

# **Regulations**

## **B.Tech.**

**(APPLICABLE FROM 2024 BATCH ONWARDS)**



**NATIONAL INSTITUTE OF TECHNOLOGY  
TIRUCHIRAPPALLI - 620 015**

**[www.nitt.edu](http://www.nitt.edu)**

## Contents

<b>B.1.0</b>	<b>ADMISSION .....</b>	<b>1</b>
<b>B.2.0</b>	<b>STRUCTURE OF THE B.TECH. PROGRAMME .....</b>	<b>1</b>
B.2.1	Credits Requirement .....	1
B.2.2	Curriculum Structure and Credit Distribution .....	1
B.2.3	The General Institute Requirement (GIR).....	2
B.2.4	Programme Core (PC).....	2
B.2.5	Programme Electives (PE) .....	2
B.2.6	TRACKS for Programme Electives.....	3
B.2.7	Essential Laboratory Requirements (ELR) .....	3
B.2.8	Open Electives (OE) .....	3
B.2.9	Online Courses (OC) .....	3
B.2.10	Microcredit Courses (MO / MC) .....	4
B.2.11	NCC / NSO / NSS.....	4
B.2.12	Exit and Re-Entry Provision.....	4
<b>B.3.0</b>	<b>IMPORTANT INSTRUCTIONS .....</b>	<b>4</b>
<b>B.4.0</b>	<b>COURSE ENROLMENT AND REGISTRATION .....</b>	<b>5</b>
B.4.1	Late Enrolment, Course Registration / Deregistration.....	5
B.4.2	Prerequisite Requirements .....	5
B.4.3	Course Dropping.....	6
B.4.4	Additional Course Registration .....	6
B.4.5	Backlog Credit Limit.....	6
B.4.6	Registration of Electives (PE / OE).....	6
B.4.7	Registration of Online Courses (OC).....	6
B.4.8	Registration of Microcredit Courses (MO / MC) .....	7
B.4.9	De-registration for 'F' and 'X' Grades in Elective Courses .....	7
B.4.10	De-registration for Minor and Honours Courses.....	7
<b>B.5.0</b>	<b>BOARD OF STUDIES.....</b>	<b>7</b>
B.5.1	Board of Studies for GIR courses .....	8
B.5.2	Board of Studies for Non-GIR courses .....	8
B.5.3	Functions of the Board of Studies (BoS) .....	9
B.5.4	BoS Decision-Making in Exigency.....	9
<b>B.6.0</b>	<b>ACADEMIC MENTOR AND ACADEMIC COMMITTEES .....</b>	<b>9</b>
B.6.1	Academic Mentor .....	9
B.6.2	Class Committee .....	9
B.6.3	Functions of the Class Committee.....	9
B.6.4	Performance Analysis Committee (PAC) .....	10
B.6.5	Functions and Responsibilities of PAC.....	10
B.6.6	Department Project Evaluation Committee .....	11
B.6.7	Functions and Responsibilities of DPEC .....	11
<b>B.7.0</b>	<b>ATTENDANCE POLICY .....</b>	<b>11</b>
B.7.1	Attendance Requirements for Courses .....	11
B.7.2	Attendance Requirements for NCC / NSO / NSS.....	11
<b>B.8.0</b>	<b>SYSTEM OF ASSESSMENTS .....</b>	<b>12</b>
B.8.1	Assessment Weightage .....	12
B.8.2	Compensation Assessment.....	13
B.8.3	Comprehensive Examination.....	13
B.8.4	Final Assessment .....	13
B.8.5	Industrial Lecture Evaluation .....	13
B.8.6	Internship / Industrial Training Evaluation .....	14
B.8.7	Study Abroad / Exchange Program / Academic Attachments .....	14
B.8.8	Project Evaluation.....	14

B.8.9	Completion of Pending Courses for ICCR and SII Students .....	14
B.8.10	Course Feedback Requirement.....	15
<b>B.9.0</b>	<b>GRADING POLICY AND GUIDELINES .....</b>	<b>15</b>
B.9.1	Relative Grading .....	15
B.9.2	Absolute Grading.....	15
B.9.3	Grading of Online Courses .....	16
B.9.4	Grading for NCC / NSO / NSS Activities .....	16
<b>B.10.0</b>	<b>DECLARATION OF RESULTS .....</b>	<b>16</b>
<b>B.11.0</b>	<b>REVALUATION.....</b>	<b>16</b>
B.11.1	Reviewing of Answer Papers.....	16
B.11.2	Forwarding of Revised Grades .....	17
B.11.3	Grievance Redressal .....	17
<b>B.12.0</b>	<b>RETENTION OF ANSWER SCRIPTS .....</b>	<b>17</b>
<b>B.13.0</b>	<b>SUPPLEMENTARY EXAMINATION .....</b>	<b>17</b>
B.13.1	Scheduling and Conduct .....	17
B.13.2	Evaluation and Reappearance .....	17
<b>B.14.0</b>	<b>COURSE REPETITION.....</b>	<b>17</b>
<b>B.15.0</b>	<b>CONTACT COURSES FOR GIR / PC .....</b>	<b>17</b>
B.15.1	Eligibility .....	18
B.15.2	Registration.....	18
B.15.3	Evaluation and Grading .....	18
<b>B.16.0</b>	<b>FORMATIVE ASSESSMENT .....</b>	<b>18</b>
B.16.1	Eligibility .....	18
B.16.2	Registration.....	18
B.16.3	Evaluation and Grading .....	18
<b>B.17.0</b>	<b>ACADEMIC PERFORMANCE INDICATORS .....</b>	<b>19</b>
B.17.1	SGPA and CGPA Calculation.....	19
B.17.2	Grade Cards .....	19
B.17.3	Transcript.....	19
<b>B.18.0</b>	<b>TEMPORARY BREAK FROM THE PROGRAM .....</b>	<b>20</b>
<b>B.19.0</b>	<b>MAXIMUM DURATION OF THE PROGRAMME .....</b>	<b>20</b>
<b>B.20.0</b>	<b>CLASSIFICATION, ELIGIBILITY, AND WITHDRAWAL OF THE B.TECH. DEGREE .....</b>	<b>20</b>
B.20.1	Classification of the B.Tech. Degree .....	20
B.20.2	Eligibility for the Award of the B.Tech. Degree .....	20
B.20.3	Eligibility for the Award of the B.Tech. (Honours) Degree.....	21
B.20.4	Eligibility for the Award of the Minors .....	21
B.20.5	Criteria for the Institute Medal .....	21
B.20.6	Withdrawal of Degree .....	21
<b>B.21.0</b>	<b>DISCIPLINE .....</b>	<b>21</b>
B.21.1	Conduct During Examinations and Laboratory Sessions .....	22
B.21.2	Disciplinary Action .....	22
B.21.3	Ragging .....	22
<b>B.22.0</b>	<b>SCHOLARSHIPS AND TUITION FEE EXEMPTION .....</b>	<b>22</b>
<b>B.23.0</b>	<b>POWER TO MODIFY .....</b>	<b>22</b>

## Regulations

<b>B.1.0 Admission</b>																																			
	Eligibility for admission to the B.Tech. programmes shall be governed by the rules and criteria prescribed by the admission authority under the Ministry of Education (MoE), Government of India.																																		
<b>B.2.0 Structure of the B.Tech. Programme</b>																																			
	The institute offers the following B.Tech. programmes: <ul style="list-style-type: none"><li>• Chemical Engineering</li><li>• Civil Engineering</li><li>• Computer Science and Engineering</li><li>• Electrical and Electronics Engineering</li><li>• Electronics and Communication Engineering</li><li>• Instrumentation and Control Engineering</li><li>• Mechanical Engineering</li><li>• Metallurgical and Materials Engineering</li><li>• Production Engineering</li></ul>																																		
<b>B.2.1 Credits Requirement</b>																																			
	Each B.Tech. programme is structured with a total credit requirement ranging from 160 to 163 credits. The exact credit requirement for each programme is specified in its respective approved curriculum.																																		
<b>B.2.2 Curriculum Structure and Credit Distribution</b>																																			
	Each B.Tech. programme follows a structured curriculum comprising the following course categories: General Institute Requirements (GIR), Programme Core (PC), Programme Electives (PE), Open Electives (OE), and Essential Laboratory Requirements (ELR). The overall credit distribution across these categories is detailed below:																																		
	<table><thead><tr><th>Course Category</th><th>Courses</th><th>No. of Credits</th><th>Weightage (%)</th></tr></thead><tbody><tr><td>General Institute Requirements (GIR)</td><td>22</td><td>56</td><td>35</td></tr><tr><td>Programme Core (PC)</td><td>15</td><td>52 – 55</td><td>33</td></tr><tr><td>Programme Elective (PE) / Open Elective (OE)</td><td>12</td><td>36</td><td>22</td></tr><tr><td>Essential Laboratory Requirements (ELR)</td><td>8</td><td>16</td><td>10</td></tr><tr><td>Total</td><td>58</td><td>160+3</td><td>100</td></tr><tr><td>Minor (Optional)</td><td>Courses for 15 credits</td><td>15 Additional credits</td><td>-</td></tr><tr><td>Honours (Optional)</td><td>Courses for 15 credits</td><td>15 Additional credits</td><td>-</td></tr></tbody></table>	Course Category	Courses	No. of Credits	Weightage (%)	General Institute Requirements (GIR)	22	56	35	Programme Core (PC)	15	52 – 55	33	Programme Elective (PE) / Open Elective (OE)	12	36	22	Essential Laboratory Requirements (ELR)	8	16	10	Total	58	160+3	100	Minor (Optional)	Courses for 15 credits	15 Additional credits	-	Honours (Optional)	Courses for 15 credits	15 Additional credits	-		
Course Category	Courses	No. of Credits	Weightage (%)																																
General Institute Requirements (GIR)	22	56	35																																
Programme Core (PC)	15	52 – 55	33																																
Programme Elective (PE) / Open Elective (OE)	12	36	22																																
Essential Laboratory Requirements (ELR)	8	16	10																																
Total	58	160+3	100																																
Minor (Optional)	Courses for 15 credits	15 Additional credits	-																																
Honours (Optional)	Courses for 15 credits	15 Additional credits	-																																

<b>B.2.3 The General Institute Requirement (GIR)</b>																													
	<p>The General Institute Requirement (GIR) shall comprise a prescribed set of foundational courses and training components that are common to all B.Tech. programmes of the Institute. The GIR is intended to provide every student with essential knowledge in the basic sciences, engineering fundamentals, laboratory practices, humanities and social sciences, programme-related introductory competencies, and training and outreach activities.</p> <p>The General Institute Requirement (GIR) includes the following courses:</p> <table border="0"> <tr> <td>Foundational Science Courses</td><td>Humanities and Social Sciences</td></tr> <tr> <td>• Mathematics</td><td>• English for Communication</td></tr> <tr> <td>• Physics</td><td>• Industrial Economics</td></tr> <tr> <td>• Chemistry</td><td>Programme-Related Courses</td></tr> <tr> <td>Laboratory Courses</td><td>• Branch-Specific Course<sup>\$</sup></td></tr> <tr> <td>• Physics Laboratory</td><td>• Professional Ethics</td></tr> <tr> <td>• Chemistry Laboratory</td><td>• Project Work</td></tr> <tr> <td>• Language Laboratory</td><td>• Comprehensive Viva</td></tr> <tr> <td>Engineering Fundamentals</td><td>• Industrial Lecture</td></tr> <tr> <td>• Engineering Graphics</td><td>Training and Outreach Activities</td></tr> <tr> <td>• Engineering Practice</td><td>• Summer Internship</td></tr> <tr> <td>• Basic Engineering</td><td>• NCC / NSO / NSS</td></tr> <tr> <td>• Introduction to Computer Programming</td><td></td></tr> <tr> <td>• Energy and Environmental Engineering</td><td></td></tr> </table> <p><sup>\$</sup> The branch specific course can also be Offered by Industrial Experts / Alumni</p> <p>A Board of Studies for General Institute Requirement (GIR) courses shall be constituted and convened by the Dean (Academic). This Board shall have exclusive authority over the scheduling, offering, sequencing, and approval of syllabi for all GIR courses. The decisions of this Board shall be mandatory and binding for all B.Tech. programmes of the Institute.</p>	Foundational Science Courses	Humanities and Social Sciences	• Mathematics	• English for Communication	• Physics	• Industrial Economics	• Chemistry	Programme-Related Courses	Laboratory Courses	• Branch-Specific Course <sup>\$</sup>	• Physics Laboratory	• Professional Ethics	• Chemistry Laboratory	• Project Work	• Language Laboratory	• Comprehensive Viva	Engineering Fundamentals	• Industrial Lecture	• Engineering Graphics	Training and Outreach Activities	• Engineering Practice	• Summer Internship	• Basic Engineering	• NCC / NSO / NSS	• Introduction to Computer Programming		• Energy and Environmental Engineering	
Foundational Science Courses	Humanities and Social Sciences																												
• Mathematics	• English for Communication																												
• Physics	• Industrial Economics																												
• Chemistry	Programme-Related Courses																												
Laboratory Courses	• Branch-Specific Course <sup>\$</sup>																												
• Physics Laboratory	• Professional Ethics																												
• Chemistry Laboratory	• Project Work																												
• Language Laboratory	• Comprehensive Viva																												
Engineering Fundamentals	• Industrial Lecture																												
• Engineering Graphics	Training and Outreach Activities																												
• Engineering Practice	• Summer Internship																												
• Basic Engineering	• NCC / NSO / NSS																												
• Introduction to Computer Programming																													
• Energy and Environmental Engineering																													
<b>B.2.4 Programme Core (PC)</b>																													
	<p>Programme Core Courses are the mandatory components of every programme curriculum and shall be completed by every student enrolled in the programme. A student must be required to successfully complete 15 programme core courses as specified in the respective programme curriculum, in order to fulfil the degree requirements. At least 7 programme core courses, each carrying 4 credits, must be completed during the 2<sup>nd</sup> to 6<sup>th</sup> semesters of the programme of study. The scheduling, offering, and sequencing of programme core courses shall be approved by the respective Department BoS.</p>																												
<b>B.2.5. Programme Electives (PE)</b>																													
	<p>Programme Elective (PE) courses constitute the set of specialized, choice-based courses, offered by own programme or branch, that allow students to deepen their knowledge within their discipline or pursue focused areas of</p>																												

	<p>interest. Unlike Programme Core (PC) courses, which are mandatory, PEs provide flexibility and academic customization, enabling students to tailor their learning pathway according to their professional goals or emerging technological domains. Departments typically offer a structured list of electives covering advanced, or interdisciplinary topics. Completion of the required Programme Elective components is mandatory for fulfilling the degree requirements.</p>
<b>B.2.6 TRACKS for Programme Electives</b>	
	<p>Using the TRACKS (Tailored, Relevant, Adaptive Curriculum Knowledge System) framework, students who complete the specific set of elective courses prescribed for a particular stream in the curriculum will be awarded a B.Tech. degree with that stream name reflected on their transcript. Students who opt for electives outside the prescribed streams, or who do not complete all required courses within a stream, will receive a B.Tech. degree without any stream indicated on their transcript.</p>
<b>B.2.7 Essential Laboratory Requirements (ELR)</b>	
	<p>Essential Laboratory Requirement (ELR) courses constitute the mandatory laboratory components of the programme curriculum. These courses are designed to provide students with hands-on experience, practical skills, and familiarity with standard laboratory practices relevant to their programme of study. Essential Laboratory Requirement (ELR) courses reinforce theoretical knowledge through experimentation. Completion of all prescribed ELR courses is mandatory for satisfying degree requirements. Students may register for at most two ELR courses in any session up to the sixth semester.</p>
<b>B.2.8 Open Electives (OE)</b>	
	<p>Open Elective (OE) courses are a set of choice-based courses offered across disciplines, allowing students to explore subjects outside their own programme or branch. Unlike Programme Core (PC) and Programme Elective (PE) courses, which focus on the student's specialization, Open Electives encourage interdisciplinary learning, broader knowledge acquisition, and the development of complementary skills.</p>
<b>B.2.9 Online Courses (OC)</b>	
	<p>Online Courses (OC) are credit-bearing courses delivered primarily through NPTEL/Swayam platforms, allowing students to access course content, lectures, assessments, and interactions remotely. These courses provide flexibility in learning, enabling students to explore additional topics, emerging technologies, or interdisciplinary subjects that may not be offered in the regular on-campus curriculum.</p> <p><b>Approval of online courses:</b> Department Board of Studies (BoS) shall approve the list of online courses offered by reputed external agencies. In preparing this list, the BoS shall ensure that course evaluation is carried out by the same external agency offering the course. All approved online courses shall be considered as Open Elective (OE) courses.</p> <p><b>Online courses offered across departments:</b> If a department intends to offer online courses accessible to students from all departments, such</p>

	<p>courses must be included in its NPTEL list and designated as Online Open Elective (OC) Courses. No two departments shall include the same online open elective course in their respective NPTEL/Swayam offerings.</p> <p><b>Examination schedule compliance:</b> The examination dates for all online courses must fall on or before the 'closure of all classwork' date specified in the academic schedule of the semester. This requirement ensures that there is no clash with the institute's final assessment schedule.</p>
<b>B.2.10 Microcredit Courses (MO / MC)</b>	
	Microcredit (Online and On-campus) courses are short-duration, credit-bearing courses designed to provide focused learning on specific skills, tools, or emerging topics. Each course, carrying 1 or 2 credits, is designed to enhance students' skills in specific domains of interest.
<b>B.2.11 NCC / NSO / NSS</b>	
	<p>All students enrolled in the B.Tech. programme must register for one of the following non-credit extracurricular activities:</p> <p>NCC (National Cadet Corps), NSO (National Sports Organization), or NSS (National Service Scheme).</p> <ol style="list-style-type: none"> <li>Students must satisfactorily complete the chosen NCC / NSO / NSS activity as part of their degree requirements.</li> <li>This requirement must be fulfilled within the first four semesters.</li> <li>NCC is not offered to foreign national students.</li> </ol> <p>The NCC / NSO / NSS programme consists of practical sessions, field activities, and extension lectures, all conducted outside regular class hours. Students must complete a minimum of 45 hours of participation per semester during the first year. All activities and student participation will be monitored by the respective faculty-in-charge and the First Year Coordinator.</p>
<b>Engagement of Industry Experts</b>	
	The contribution of industry experts to any course shall be limited to a maximum of 25% of the total contents of that course. Prior approval for engaging industry experts must be obtained from the designated committee.
<b>B.2.12 Exit and Re-Entry Provision</b>	
	Students have the option to exit the B.Tech. programme after the successful completion of three years, receiving a B.Sc. degree in their engineering programme after completing the courses till three years with existing curriculum. They can return to the institute within the maximum program duration of 12 semesters to complete the fourth year and obtain a B.Tech. degree. Students shall not be permitted more than 12 semesters to complete the program.
<b>B.3.0 Important Instructions</b>	
	1. The academic year shall consist of two regular semesters and one summer session. The duration of each regular semester shall be approximately 20 calendar weeks, inclusive of all assessment components, and the duration of the summer session shall be

	<p>approximately 7 calendar weeks.</p> <ol style="list-style-type: none"> <li>2. Each semester shall normally consist of six theory courses and two essential laboratory courses.</li> <li>3. The medium for instruction, examinations, and project reports shall be English.</li> <li>4. One credit is defined as 50 minutes of lecture or 75 minutes of practical/ laboratory work per week. A three-credit lecture course shall ordinarily comprise approximately 40 lecture hours in a semester, delivered at the rate of three lecture hours per week.</li> <li>5. <b>B.Tech. (Honours):</b> Students opting for the Honours programme must earn 15 additional credits beyond the minimum requirement for the B.Tech. degree. These credits must be earned from the basket of honours courses offered by the respective department, starting from the 5<sup>th</sup> semester.</li> <li>6. <b>Minor:</b> A student may earn a Minor by completing 15 additional credits beyond the minimum requirement for the B.Tech. degree through elective courses offered by a single department, beginning from the 3<sup>rd</sup> semester.</li> </ol>
<b>B.4.0 Course Enrolment and Registration</b>	
	<ol style="list-style-type: none"> <li>a. Payment of fees and completion of course registration shall be accomplished within three weeks from the commencement of the semester. Failure to meet this deadline shall render the student ineligible to continue in the session.</li> <li>b. A student shall be permitted to enroll for a semester only if: <ul style="list-style-type: none"> <li>• he/she satisfies the conditions prescribed under Regulation B.4.2;</li> <li>• he/she has cleared all dues to the Institute, Hostel, Library, and NCC Unit up to the end of the previous semester;</li> <li>• the student is not debarred from enrolment in the concerned semester on disciplinary grounds.</li> </ul> </li> <li>c. A student may register for a maximum of 28 credits in a semester, excluding credits registered under the Honours, Minor, or approved Online Courses categories.</li> <li>d. From the second semester onwards, all students must complete the enrolment within the course registration period as mentioned in the academic schedule before the commencement of the respective semester.</li> </ol>
<b>B.4.1 Late Enrolment, Course Registration / Deregistration</b>	
	Late enrolment, late course registration, or late course deregistration shall be permitted up to two weeks from the commencement of the semester, subject to the payment of a fine as determined by the Institute from time to time.
<b>B.4.2 Prerequisite Requirements</b>	
	A student may register for a course only after satisfying the prescribed prerequisite conditions, and such registration shall be carried out in



	consultation with the Academic Mentor. A student shall be deemed to have completed a prerequisite course if he/she has fulfilled the attendance requirement and other academic requirements specified for that course.
<b>B.4.3 Course Dropping</b>	
	<p>A student who finds the academic load excessive in any semester, or has any other valid reason, may drop one or more courses, provided he/she has maintained the minimum required attendance in those courses up to the date of application.</p> <p>Course dropping shall be permitted within three weeks from the commencement of the semester, and the request must be submitted through the workflow system with the approval of the Academic Mentor, Course Faculty, and Head of the Department (HoD).</p>
<b>B.4.4 Additional Course Registration</b>	
	<p>From the fourth semester onwards, B.Tech. students may register for one or two additional regular courses in a semester, excluding Minor and Honours courses, subject to the following conditions:</p> <ul style="list-style-type: none"> <li>• The student must have a CGPA of 7.0 or above at the end of the previous semester.</li> <li>• A maximum of one additional course may be taken in each of the 5<sup>th</sup>, 6<sup>th</sup>, and 7<sup>th</sup> semesters.</li> <li>• A maximum of two additional courses may be taken in the 8<sup>th</sup> semester.</li> </ul> <p>Students opting for such additional courses shall obtain prior approval from the Dean (Academic), based on the recommendation of the Head of the Department.</p>
<b>B.4.5 Backlog Credit Limit</b>	
	To register for courses from the 5 <sup>th</sup> semester onwards, a student shall not have more than 22 credits of backlog courses. A student who exceeds this limit must first clear the required backlog credits before registering for subsequent semesters.
<b>B.4.6 Registration of Electives (PE / OE)</b>	
	<p>Students are required to complete a minimum of 8 Programme Electives (PE) out of the 12 total electives (PE/OE). The remaining 4 electives may be selected from PE, OE, or OC.</p> <p>The minimum enrolment required for offering any elective course, whether Programme Elective (PE) or Open Elective (OE), shall be 15 students, representing approximately 25% of the total class strength. Elective courses shall be offered once every academic year, with each elective made available annually.</p>
<b>B.4.7 Registration of Online Courses (OC)</b>	
	Each department shall publish the list of approved NPTEL/Swayam courses for a given semester prior to the commencement of course registration. This list may be prepared based on students' preferences collected in advance. All

	<p>approved online courses shall be treated as Open Elective (OE) courses.</p> <ol style="list-style-type: none"> <li>Students may register for online courses starting from the 3<sup>rd</sup> semester, with a maximum of one online course per semester.</li> <li>A student may register for a maximum of 18 credits of online courses during the entire programme.</li> <li>Online courses with a minimum duration of 12 weeks shall be eligible for registration and considered as 3-credit courses.</li> </ol>
<b>B.4.8 Registration of Microcredit Courses (MO / MC)</b>	
	<p>Microcredit courses shall be considered as Open Elective (OE) courses. Four-week and eight-week courses offered through NPTEL / SWAYAM, carrying 1 credit and 2 credits respectively, may be considered as microcredit open elective courses.</p> <ol style="list-style-type: none"> <li>Students may register for microcredit courses commencing from the 3<sup>rd</sup> semester, subject to a maximum of 3 credits during the entire programme.</li> <li>For the purpose of credit equivalence, the following combinations of microcredit courses shall be considered as equivalent to one 3-credit Open Elective course: <ul style="list-style-type: none"> <li>Three microcredit courses of 1 credit each, or</li> <li>A combination of two microcredit courses totaling 3 credits (i.e., one 2-credit course + one 1-credit course).</li> </ul> </li> <li>A student may replace one Open Elective course of 3 credits with Microcredit courses of total 3 credits.</li> </ol>
<b>B.4.9 De-registration for 'F' and 'X' Grades in Elective Courses</b>	
	<ul style="list-style-type: none"> <li>A student who receives an 'F' or 'X' grade in an elective course may either appear for the supplementary examination or register for an alternate elective, as applicable.</li> <li>During degree eligibility verification, students who have already earned the required elective credits may be permitted to deregister up to two elective courses in which they have obtained an 'F' or 'X' grade.</li> <li>Students who have not cleared all courses in their first attempt, including those with 'F' or 'X' grades in deregistered courses, shall not be eligible for the award of First Class with Distinction or Institute Rank/medal, irrespective of their final CGPA.</li> </ul>
<b>B.4.10 De-registration for Minor and Honours Courses</b>	
	<p>Students who receive an 'F', 'X', or 'V' grade in any Minor or Honours course shall be disqualified from continuing in the respective Minor or Honours programme and shall not be permitted to deregister these courses.</p>
<b>B.5.0 Board of Studies</b>	
	<p>The curriculum and syllabi for each programme shall be finalized by the Board of Studies (BoS), constituted as per regulation B.5.2. The BoS is responsible for formulating the content of various courses, periodically reviewing and</p>

	updating course contents, and introducing new courses of study as required.
<b>B.5.1 Board of Studies for GIR courses</b>	
	<p>A dedicated Board of Studies (BoS) shall be constituted for all General Institute Requirements (GIR) courses. The BoS for GIR shall be convened and chaired by the Dean (Academic) and shall comprise:</p> <ol style="list-style-type: none"> <li><b>Chairperson:</b> Dean (Academic)</li> <li><b>Internal Members:</b> Heads of all academic departments</li> <li><b>Nominated Members:</b> The following members shall be nominated by the Dean (Academic) / Director based on the recommendation of the Head of the Department: <ul style="list-style-type: none"> <li>Subject experts from IISc, IITs, or NITs.</li> <li>One subject expert with a minimum of five years of experience in the relevant field from a Central/State organization, R&amp;D laboratory, or reputed industry.</li> <li>One alumnus / alumna with a minimum of five years of experience in the relevant field from a reputed R&amp;D organization or industry.</li> </ul> </li> </ol> <p>The Board of Studies (BoS) for GIR shall oversee all academic matters related to GIR courses, including the periodic review and revision of curricula, syllabi, and learning outcomes to ensure relevance and academic rigor. The BoS for GIR shall meet at least once each academic year, or more often as required. All decisions and proceedings of the BoS shall be forwarded to the Senate for consideration and approval.</p>
<b>B.5.2 Board of Studies for Non-GIR courses</b>	
	<p>The Board of Studies (BoS) for each department shall comprise the following members:</p> <ol style="list-style-type: none"> <li><b>Chairperson:</b> The Head of the Department or a senior Professor nominated by the Head of the Department.</li> <li><b>Internal Members:</b> All Professors, Associate Professors, and Assistant Professors of the Department.</li> <li><b>Nominated Members:</b> The following members shall be nominated by the Dean (Academic) / Director based on the recommendation of the Head of the Department: <ul style="list-style-type: none"> <li>One senior faculty member from the Departments of Physics, Chemistry, Mathematics, Humanities and Social Sciences, or other allied departments, nominated by the respective Head of the Department.</li> <li>One subject expert from IISc, IITs, or NITs.</li> <li>One subject expert with a minimum of five years of experience in the relevant field from a Central/State organization, R&amp;D laboratory, or reputed industry.</li> <li>One alumnus / alumna with a minimum of five years of experience in the relevant field from a reputed R&amp;D organization or industry.</li> </ul> </li> </ol>

<b>B.5.3 Functions of the Board of Studies (BoS)</b>	
	The Board of Studies for each department shall be constituted for a term of two years. The BoS shall meet at least once every academic year, with additional meetings convened as necessary. The BoS shall have the authority to prepare, revise, and update course content in accordance with the guidelines prescribed by the Senate.
<b>B.5.4 BoS Decision-Making in Exigency</b>	
	In case of an exigency, the Chairperson of the BoS or the Head of the Department may obtain the opinions of BoS members through circulation of the proposal. The opinions received, along with the action taken, shall be communicated to all BoS members and subsequently reported to the Senate.
<b>B.6.0 Academic Mentor and Academic Committees</b>	
<b>B.6.1 Academic Mentor</b>	
	To support students in planning their course of study and to offer general academic guidance, the Head of the Department shall assign each batch of students to a faculty member designated as the Academic Mentor. The assigned group of students shall remain under the guidance of the same Academic Mentor for the duration of the programme, unless formally reassigned.
<b>B.6.2 Class Committee</b>	
	<p>A Class Committee shall be constituted for every class of the B.Tech. programme by the Head of the Department, with the objective of enhancing and monitoring the quality of the teaching–learning process. The Class Committee shall function diligently throughout the semester, and minutes of each meeting shall be recorded and maintained.</p> <p>The Class Committee shall consist of the following members:</p> <ol style="list-style-type: none"> <li><b>Chairperson:</b> A senior faculty member nominated by the Head of the Department, preferably one who is not involved in teaching any course to the concerned class.</li> <li><b>Faculty Members:</b> All faculty members responsible for teaching courses to the class.</li> <li><b>Academic Mentor:</b> The designated Academic Mentor for the class.</li> <li><b>Student Representatives:</b> A minimum of six (6) students from the class, ensuring balanced representation of both genders.</li> </ol>
<b>B.6.3 Functions of the Class Committee</b>	
	<p>The Class Committee shall convene three times during each semester to monitor, review, and improve the teaching–learning process. The functions of the Committee during each meeting are as follows:</p> <p>The first meeting shall be held within two weeks from the commencement of the semester. Every course faculty shall prepare a detailed Course Plan in the prescribed format, clearly specifying Assessment components and their weightages, Attendance requirements, Academic integrity expectations, Prescribed learning resources and study materials.</p>

	<p>All Course Plans shall be submitted to the Class Committee Chairperson and the Head of the Department for review and approval during or before the meeting. Upon approval, the finalized Course Plans shall be uploaded to the institute's intranet.</p> <p>The second and third meetings shall be held six weeks and ten weeks, respectively, from the start of the semester. These meetings shall:</p> <ul style="list-style-type: none"> <li>• Provide a structured forum for interaction between students and faculty;</li> <li>• Facilitate the collection of feedback on the teaching–learning process;</li> <li>• Review student performance in assessments conducted up to that point;</li> <li>• Identify and address academic or administrative issues affecting the class.</li> </ul> <p>After each meeting, the Chairperson shall prepare the minutes, circulate them to all students in the class, and forward them to the Dean (Academic) through the Head of the Department.</p>
<b>B.6.4 Performance Analysis Committee (PAC)</b>	
	<p>The Performance Analysis Committee (PAC) shall be constituted for the purpose of reviewing and finalizing grades for all courses offered in the semester. The PAC shall comprise of all members of the Class Committee, as specified in regulation B.6.2, together with the Head of the Department (HoD) but excluding the student representatives.</p>
<b>B.6.5 Functions and Responsibilities of PAC</b>	
	<p>The PAC shall have the following responsibilities:</p> <ol style="list-style-type: none"> <li>a. The PAC shall meet within seven days of the last day of the Final Assessment.</li> <li>b. Examine the overall performance of students across all components of assessment in each course.</li> <li>c. Determine and finalize grade ranges for each course, ensuring consistency and academic fairness.</li> <li>d. Verify that the clustering, relative grading, and pass/fail decisions adhere to institutional academic standards and reflect the intended course learning outcomes.</li> <li>e. Identify and resolve any anomalies in grading patterns, assessment inconsistencies, or deviations from approved evaluation methods.</li> <li>f. PAC members shall collectively review the data presented, deliberate on grade boundaries, and ensure uniform application of grading principles.</li> <li>g. The PAC shall finalize the grade ranges for each course based on collective academic judgment.</li> </ol> <p>The PAC Chairperson shall forward the minutes of the meetings, including the finalized grade ranges and any special considerations to the Academic Office.</p>

<b>B.6.6 Department Project Evaluation Committee</b>	
	<p>The evaluation of the project shall be carried out by the Department Project Evaluation Committee (DPEC). The DPEC shall be constituted as follows:</p> <ol style="list-style-type: none"> <li><b>Chairperson:</b> Head of the Department or a nominee appointed by the HoD;</li> <li><b>Project Coordinator:</b> A Professor or an Associate Professor;</li> <li><b>Project Guide:</b> The faculty member supervising the project.</li> </ol>
<b>B.6.7 Functions and Responsibilities of DPEC</b>	
	<p>The DPEC shall have the following responsibilities:</p> <ol style="list-style-type: none"> <li>Ensuring that all project evaluations are conducted in a fair, transparent, and academically rigorous manner.</li> <li>Assessing the project report, implementation, experimental results, prototypes, or any other deliverables submitted by the student.</li> <li>Organizing and administering the final project viva-voce to assess the student's understanding, technical competence, and ability to justify the work carried out.</li> <li>Considering the inputs, evaluations, and progress assessments provided by the Project Guide(s).</li> <li>Finalizing the project grade based on the overall evaluation components, in accordance with the approved assessment scheme.</li> </ol>
<b>B.7.0 Attendance Policy</b>	
	Every student is expected to maintain 100% attendance in all academic activities.
<b>B.7.1 Attendance Requirements for Courses</b>	
	<ol style="list-style-type: none"> <li>Students must have at least 75% attendance in each course to remain eligible for the Final Assessment.</li> <li>In addition, a maximum of 10% relaxation may be granted under approved On Duty (OD) or Medical Grounds. OD requests will be reviewed only upon submission of appropriate documentary proof, in accordance with the compensation assessment provisions outlined in B.8.2.</li> <li>Students falling short of the required attendance shall not be permitted to appear for the Final Assessment and will receive a 'V' grade for that course.</li> </ol>
<b>B.7.2 Attendance Requirements for NCC / NSO / NSS</b>	
	<p>If a student falls short of the required attendance for NCC / NSO / NSS, the shortage must be addressed as follows:</p> <ol style="list-style-type: none"> <li>Absence on valid grounds: The student may compensate for the shortage through extra sessions arranged by the faculty-in-charge.</li> <li>Unauthorized absence: The shortage must be made up in the following year, subject to the conditions below:</li> </ol>

	<ul style="list-style-type: none"><li>For NCC: Missed NCC sessions must be compensated through NSO or NSS at a rate of 4 NSO/NSS sessions for every 1 NCC session missed.</li><li>For NSO / NSS: Missed sessions must be compensated at a rate of 2 classes for every 1 NSO/NSS session missed.</li></ul>									
<b>B.8.0 System of Assessments</b>										
	<p>Each course shall employ appropriate and course-specific assessment methods, which may include group activities, assignments, field-visit reports, quizzes, open-book tests, laboratory exercises, mini-projects, and end-of-semester summative assessments.</p> <ul style="list-style-type: none"><li>The total number of assessments for theory courses shall range from 4 to 6.</li><li>The total number of assessments for laboratory courses shall range from 2 to 6.</li><li>For other course (e.g. summer internship, industrial lecture and approved online courses) the total number of assessments shall range from 1 to 6.</li></ul> <p>In addition, industry lectures, expert talks, and approved online courses (such as SWAYAM/NPTEL or equivalent platforms) may be integrated as part of the assessment framework, subject to prior approval by the Department. Appropriate evaluation components may be assigned to these activities wherever relevant.</p> <p><b>Marking Scheme:</b></p> <p>All assessments, tutorial assignments (where applicable), laboratory work, and examinations shall be evaluated on an absolute marking basis.</p> <p>The final percentage of marks for each course shall be computed in accordance with the assessment weightages specified in regulation B.8.1.</p>									
<b>B.8.1 Assessment Weightage</b>										
	<ul style="list-style-type: none"><li>The weightage of each assessment component shall be determined in consultation with the Class Committee at the beginning of the semester, either during or before the first-Class Committee meeting.</li><li>The approved assessment scheme shall be communicated to students at the beginning of the semester along with the finalized course plan.</li><li>The distribution of assessment weightages shall typically follow the guidelines below:<table><tr><td>a)</td><td>Assessments during the semester</td><td>50 - 70%</td></tr><tr><td>b)</td><td>Final assessment (Entire Syllabus)</td><td>30 - 50%</td></tr><tr><td colspan="2">Total</td><td>100%</td></tr></table></li><li>The Class Committee may also approve any special assessment components or requirements specific to a course, as deemed appropriate.</li></ul> <p>The Academic Office shall also be informed of the approved scheme of evaluation at the beginning of the semester.</p>	a)	Assessments during the semester	50 - 70%	b)	Final assessment (Entire Syllabus)	30 - 50%	Total		100%
a)	Assessments during the semester	50 - 70%								
b)	Final assessment (Entire Syllabus)	30 - 50%								
Total		100%								

<b>B.8.2 Compensation Assessment</b>	
	<p>a. Only one absence in the continuous assessment components (other than final assessment) is permitted. Accordingly, only one compensation assessment will be conducted for eligible students. This assessment is not applicable for project work / industrial lectures / internship.</p> <p>b. Students requesting a compensation assessment must submit valid supporting documents, as detailed below:</p> <ol style="list-style-type: none"> <li><b>Medical Grounds:</b> A medical certificate must be issued only by the Medical Officer, NIT–T Hospital. The certificate must clearly state the student's unfitness or requirement of rest on the day of the missed assessment.</li> <li><b>Institute-Level Sports Activities:</b> Prior approval is mandatory for participation in off-campus, institute-level sports events. Students must submit an official letter issued by the Sports (SAS) Officer or the Associate Dean (Students Welfare).</li> <li><b>Technical Events / Conferences:</b> For participation in conferences or technical events (e.g., IEEE, ASCE, ASME), students must provide relevant documents endorsed by the Class Committee Chairperson and the Head of the Department (HoD).</li> </ol> <p>Requests arising from family emergencies, placement activities, or other unforeseen circumstances, if considered valid and approved by the Class Committee Chairperson and the HoD, shall also be permitted for compensation assessment.</p>
<b>B.8.3 Comprehensive Examination</b>	
	<p>The comprehensive examination conducted in the final year shall consist of the following components:</p> <ol style="list-style-type: none"> <li>Two objective tests, each carrying 25 marks for a total of 50 marks, shall be conducted during the semester.</li> <li>The final comprehensive examination, carrying 50 marks, shall be an objective-type test following a pattern similar to the GATE examination.</li> </ol> <p>The examinations shall be administered by a departmental committee consisting of the Head of the Department or his/her nominee, along with two faculty members from the department.</p>
<b>B.8.4 Final Assessment</b>	
	<p>Every theory and laboratory course shall include a final assessment covering the entire syllabus. The duration of the final assessment shall be three hours. For a student to successfully complete the course, it is mandatory to secure a minimum of 20% marks in the final assessment.</p>
<b>B.8.5 Industrial Lecture Evaluation</b>	
	<ul style="list-style-type: none"> <li>An industrial lecture–based course shall carry 1 credit.</li> <li>The Department shall arrange a minimum of five lectures, each of two hours duration, delivered by industry professionals.</li> <li>Evaluation shall typically include quizzes after each lecture, along with appropriate weightage for attendance.</li> </ul>



	<ul style="list-style-type: none"><li>• The Head of the Department (HoD) or his/her nominee may adopt an alternate evaluation method, which must be communicated to students before the start of the semester.</li></ul>															
<b>B.8.6 Internship / Industrial Training Evaluation</b>																
	<ul style="list-style-type: none"><li>• Students shall undergo an internship or industrial training for a minimum of six weeks during the summer vacation after the 6<sup>th</sup> semester.</li><li>• Registration for this course shall be completed along with the 7<sup>th</sup> semester courses.</li><li>• Students must submit an internship report to the Head of the Department.</li><li>• The course carries 2 credits, and evaluation shall be based on the internship report and a viva-voce examination.</li><li>• The viva-voce shall be conducted by the HoD and the Programme Coordinator, or their nominees.</li></ul>															
<b>B.8.7 Study Abroad / Exchange Program / Academic Attachments</b>																
	Students may be permitted to attend reputed universities or institutions (with English as the medium of instruction) during the 7 <sup>th</sup> or 8 <sup>th</sup> semester under approved exchange, study-abroad, or academic attachment programs. Students shall not repeat courses already completed at NIT, Tiruchirappalli.															
<b>B.8.8 Project Evaluation</b>																
	<p>a. Continuous Assessment of Project Work</p> <table><tr><th>Assessment</th><th>Weightage (%)</th><th>Schedule</th></tr><tr><td>Preliminary Review</td><td>10</td><td>End of 2<sup>nd</sup> week</td></tr><tr><td>Review I</td><td>20</td><td>End of 4<sup>th</sup> week</td></tr><tr><td>Review II</td><td>20</td><td>End of 10<sup>th</sup> week</td></tr><tr><td>Final Assessment</td><td>50</td><td>End of semester</td></tr></table> <p>b. Final Project Submission and Evaluation</p> <p>Upon completion of the project, the student shall submit a project report. The DPEC shall evaluate the report and conduct a viva-voce examination. The final evaluation shall be based on both the project report and the viva-voce performance.</p> <p>c. Projects Undertaken Through T&amp;P Internships</p> <p>Students undertaking internships offered through the Training and Placement (T&amp;P) Office with corporate organizations must obtain prior departmental approval for their selected project topics.</p> <p>d. Evaluation of Internship-Based Projects</p> <p>For internship projects, the evaluation may be conducted by the DPEC, with the inclusion of co-opted experts from other departments and an external member from the host organization.</p>	Assessment	Weightage (%)	Schedule	Preliminary Review	10	End of 2 <sup>nd</sup> week	Review I	20	End of 4 <sup>th</sup> week	Review II	20	End of 10 <sup>th</sup> week	Final Assessment	50	End of semester
Assessment	Weightage (%)	Schedule														
Preliminary Review	10	End of 2 <sup>nd</sup> week														
Review I	20	End of 4 <sup>th</sup> week														
Review II	20	End of 10 <sup>th</sup> week														
Final Assessment	50	End of semester														
<b>B.8.9 Completion of Pending Courses for ICCR and SII Students</b>																
	Students admitted under the Indian Council for Cultural Relations (ICCR) scheme or the Study in India (SII) programme shall be permitted to complete any pending failed courses through online mode upon the expiry of their visa validity, subject to the recommendation of the concerned department.															

**B.8.10 Course Feedback Requirement**

Students are required to submit the online course feedback every semester. The hall ticket for the final assessments will be issued only upon successful submission of this feedback. Failure to complete the feedback process will result in the student being ineligible to appear for the final assessment.

**B.9.0 Grading Policy and Guidelines**

All courses shall be evaluated based on the marks obtained across the prescribed assessment components as mentioned in the course plan. The PAC shall finalize grade ranges, ensure fair and consistent grading.

**B.9.1 Relative Grading**

- a. The minimum passing requirement for a course shall normally be the maximum of (Class Average  $\div$  2) or 35% of the total weightage, subject to securing at least 20% in the final assessment.
- b. The institute follows a relative grading system for all courses, including Project Work.
- c. Based on the student's overall performance, a final letter grade shall be assigned for each course at the end of the semester.
- d. The letter grades and 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	-	-

'F' – Fail; 'X' – Absent for the final assessment; 'V' – Prevented from the final assessment due to shortage of attendance.

- e. For theory courses, the 'S' grade shall be awarded to not more than 10% of the students appearing for the course.
- f. For laboratory courses, Industrial lecture, and Project work the 'S' grade shall be awarded to no more than 20% of the students appearing for the course.

**B.9.2 Absolute Grading**

For theory courses with an enrolment of fewer than 10 students, following absolute grading scheme shall be applied.

Mark Range	Grade to be awarded
91 – 100	S
81 – 90	A
71 – 80	B
61 – 70	C
51 – 60	D
41 – 50	E
0 – 40	F

**B.9.3 Grading of Online Courses**

The following grading policy shall apply to all online courses.

Type of Certificate	Score	NIT-T Equivalent Grade
Elite with Gold	$\geq 90$	S
Elite with Silver	75 - 89	A
Elite	$\geq 60$	B
Successfully Completed	40 - 59	C
No Certificate	$< 40$	V

Students who do not deregister within the prescribed timeline or fail to submit their NPTEL course completion certificate on time shall be awarded a 'V' grade. The course will not be credited and will be considered as a backlog.

**B.9.4 Grading for NCC / NSO / NSS Activities**

- Students enrolled in NCC, NSO, or NSS shall be evaluated based on their attendance, participation, and performance in the prescribed activities.
- Students who meet all requirements shall be awarded a 'P' (Pass) grade.
- Students who do not fulfill the required attendance or participation conditions shall be awarded an 'F' (Fail) grade.
- These grades will appear in the academic transcript but will not carry credit points toward the B.Tech. degree.

**B.10.0 Declaration of Results**

Following the Performance Analysis Committee (PAC) meeting, the Head of the Department (HoD) shall forward the statement of grades, along with the duly completed attendance registers, for all courses to the Academic Office. The results shall be presented to the Senate for approval and subsequently declared.

In case any discrepancy is identified, the Chairperson of the Senate is empowered to take appropriate corrective action.

**B.11.0 Revaluation**

If a student does not satisfy with the final grade received in any course after the declaration of results, he/she may approach the concerned faculty within two weeks from the reopening of the institute for the subsequent semester. Any requests by the students submitted beyond this period will not be considered.

**B.11.1 Reviewing of Answer Papers**

- Students may review all their valued answer scripts of the final assessments, except those pertaining to laboratory examinations, comprehensive examinations, internships, industrial lectures, and project work.
- Students may request retotaling or revaluation by the respective course faculty.
- Revaluation may or may not lead to a change in the awarded grade

<b>B.11.2 Forwarding of Revised Grades</b>	
	If a grade change occurs following revaluation, the concerned faculty member shall forward the revised grade to the Dean (Academic) through the Head of the Department and the Chairperson of the Performance Analysis Committee (PAC).
<b>B.11.3 Grievance Redressal</b>	
	If an assessment-related grievance is not resolved by the course faculty or the HoD, the Dean (Academic) may, upon validating the grievance, recommend appropriate remedial action to the Chairperson of the Senate.
<b>B.12.0 Retention of Answer Scripts</b>	
	All final assessment answer scripts shall be retained by the respective faculty members for a minimum period of two academic years to support academic audit requirements. After the completion of this retention period, the answer scripts shall be permanently disposed of or destroyed by the faculty member.
<b>B.13.0 Supplementary Examination</b>	
	Students who have been awarded an 'F' or 'X' grade in any course – excluding Minor, Honours, and Online courses—and have met the attendance requirements are eligible to appear for the Supplementary Examination.
<b>B.13.1 Scheduling and Conduct</b>	
	<ul style="list-style-type: none"> <li>Supplementary Examinations shall normally be conducted during a designated week in every semester. The Academic Office shall publish the supplementary examination schedule. The supplementary examination shall be administered by the course faculty or by a faculty member nominated by the HoD.</li> <li>Students must register for all failed courses (with 'F' or 'X' grades) and pay the prescribed fee in order to appear for the Supplementary Examination.</li> </ul>
<b>B.13.2 Evaluation and Reappearance</b>	
	<ul style="list-style-type: none"> <li>The Supplementary Examination shall carry 100% weightage on the entire syllabus. Absolute grading shall be adopted, with a minimum pass mark of 35%.</li> <li>Students who do not pass the supplementary examination must continue to appear for it in subsequent semesters until they successfully complete the course.</li> </ul>
<b>B.14.0 Course Repetition</b>	
	<ol style="list-style-type: none"> <li>A student awarded a 'V' grade in a core course must necessarily repeat the course when it is offered in the subsequent semester/summer.</li> <li>A student awarded a 'V' grade in an elective course may either repeat the same elective when it is offered in the subsequent semester or register for another elective to fulfill the credit requirements.</li> </ol>
<b>B.15.0 Contact Courses for GIR / PC</b>	
	Only GIR and PC courses are permitted to be offered as contact courses. Contact courses shall not be offered if the same course is available as a regular course during that period.

**B.15.1 Eligibility**

Contact courses may be offered by a department during a regular semester or summer session for students who were prevented from the final assessment due to shortage of attendance (obtained 'V' grade). Such courses shall be offered only upon the department's recommendation and with the mutual consent of the student and the faculty.

**B.15.2 Registration**

The maximum number of contact courses a student may register for during any semester or summer session is as follows:

Year	During Semester	During Summer
First year	Not eligible	Maximum one course
Second year	Not eligible	Maximum one course
Third year	Not eligible	Maximum two courses
Fourth year	Maximum two courses	Maximum two courses

Students intending to enroll in a contact course must submit an application to the Dean (Academic) prior to the beginning of the regular semester or summer session in which the contact course is offered. Once registered, withdrawal from a contact course is not allowed.

**B.15.3 Evaluation and Grading**

The evaluation and grading process for a contact course shall follow the same guidelines as those for a regular semester course.

**B.16.0 Formative Assessment****B.16.1 Eligibility**

Students who fail to complete their core courses (with an 'F' or 'X' grade) through regular final assessment, supplementary, or contact courses within seven semesters will be eligible for Formative Assessment.

The Head of the Department (HoD) shall conduct the formative assessment in exceptional cases and with approval from the Dean (Academic).

**B.16.2 Registration**

- Students in final-semester may register for formative assessment after failing the course in supplementary examinations.
- A student may register for a maximum of two courses for formative assessment during the 8<sup>th</sup> semester or the summer session immediately following the 8<sup>th</sup> semester.

**B.16.3 Evaluation and Grading**

- Upon successful completion, the student will be awarded a letter grade 'R' with a grade point of 5, equivalent to the minimum passing grade in regular assessment.
- If the assessment is not satisfactorily completed, the student will receive a letter grade 'I' (Incomplete), which carries no grade points.
- Students with an 'I' grade must complete the formative assessment to convert it to an 'R' grade in subsequent semesters/sessions.

<b>B.17.0 Academic Performance Indicators</b>	
<b>B.17.1 SGPA and CGPA Calculation</b>	
	<p><b>a. Semester Grade Point Average (SGPA):</b> The SGPA for a semester is calculated as the weighted average of the grade points earned in all courses taken during that semester</p> $SGPA = \frac{\sum_{i=1}^n C_i * GP_i}{\sum_{i=1}^n C_i}$ <p><b>b. Cumulative Grade Point Average (CGPA):</b> The CGPA is the weighted average of grade points earned in all courses successfully completed from the first semester up to the current semester</p> $CGPA = \frac{\sum_{i=1}^N C_i * GP_i}{\sum_{i=1}^N C_i}$ <p>where:</p> <ul style="list-style-type: none"> <li>• <math>C_i</math> = Credits of the <math>i^{th}</math> course</li> <li>• <math>GP_i</math> = Grade points obtained in the <math>i^{th}</math> course</li> <li>• <math>n</math> = Total number of courses taken in the semester</li> <li>• <math>N</math> = Total number of courses taken in the program up to the semester</li> </ul>
<b>B.17.2 Grade Cards</b>	
	<p>At the end of each semester, every student shall receive a digital grade card via Digilocker containing:</p> <ul style="list-style-type: none"> <li>• Course number, name, and credits for all registered courses;</li> <li>• Letter grade earned in each course;</li> <li>• Total credits accumulated by the student up to the end of the semester, categorized by course type.</li> <li>• Academic performance indicators, including the Semester Grade Point Average (SGPA).</li> </ul>
<b>B.17.3 Transcript</b>	
	<p>Upon completion of the program, each student shall receive a consolidated transcript via Digilocker, covering all semesters and containing:</p> <ul style="list-style-type: none"> <li>• Course number, name, and credits for all courses registered, semester-wise;</li> <li>• Letter grade earned in each course;</li> <li>• Semester Grade Point Average (SGPA) for each semester;</li> <li>• Cumulative Grade Point Average (CGPA) for the program;</li> <li>• Passed in month and year;</li> <li>• Degree classification (First Class with Distinction/ First Class/ Second Class).</li> </ul> <p>Partial transcripts shall be available to students upon request for various academic and professional requirements.</p>

<b>B.18.0 Temporary Break from the Program</b>	
	<ul style="list-style-type: none"> <li>• A student may be allowed a temporary break from the B.Tech. programme for up to two semesters, commencing from the second year onwards.</li> <li>• Such a temporary break may be granted for reasons including ill health or other valid circumstances, subject to the recommendation of the Head of the Department and approval by the Dean (Academic).</li> </ul>
<b>B.19.0 Maximum Duration of the Programme</b>	
	<ul style="list-style-type: none"> <li>• The B.Tech. programme is designed to be completed within eight semesters.</li> <li>• Students shall not be allowed to exceed a maximum of twelve semesters for programme completion under any circumstances.</li> <li>• This maximum duration does not include any officially authorized temporary breaks in study.</li> </ul>
<b>B.20.0 Classification, Eligibility, and Withdrawal of the B.Tech. Degree</b>	
<b>B.20.1 Classification of the B.Tech. Degree</b>	
	<p>The B.Tech. degree classification shall be determined based on the student's CGPA and fulfillment of requirements:</p> <ol style="list-style-type: none"> <li>First Class with Distinction: Awarded to students who complete the program within eight consecutive semesters, obtain a CGPA of 8.5 and above, and pass all courses on their first attempt. Authorized temporary breaks of study (as per B.18.0) are excluded from the semester count.</li> <li>First Class: Awarded to students who earn a CGPA between 6.5 (inclusive) and below 8.5, completing the programme within nine semesters plus any authorized temporary breaks.</li> <li>Second Class: Awarded to students who secure a CGPA below 6.5 or complete the programme within the maximum allowed duration.</li> <li>B.Tech. (Honours) Degree: Students who complete the programme meeting the requirements specified in B.20.3 shall be awarded the B.Tech. (Honours) degree.</li> </ol>
<b>B.20.2 Eligibility for the Award of the B.Tech. Degree</b>	
	<p>A student shall be eligible to receive the B.Tech. degree only upon meeting all of the following criteria:</p> <ol style="list-style-type: none"> <li>Successful completion of all required courses in the programme.</li> <li>Attainment of the minimum credit requirements specified in the curriculum for the respective branch within the prescribed timeframe.</li> <li>Fulfillment of the credit requirements across all course categories (GIR, PC, PE, OE, ELR, etc.).</li> <li>Completion of the NCC / NSO / NSS mandatory requirements.</li> <li>Achievement of a Cumulative Grade Point Average (CGPA) of 5.0 or higher.</li> <li>Clearance of all outstanding dues to the Institute, Hostels, Library, NCC/NSO/NSS, and other relevant units.</li> <li>No pending disciplinary actions against the student.</li> </ol>

<b>B.20.3 Eligibility for the Award of the B.Tech. (Honours) Degree</b>	
	<p>A student shall be eligible for the B.Tech. (Honours) degree only if all the following conditions are met:</p> <ol style="list-style-type: none"> <li>Registration for at least 12 theory courses and 2 Essential Laboratory Requirements (ELRs) during the second year.</li> <li>Consistently obtained a minimum of SGPA 8.5 throughout the first four semesters.</li> <li>Honours courses must be distinct from and of a higher level than Programme Core (PC) and Programme Electives (PE).</li> <li>Honours courses shall not be considered as programme electives, and their grades shall not contribute to the CGPA calculation.</li> <li>Maintain a minimum SGPA of 8.5 in all semesters, excluding Honours courses, and completion of all registered courses on the first attempt within four years of study.</li> <li>Not obtained 'V', 'X' or 'F' grades in any registered course.</li> <li>Fulfillment of all criteria specified in B.20.2.</li> <li>Successful completion of additional Honours courses totaling 15 credits, comprising three 4-credit courses and one 3-credit course.</li> <li>Earned at least a 'B' grade in every Honours course.</li> </ol>
<b>B.20.4 Eligibility for the Award of the Minors</b>	
	<ul style="list-style-type: none"> <li>A student shall be eligible for the award of a Minor upon successful completion of a minimum of five courses prescribed under the Minor program.</li> <li>These courses shall carry a total of at least 15 additional credits, over and above the credit requirements stipulated for the parent degree program.</li> <li>The fulfilment of the Minor requirements shall not substitute any mandatory requirements of the parent degree program.</li> <li>Credits counted toward the parent program, including any excess or surplus credits earned therein, shall not be considered for the calculation of credits required for the award of the Minor.</li> <li>Upon fulfilment and certification of all prescribed Minor requirements, the Minor certificate shall be issued separate along with the degree certificate.</li> </ul>
<b>B.20.5 Criteria for the Institute Medal</b>	
	<p>The Institute Medal will be awarded to the student with the highest CGPA in the graduating class who completes the programme within the regular duration. Students who have the highest CGPA but have taken an authorized break of study are not eligible for the Institute Medal.</p>
<b>B.20.6 Withdrawal of Degree</b>	
	<p>In extraordinary circumstances, if substantial violation of academic or statutory requirements is identified post award of the degree, the Senate may exercise its authority to formally withdraw the conferred degree.</p>
<b>B.21.0 Discipline</b>	
	<p>Every student is expected to maintain discipline and decorum both on and off campus and must avoid any behavior that could tarnish the Institute's reputation.</p>



<b>B.21.1 Conduct During Examinations and Laboratory Sessions</b>	
	<ul style="list-style-type: none"> <li>Students must adhere to all rules and restrictions set by the Institute.</li> <li>Possession of mobile phones, carrying unauthorized notes, communicating with others, or copying during assessments will be considered serious misconduct.</li> <li>Offenders will be awarded zero marks. In cases of copying, both the student copying and the one being copied from will receive zero marks.</li> <li>All incidents of malpractice and the resulting penalties will be reported to the Academic Office through the Head of the Department.</li> </ul>
<b>B.21.2 Disciplinary Action</b>	
	<ul style="list-style-type: none"> <li>Any act of indiscipline will be referred to the Discipline and Welfare Committee, constituted by the Senate.</li> <li>The Committee will investigate and recommend appropriate punishment based on the Student Code of Conduct approved by the Senate.</li> <li>The Senate will review the Committee's recommendations and take necessary action, which will be recorded in the following Senate meeting.</li> <li>Students have the right to appeal to the Chairperson of the Senate against any disciplinary decision.</li> </ul>
<b>B.21.3 Ragging</b>	
	<ul style="list-style-type: none"> <li>Ragging in any form is a criminal offense under Central and State laws in India and is punishable by imprisonment.</li> <li>Students found guilty of ragging will be expelled from the Institute and barred from admission to any other educational institution.</li> <li>If individual offenders cannot be identified, collective punishment may be imposed.</li> <li>Every senior student and parent must submit a signed undertaking annually at the time of enrolment, affirming non-involvement in ragging.</li> </ul>
<b>B.22.0 Scholarships and Tuition Fee Exemption</b>	
	<p>a. <b>Tuition Fee Revision / Exemption:</b> Any changes or exemptions in tuition fees will be implemented based on recommendations from the NITSER Council and directives from the Ministry of Education, Government of India.</p> <p>b. <b>Scholarships and Other Benefits:</b> The granting of scholarships and related benefits will follow the rules and regulations established by the Government of India.</p>
<b>B.23.0 Power to Modify</b>	
	Notwithstanding any provisions stated previously or elsewhere, the Senate of the Institute reserves the right to modify or amend, without prior notice, the curricula, procedures, requirements, and aforementioned regulations governing its B.Tech. programmes whenever deemed necessary.



**NATIONAL INSTITUTE OF TECHNOLOGY  
TIRUCHIRAPPALLI - 620 015**

**[www.nitt.edu](http://www.nitt.edu)**