to exceed the eight-semester limit for completion of the programme. Further, students opting to rejoin and complete the M.Tech. degree shall mandatorily complete a summer internship or an equivalent 2-credit online course. |
| M.3.0 Important Instructions | |
| M.3.1 Credit Definition | |
| | A credit is defined as 50 minutes of lecture or tutorial instruction per week or 75 minutes of practical/laboratory work per week, so a three-credit lecture course typically includes about 40 lecture hours in a session, delivered as three lecture hours per week. |
| M.3.2 Open Elective Courses | |
| | For elective courses, a student may be permitted by the Head of the Department, subject to the consent of the teacher offering the course, to take a maximum of two elective courses from the elective baskets of other Post-Graduate programmes. Furthermore, an elective course shall not be offered if ten or fewer students register for it. |
| M.3.3 Industrial Lectures | |
| | Industrial lectures shall be arranged for all courses. It is recommended that the portion of the syllabus delivered by industry experts be limited to 25% for any given course. Prior approval must be obtained from the designated committee. |

M.3.4 Summer Internship / Industrial Training

- i. Students shall undergo industrial training or internship relevant to their programme for a minimum period of six to eight weeks during the summer vacation. Attachment to an academic institution within India or abroad, or to a reputed R&D organization/laboratory, is also permitted. Registration for this course shall run concurrently with the third-semester courses.
- ii. The Institute shall provide a stipend for the duration of the attachment period, but not beyond the commencement of the semester. To be eligible for the stipend, students must submit either an attendance certificate or a performance certificate issued by the host organization/industry.
- iii. Any extension of the internship duration shall be considered on a case-by-case basis by the Dean (Academic).

M.3.5 Online Courses for PG Programmes

- i. A student may register for online courses up to a maximum of 6 credits during the entire programme of study. Such courses may be counted towards Open Electives.
- ii. Online courses of 4 weeks (1 credit), 8 weeks (2 credits), and 12 weeks (3 credits) duration shall be considered eligible.
- iii. Departments shall submit a list of approved online courses for each session before the commencement of course registration, preferably incorporating student preferences.
- iv. If a department offers online courses that are applicable to students of all departments, such courses shall be included in the department's online course list and designated as Online Open Elective Courses.
- v. No two departments shall list the same online open elective course under their respective online course offerings.
- vi. The examination date for online courses shall not extend beyond the 'closure of all classwork' date specified in the academic schedule for the session, so as to avoid conflicts with institute's final assessment dates.

M.3.6 Microcredits (Optional)

- Microcredit courses shall be considered as Open Electives (OE) / Online Courses (OC), with each course carrying 1 or 2 credits, and shall be approved for enhancing students' skills in their respective domains of interest.
- Four-week and eight-week courses offered by other programmes, or through SWAYAM and NPTEL, carrying 1 credit and 2 credits respectively, may be treated as Microcredit Open Elective courses / Microcredit Open Online Courses.
- For the purpose of credit equivalence, three 1-credit Microcredit courses, or a combination of one 1-credit and one 2-credit Microcredit

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| | <p>course, shall be considered equivalent to one 3-credit Open Elective course.</p> <ul style="list-style-type: none"> During the entire duration of the programme, a student shall be permitted to replace only one Open Elective (OE) or Online Course (OC) with Microcredit course(s). |
| M.4.0 Enrolment and Registration | |
| M.4.1 General Registration Process | |
| | Registration for a session shall be carried out during the specified week as per the academic schedule. Late registration/enrolment may be permitted, with a fine, for up to two weeks beyond the prescribed last date for registration. |
| M.4.2 Eligibility for Enrolment | |
| | A student shall be eligible for enrolment only if all dues to the Institute, Hostel, and Library have been cleared up to the end of the previous session. Additionally, the student must not have been debarred from enrolment on disciplinary grounds in any preceding session or year. |
| M.4.3 Fee Payment and Course Registration Requirements | |
| | <ol style="list-style-type: none"> Payment of fees and course registration shall be completed within three weeks from the commencement of the session. Failure to comply with this deadline will render the student ineligible to continue in the current session. The student shall select courses in consultation with his/her programme coordinator. |
| M.4.4 Prerequisite Course Completion | |
| | A student shall be deemed to have completed a prerequisite course if he/she has met the attendance requirements and has appeared for all the assessments in that course. |
| M.4.5 Online Course Registration/ Deregistration | |
| | <ol style="list-style-type: none"> Postgraduate students shall register for Online (NPTEL/SWAYAM) courses at the beginning of each session as per the academic schedule. Late registration or deregistration in MIS is permitted up to four weeks from the commencement of classwork, with payment of the prescribed fine. No changes are allowed thereafter. All registration/deregistration requests after the commencement of classwork shall be submitted to the HoD or the Departmental online course Coordinator within the four-week window, along with the prescribed fine. |
| M.5.0 Board of Studies | |
| M.5.1 Functions of the Board of Studies | |
| | The Board of Studies (BoS) is responsible for finalizing the curriculum content for each programme, as constituted under M.5.2. |

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| | <p>Key functions include:</p> <ul style="list-style-type: none"> • Formulating the content of various courses • Periodically reviewing and updating the curriculum • Introducing new courses of study as needed <p>The BoS prepares, revises, and updates course content and shall be placed before the Senate for approval.</p> |
| M.5.2 | <i>Composition of the BoS</i> |
| | <p>The composition of the Board of Studies is given below:</p> <p>(a) The Head of the Department or a Senior Professor shall serve as the Chairperson.</p> <p>(b) All Professor / Associate Professor / Assistant Professor of the Department.</p> <p>(c) One senior professor to be co-opted by the BoS from other department nominated by the Director in consultation with Head of Department (If necessary).</p> <p>(d) One subject expert (Academic) nominated by the Director on the recommendation of the Head of concerned Department. The expert shall be from IISc / IITs / NITs or other reputed Government or Government-aided academic institutions.</p> <p>(e) One subject expert (R&D / Industry) with minimum five year of experience nominated by the Director on the recommendation of the Head of concerned Department. The expert shall be from Central or State Government organizations, R&D laboratories, or industry.</p> <p>(f) In addition to the above members, One Senior Alumni (Academic / R&D / Industry) to be co-opted by the BoS nominated by the Director in consultation with Head of the Department. (If necessary). (The alumni member shall have a minimum of five years of experience in the relevant field.).</p> |
| M.5.3 | <i>Constitution and Functions of BoS</i> |
| | <ol style="list-style-type: none"> 1. The BoS shall be constituted by the department for a period of two years. 2. The meetings of the BoS shall be arranged at least once in a year. 3. The members of the BoS will be nominated by the Director from the list recommended by the Head of the department. 4. The BoS shall co-opt experts in a particular field as a member of BoS with prior approval of the Director. |
| M.5.4 | <i>Opinion by Circulations</i> |
| | <p>In case of exigency, the Chairman (BoS) / Head of the department / Director may obtain the opinion of the members of BoS by circulation of any proposal. Such opinion together with the action taken thereon shall be communicated to all the members of BoS and to the Senate.</p> |
| M.6.0 | Programme Coordinator |
| | <p>The Head of the Department shall designate a faculty member each year for every PG programme to serve as the programme coordinator. The programme coordinator shall assist students in planning their course of study and provide general guidance related to the academic programme or any other relevant activities.</p> |

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| M.7.0 Academic Committees | |
| M.7.1 Class Committee | |
| | <p>Every class of the Post-Graduate programme shall have a Class Committee constituted by the respective Head of the Department to enhance the teaching–learning process. The activities of the Class Committee shall be carried out diligently, and the minutes of its meetings shall be recorded promptly.</p> <p>a. The composition of the Class Committee shall be as follows:</p> <ul style="list-style-type: none"> i. A senior faculty member of the Department - preferably not offering any course to that class-nominated by the Head of the Department, shall serve as the Chairperson. ii. All faculty handling courses for that class, including project guides wherever applicable, shall be members. iii. Two students of the class, nominated by the Head of the Department, shall serve as student members. iv. When a course includes students from different programmes (as in the case of electives), care shall be taken to ensure that the Class Committee membership is representative of the overall class composition. <p>b. Function of Class Committee</p> <p>The Class Committee shall meet three times during each session to ensure the effective functioning of the teaching–learning process.</p> <ul style="list-style-type: none"> i. The first meeting, held within two weeks from the start of the session, reviews the overall assessment procedures. Before the session begins, each course faculty shall prepare a course plan; during this meeting, all course plans in the prescribed format are submitted to the Chairperson and the Head of the Department for approval, after which the finalized plans are uploaded to the intranet. The course plan shall outline assessment components such as assignments, quizzes, group tasks, field-visit reports, open-book tests, laboratory exercises, mini-projects, and the final assessment, along with attendance requirements, academic integrity guidelines, and study material information. Any innovative component proposed in a course plan that is not approved by the Class Committee or the Head of the Department shall be referred to the Chairperson of the Senate for further consideration. ii. The second and third meetings, to be conducted around the sixth and tenth weeks, respectively, shall focus on obtaining student feedback, facilitating constructive discussions, suggesting improvements in teaching–learning practices, and reviewing students' academic performance. iii. After each meeting, the Chairperson shall forward the minutes to the Dean (Academic) through the Head of the Department. |

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| M.7.2 Performance Analysis Committee (PAC) | |
| | The Performance Analysis Committee (PAC) will comprise the same members as the Class Committee, including the Head of the Department but excluding the student members. |
| M.7.3 Department Project Evaluation Committee (DPEC) | |
| | <ul style="list-style-type: none"> i. DPEC is constituted by the HoD at the start of each academic year. Every PG programme shall have its own DPEC, which will remain valid for the entire academic year. ii. The Department Project Evaluation Committee (DPEC) shall be constituted as follows, with all members required to hold a Ph.D. degree. The committee will be chaired by a Professor. In addition, it will include one member who may be either a Professor or an Associate Professor, and another member who may be either an Associate Professor or an Assistant Professor. iii. If a DPEC member is the project guide, they shall be substituted by another senior faculty member nominated by the Head of the Department for that student's evaluation. |
| M.8.0 Attendance Policy | |
| M.8.1 Mandatory Attendance | |
| | A minimum of 75% attendance in each course is mandatory. A maximum relaxation of 10% may be granted under the <i>On Duty (OD)</i> category. Students whose attendance falls below 65% shall not be permitted to appear for the final assessment and will be awarded a 'V' grade. |
| M.8.2 Leave and On Duty Policy | |
| | <ul style="list-style-type: none"> i. Students are eligible only for casual leave. ii. Participation in scientific events or workshops, either in India or abroad, shall be treated as <i>On Duty</i>. This policy applies to all PG programmes. iii. Any excess leave beyond the permissible limit will result in a reduction of the stipend. iv. PG students may be granted <i>On Duty</i> status (up to a maximum of 15 days per session) for attending conferences, workshops, short-term training programmes, data collection activities, field studies, and similar academic engagements. v. Students must arrange suitable alternatives for their Teaching Assistant (TA) duties within the department to avail <i>On Duty</i> status. If the duration of such activities exceeds 15 days, students shall not be eligible for a stipend for the additional period. vi. Based on the recommendation of the DPEC, the Dean (Academic) may extend the permissible <i>On Duty</i> period for data collection and field studies up to one month per session. |
| M.9.0 System of Assessments | |
| M.9.1 Assessments for Theory / Laboratory / Studio Courses | |
| | <ul style="list-style-type: none"> i. Each course shall have assessments conducted in accordance with the Course Plan prepared by the faculty member handling the |

| | <p>course. All assessments shall align with the defined course learning outcomes. Normally, both question paper setting and valuation of answer scripts for all assessments shall be carried out by the course teacher. However, the Chairperson of the Senate reserves the discretion to appoint another faculty member or an external examiner for question paper setting or valuation of answer scripts for any course.</p> <p>ii. The weightages for the various courses shall be as follows:</p> | | | | | | | | |
|--------------------------------|---|------------|---------------|--------------------------------|-------|------------------|-------|--------------|------------|
| | <table border="1"> <thead> <tr> <th>Assessment</th><th>Weightage (%)</th></tr> </thead> <tbody> <tr> <td>Assessments during the session</td><td>50-70</td></tr> <tr> <td>Final assessment</td><td>50-30</td></tr> <tr> <td>Total</td><td>100</td></tr> </tbody> </table> | Assessment | Weightage (%) | Assessments during the session | 50-70 | Final assessment | 50-30 | Total | 100 |
| Assessment | Weightage (%) | | | | | | | | |
| Assessments during the session | 50-70 | | | | | | | | |
| Final assessment | 50-30 | | | | | | | | |
| Total | 100 | | | | | | | | |
| | <p>iii. The number of assessments for a theory course shall range from 4 to 6, while the number of assessments for a laboratory course shall range from 2 to 6.</p> <p>iv. For other courses, the number of assessments shall range from 1 to 6.</p> <p>v. Every theory course shall have a final assessment of 3 hours duration covering the entire syllabus, with a minimum weightage of 30%.</p> | | | | | | | | |

M.9.2 Project Work Assessment Guidelines

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| | <ul style="list-style-type: none"> i. The continuous evaluation of the project work shall be conducted by the DPEC. ii. The last date for submission of the thesis for the first phase of M.Tech. and M.Arch. project work is 31st December (or the last working day of December), and the viva voce shall be scheduled during the first or second week of January. The last date for submission of the thesis for the second phase of M.Tech. and M.Arch., and for IV semester M.Sc., M.A., and MCA project work, is 31st May (or the last working day of May), with the viva voce scheduled during the first or second week of June. iii. A panel of external examiners shall be prepared by the Head of the Department based on the list of examiners recommended by all the guides. The panel must be approved by the Dean (Academic) or his/her nominee. External examiners may be allotted to groups of at least five students each, depending on the project area. iv. External examiners shall be chosen from among faculty members of IITs, IISc, NITs, reputed government/government-aided institutions, or scientists from central laboratories. Retired faculty or scientists from these institutions who are currently serving elsewhere may also be included in the panel. v. Project work scheduling <ul style="list-style-type: none"> • M.Tech., M.Arch., and M.Sc.: Project Phase I and Project Phase II shall be carried out in the III and IV semesters. |
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| | <ul style="list-style-type: none"> • MCA: Project Phase I and Project Phase II shall be undertaken in the V and VI semesters. • MBA: An 8-week Summer Project shall be completed at the end of the first year during the vacation. • M.A.: The Project work shall be carried out in the IV semester. |
| vi. | Students who fail to submit their thesis work or attend the final viva voce examination for Project Work Phases I and II due to genuine reasons may receive a 'X' grade during the final viva voce examination. Subsequently, he / she shall be permitted to fulfil the requirements through reassessment, which must be completed within one month after the stipulated time. |
| vii. | Further, the student shall be awarded a suitable grade (ranging from S to F), considering all the assessments (including the Reassessment). |
| viii. | Defaulters, other than those specified, shall be provided with a two-month extension to fulfil the requirements. These students shall achieve a maximum grade of "D" in project work. If the requirements are not met within this extension, a grade of "V" shall be assigned. Following this, the student will be permitted to redo the project work. |
| ix. | The student request other than those mentioned above shall be dealt with case-by-case basis by the Dean (Academic) upon the recommendations of the DPEC and HoD. |

M.9.3 Project Work Assessment (M.Tech. / M.Arch)

| | |
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| | <ol style="list-style-type: none"> i. A preliminary review of the topics chosen by the students is to be conducted at the end of July every year. All the faculty of the department shall be present for the preliminary review. There is no evaluation for this review. The respective guides may apprise the DPEC about the scope of the work and the expectation of the outcome. ii. Each project phase shall include three reviews: Review I, Review II, and Review III, as part of continuous evaluation. iii. The end semester project phase I viva-voce shall be examined by an examiner from the same / allied department and the guide together. The external examiner for phase I is optional. iv. The end-semester project phase II viva-voce shall be examined by the external examiner and the guide together. v. The break-up of project evaluation in Phase I and Phase II of the project work is as follows: |
|--|---|

| Continuous Evaluation (Phase I and II) | | Assessment Name | Weightage (%) | Schedule* |
|---|--|------------------------|----------------------|---|
| | | Review I | 10 | 5 th Week |
| | | Review II | 20 | 10 th Week |
| Viva Voce Examination | | Assessment Name | Weightage (%) | Schedule |
| | | Phase I Viva Voce | 50 | 1 st / 2 nd week of January |
| | | Phase II Viva Voce | 50 | 1 st / 2 nd week of June |

*From the date of the Institute reopening

The weightage for phase I & II of the project

| Phase I | | Phase II | |
|-----------------------------|----------------------|-------------------------------|----------------------|
| Assessment Parameter | Weightage (%) | Assessment Parameter | Weightage (%) |
| Review I: | | | |
| Identification of title | 5 | Time schedule / plan | 5 |
| Literature Survey / Scope | 5 | Innovation in work | 5 |
| Review II: | | | |
| Methodology adopted | 5 | Intermediate results | 10 |
| PPT presentation | 10 | PPT presentation | 5 |
| Answers to queries | 5 | Answers to queries | 5 |
| Review III: | | | |
| Results obtained | 10 | Further results/work | 10 |
| PPT presentation | 5 | PPT presentation | 5 |
| Answers to queries | 5 | Answers to queries | 5 |
| Project Viva Voce | | | |
| Project report | 15 | Project Viva Voce | |
| PPT presentation | 5 | Project report | 15 |
| Presentation skills | 5 | Project outcome (conclusions) | 5 |
| Viva-Voce | 25 | Presentation | 5 |
| | | Viva-Voce | 25 |

M.9.4 Project Work Assessment (M.Sc. / MCA / M.A)

| | The end-semester project viva-voce shall be conducted by a panel comprising the DPEC and an external examiner. The assessment structure shall be as follows: | | | | | | | | | | |
|---|---|-------------------|----------------------|---------------------------------|--|---|----|---|----|--|----|
| | <table border="1"> <thead> <tr> <th>Assessment</th> <th>Weightage (%)</th> </tr> </thead> <tbody> <tr> <td colspan="2">a) Continuous Assessment</td></tr> <tr> <td>i. Based on two presentations / one presentation and one report, by the student before the DPEC</td><td>25</td></tr> <tr> <td>ii. Based on the evaluation of the final project report by the internal guide</td><td>25</td></tr> <tr> <td>b) Final assessment: (Project presentation and Viva voce)</td><td>50</td></tr> </tbody> </table> | Assessment | Weightage (%) | a) Continuous Assessment | | i. Based on two presentations / one presentation and one report, by the student before the DPEC | 25 | ii. Based on the evaluation of the final project report by the internal guide | 25 | b) Final assessment: (Project presentation and Viva voce) | 50 |
| Assessment | Weightage (%) | | | | | | | | | | |
| a) Continuous Assessment | | | | | | | | | | | |
| i. Based on two presentations / one presentation and one report, by the student before the DPEC | 25 | | | | | | | | | | |
| ii. Based on the evaluation of the final project report by the internal guide | 25 | | | | | | | | | | |
| b) Final assessment: (Project presentation and Viva voce) | 50 | | | | | | | | | | |

M.9.5 Project Work Assessment (MBA)

Summer Project: The summer project shall be evaluated in the fourth trimester, and the final assessment, comprising the project presentation and viva-voce, shall be conducted by the external examiner and the project guide together.

| Assessments | Weightage (%) |
|---|----------------------|
| a) Assessments by the guide during the session | |
| i. Reporting and follow-up of the Summer Project | 25 |
| ii. Final Project report evaluation | 25 |
| b) Final assessment (Project presentation and Viva voce) | 50 |
| Total | 100 |

M.9.6 Project Work at External Organizations / Industries

- i. M.Tech./M.Arch. students who wish to undertake their one-year project work as interns in industries or research institutions, either in India or abroad, may do so with the prior approval of the Project Supervisor, the Head of the Department, and the Dean (Academic).
- ii. Such students may present their progress reviews and the Phase I viva-voce examination through video conferencing. They must submit a soft copy of the progress report before each review and a soft copy of the Phase I project thesis, duly certified by the external supervisor.
- iii. However, submission of a hard copy of the Phase II project thesis on or before the prescribed deadline is mandatory, and students must be physically present for the Phase II viva-voce examination as per the PG regulations.
- iv. Students undertaking project work outside the Institute, whether in an industry or any external organization, shall not be eligible for a stipend during the attachment period. All communication with the host industry or organization must be completed before obtaining the No Objection Certificate (NOC) from the Institute.

M.9.7 Summer Internship / Industrial Training Evaluation

- i. A report shall be submitted to the Programme Coordinator, and evaluation (2 credits) will be based on the report and presentation. The evaluation shall be conducted by the DPEC of the programme.
- ii. The evaluation may comprise one to six assessment components, depending on the department's evaluation framework.
- iii. The entire evaluation process shall be completed within 30 days from the commencement of the semester.

M.9.8 Project Work during Pre-placement Training

- i. Students opting for internships as part of their pre-placement training for full-time employment during Phase II must continue their

| | |
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| | <p>Phase I project work within the host organization. In effect, the Phase II project shall be an extension of the Phase I project.</p> <ul style="list-style-type: none"> ii. Students may undertake internships as part of their pre-placement training during both Phase I and Phase II of the project work. However, the project pursued during the internship must be relevant to their programme of study. iii. The project evaluation shall be carried out by the Department Project Evaluation Committee (DPEC), with the inclusion of co-opted experts from other departments and an external member from the host organization. |
| M.9.9 | <i>Compensation Assessment</i> |
| | <p>Only one instance of absence in continuous assessments is permitted, and accordingly, only one compensation assessment will be conducted. To appear for the compensation assessment, students must provide the following documents:</p> <ul style="list-style-type: none"> i. A medical certificate clearly indicating the student's unfitness or requirement for rest on the day of the assessment, issued exclusively by the Medical Officer of the institute Hospital. ii. For off-campus institute-level sports activities, an official letter must be submitted from the Sports (SAS) Officer or the Associate Dean (Students' Welfare). iii. For participation in technical events such as IEEE, ASCE, ASME conferences, or similar activities, students must submit supporting documents endorsed by the Class Committee Chairperson and the Head of the Department. iv. Genuine requests arising from family emergencies, placement activities, or other unforeseen circumstances, when recommended by the Class Committee Chairperson and the HoD, will also be considered for compensation assessment. |
| M.9.10 | <i>Course Feedback</i> |
| | <p>Students shall submit their course feedback online and download their hall ticket on the date specified in the academic schedule or as notified at the end of each session.</p> |
| M.10.0 | <i>Grading Policy</i> |
| M.10.1 | <i>General Grading System</i> |
| | <ul style="list-style-type: none"> i. The Institute follows a relative grading system to determine the grade ranges. All course assessments are evaluated based on marks. Absolute grading will be adopted when the number of students in a theory course is fewer than 10. |
| M.10.2 | <i>Passing Criteria</i> |
| | <ul style="list-style-type: none"> i. To pass a course, a student must score at least 30% in the final assessment. The overall passing minimum for any course shall be the maximum of 35% or Class Average/2. |

ii. Students are encouraged to have at least one publication in a reputed journal or conference before completing Phase II of the project work.

iii. The award of the “S” grade in theory courses for PG programmes is limited to a maximum of 10% of the students who appeared for the course. For laboratory courses, internships, and project work, the “S” grade is capped at 20%. The grading pattern followed by a faculty member is subject to review by the PAC and subsequently by the Senate.

iv. A student is considered to have successfully completed a course if he/she earns a minimum of 5 grade points (i.e., Grade E or above).

v. Any grading-related issues shall be resolved by the Dean (Academic), in consultation with the Chairperson of the Senate.

M.10.3 Letter Grades and Grade Points

The letter grades and corresponding grade points are:

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

Students who score below the passing minimum will be deemed to have failed and will be awarded an ‘F’ grade. A ‘V’ grade denotes insufficient attendance, while an ‘X’ grade indicates that the student did not appear for the final assessment.

M.10.4 Absolute Grading

For absolute grading, the mark ranges and corresponding letter grades are as follows:

| Absolute Grading | |
|--|----------------------------|
| Mark Range | Grade to be Awarded |
| 91-100 | S |
| 81-90 | A |
| 71-80 | B |
| 61-70 | C |
| 51-60 | D |
| Maximum of (35% or Class Average/2)-50 | E |
| < Maximum of (35% or Class Average/2) | F |

M.10.5 Online Course Grading policy

The following grading policy for online course shall apply to all PG programmes.

| Type of Certificate | Score | Equivalent Grade (For NIT-T) |
|------------------------|---------|------------------------------|
| Elite with Gold | >=90 | S |
| Elite with Silver | 75 - 89 | A |
| Elite | >=60 | B |
| Successfully Completed | 40 - 59 | C |
| No Certificate | <40 | V |

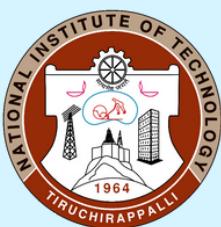
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| M.11.0 Performance Analysis Committee (PAC) Meeting | |
| | <p>The Performance Analysis Committee (PAC) meeting shall be held within one week after the last day of the final assessment to review student performance across all courses, finalize the grade ranges for each course, and submit the grade statements along with the attendance register to the Academic Office through the Head of the Department without delay.</p> <p>The PAC is responsible for ensuring that grade clustering, grading, and pass-fail decisions are fair and balanced. The Dean (Academic), or a duly authorized Associate Dean, will review the grade statements and attendance records. If any issues arise that cannot be resolved by the Dean (Academic), the Chairperson of the Senate is authorized to take appropriate action.</p> |
| M.12.0 Declaration of Results | |
| | <p>The results will be submitted to the Senate for approval and then officially declared. In case of any discrepancy, the Chairperson of the Senate is authorized to take appropriate action.</p> |
| M.13.0 Revaluation and Supplementary Procedures | |
| M.13.1 Retention of Answer Papers | <p>After valuation, the answer scripts of final assessment shall be retained by the respective faculty (examiner). During the first week of the following session, the faculty shall make these answer scripts (for theory courses only) available to the students in their presence. Students who have concerns regarding their valuation may approach the concerned faculty within three weeks from the start of the session immediately following the declaration of results.</p> |
| M.13.2 Revaluation | <p>Revaluation is applicable only to theory courses and excludes laboratory courses, internships, and viva-voce (project work) assessments. Students have the right to view their end-semester examination answer papers, which may be shown to them by the concerned teacher(s). If the teacher considers the request genuine, they may review the case and, if warranted, submit a revised grade to the Dean (Academic) through the Head of the Department and the Performance Analysis Committee.</p> |
| M.13.3 Supplementary Examinations | <ol style="list-style-type: none"> i. Students who receive an 'F' or 'X' grade and have satisfactory attendance in the course are eligible to appear for the Supplementary Examination. ii. Supplementary Examinations are typically held during a designated week in subsequent semesters and will be scheduled by the Academic Office. iii. The examination will be conducted by the faculty who taught the course or a faculty member nominated by the Head of the Department. |

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| | <p>iv. Students must register for courses in which they have received an 'F' or 'X' grade and pay the prescribed examination fee to appear for the Supplementary Examination.</p> <p>v. The Supplementary Examination will carry 100% weightage, with absolute grading applied and a passing minimum of 35%.</p> <p>vi. If a student fails the Supplementary Examination, they must continue to reappear until they pass the course.</p> <p>vii. Students appearing for Supplementary Examinations or reassessments more than two years after their first attempt in a course will be evaluated according to the syllabus currently in effect.</p> |
| M.13.4 | <i>Course Repetition</i> |
| | Students who receive a 'V' grade are required to repeat the course. |
| M.14.0 | Grade Cards and Transcript |
| M.14.1 | <i>Grade Cards</i> |
| | <p>After the results are declared, each student will receive a Grade Card detailing the courses taken during that session (including L T P C information) along with the grades earned.</p> <p>The Semester Grade Point Average (SGPA) for a semester will be calculated only for students who have passed all courses in that session. SGPA is calculated as the ratio of the sum of the products of each course's credits (C_i) and the grade points earned (GP_i) to the total credits of all courses (n) taken in that session. Here, N represents the total number of courses in the entire programme.</p> $SGPA = \frac{\sum_{i=1}^n c_i^* GP_i}{\sum_{i=1}^n c_i}$ $CGPA = \frac{\sum_{i=1}^N c_i^* GP_i}{\sum_{i=1}^N c_i}$ |
| M.14.2 | <i>Transcript</i> |
| | <p>A student must have appeared for the semester examination in a course (mere participation in continuous assessment tests is not sufficient) to be eligible for a grade in that course. Upon completion of the programme, all successful students will receive a transcript, which will include:</p> <ul style="list-style-type: none"> • Grades for all courses taken in each semester (along with LTPC details) • Semester Grade Point Average (SGPA) • Cumulative Grade Point Average (CGPA) • Degree classification (First Class with Distinction / First Class / Second Class) |

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| M.15.0 Temporary Break from the Programme | |
| M.15.1 Temporary Break | |
| | <ul style="list-style-type: none"> i. Upon recommendation from the Head of the Department, the Dean (Academic) may grant a student a one-year leave of absence from the programme for reasons such as health issues, job opportunities with the Government or PSUs, or other valid grounds. ii. Requests for such leave will be considered on a case-by-case basis by the Dean (Academic), based on recommendations from the Head of the Department. |
| M.15.2 Re-joining after Temporary Break | |
| | <ul style="list-style-type: none"> i. Students who take a temporary break and subsequently rejoin the programme will be governed by the rules, regulations, and syllabus in effect at the time of rejoining, subject to the maximum permissible duration of the programme. ii. Students granted a temporary break must physically return to the institute to resume their coursework. iii. Students who took a break due to health reasons shall be eligible to receive the stipend for the remaining duration of their studies upon re-enrollment. |
| M.15.3 Break Due to Government/PSU Employment | |
| | <p>Students who take a break due to securing employment with the Government or a PSU may either continue their project work at their organization under an external supervisor or return to the institute after the authorized break to complete programme requirements. Such students will not be eligible for stipend during the project work or upon resuming the programme. To fulfill programme requirements, these students must obtain a No Objection Certificate (NOC) from their employer to meet the requirement in M.9.3(v).</p> |
| M.15.4 Early Joining for Government / PSU Job | |
| | <p>The student may be allowed by the Dean (Academic), with the recommendation of the guide, DPEC, and Head of the Department, to join a job in Government or PSUs one or two months prior to the Phase II thesis submission deadline, subject to verification that the student has satisfactorily completed the assigned project work.</p> |
| M.16.0 Eligibility, Classification, and Institute Medal for the Award of PG Degree | |
| M.16.1 Eligibility for the Award of PG Degree | |
| | <ul style="list-style-type: none"> i. A student shall be eligible to receive the Master's degree in the respective programme if they have: <ul style="list-style-type: none"> a. Completed the prescribed programme of study by earning the minimum required credits within the maximum permissible duration of the programme. b. Cleared all dues to the Institute, Library, Hostels, and other related facilities. c. No pending disciplinary actions against them. |

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| | <p>ii. Students must fulfill all prescribed coursework and other applicable requirements. The Senate shall recommend the award of the degree to all eligible students by name prior to the annual convocation.</p> |
| M.16.2 | <i>Classification of the award of the PG Degree</i> |
| | <p>Upon successful completion of the programme, the PG degree will be awarded under the following classifications based on the CGPA:</p> <ul style="list-style-type: none"> i. Students who achieve a CGPA of 8.5 or above, complete the programme within the minimum duration, and pass all courses on their first attempt will be declared as passing with First Class with Distinction. For this classification, withdrawals from examinations and authorized breaks of study (as per M.15.0) will not be considered. ii. Students who attain a CGPA of 6.5 or above but below 8.5 and complete the programme within the minimum duration plus any authorized breaks (as per M.15.0) will be declared as passing with First Class. <p>Students who obtain a CGPA below 6.5 and complete the programme within the maximum prescribed duration will be declared as passing with Second Class.</p> |
| M.16.3 | <i>Criteria for the Institute Medal Winner</i> |
| | <p>The Institute Medal will be awarded to the student who achieves the highest CGPA in the graduating class, provided they complete the programme within the regular duration. Students with the highest CGPA who have taken an authorized break will not be eligible for the Institute Medal.</p> |
| M.17.0 Discipline | |
| M.17.1 | <i>General Discipline</i> |
| | <p>Every student must maintain discipline and exhibit proper conduct both on and off campus, refraining from any actions that could harm the reputation of the Institute.</p> |
| M.17.2 | <i>Conduct in Examination Halls and Laboratories</i> |
| | <ul style="list-style-type: none"> i. Students must adhere to all rules and restrictions established by the Institute from time to time. ii. Possession of mobile phones, carrying unauthorized notes, communicating with other students, or copying during assessments will be considered academic dishonesty and punishable. iii. Offenders will receive zero marks for the assessment. In cases of copying, both the student copying and the student from whom copying occurred will be penalized with zero marks. iv. All cases of malpractice and the corresponding penalties shall be reported by the Head of the Department to the Academic Office. |
| M.17.3 | <i>Disciplinary Proceedings</i> |
| | <ul style="list-style-type: none"> i. Any act of indiscipline by a student shall be referred to the Discipline and Welfare Committee constituted by the Senate. The Committee will investigate the charges and, if substantiated, |

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| | <p>recommend appropriate punishment in accordance with the student code of conduct approved by the Senate. The Senate will review the Committee's recommendations and take suitable action. The Committee will report the actions taken at the next Senate meeting.</p> <p>ii. The student has the right to appeal to the Chairperson of the Senate.</p> |
| M.17.4 Academic Dishonesty & Plagiarism | |
| | <p>i. Possession of a mobile phone, carrying unauthorized notes, communicating with other students, or copying during an assessment shall be considered an act of academic dishonesty and is punishable.</p> <p>ii. Offenders will be awarded zero marks. In cases of copying, both the student who copied and the student from whom the copying occurred will receive zero marks.</p> <p>iii. The Departmental Disciplinary Committee, comprising the course faculty member, the Chairperson of the Performance Analysis Committee (PAC), and the Head of the Department, will investigate the incident. If the student is found guilty, appropriate punishment will be imposed, and the report will be submitted to the Academic Office.</p> |
| M.17.5 Ragging | |
| | <p>Ragging in any form is a criminal and non-bailable offense in India. Both State and Central laws prescribe stringent punishments, including imprisonment, for those found guilty. If a student is found involved in ragging, they will be expelled from the Institute and barred from admission to any other institution. Collective punishment may also be imposed if individual offenders cannot be identified in such cases. Every senior student, along with their parent or guardian, must submit a signed undertaking against ragging annually at the time of enrollment.</p> |
| M.18.0 Power to Modify | |
| | <p>The Senate, as the supreme academic authority of the Institute, may periodically revise, amend, or modify regulations, courses of study, and syllabi as deemed necessary. Urgent revisions to other relevant rules may be framed and implemented by the Chairperson of the Senate, subject to ratification at the next Senate meeting. In the event of any disagreement over the interpretation of regulations, the decision of the Chairperson of the Senate shall be final and binding.</p> |
| M.18.1 | <p>Notwithstanding any provisions stated previously or elsewhere, the Senate of the Institute reserves the right to modify any of the aforementioned rules and regulations from time to time.</p> |



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