

Regulations

B.Sc. B.Ed.

(APPLICABLE FROM 2024 BATCH ONWARDS)



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

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Regulations

B.1.0 Admission	
	Admission will be carried out based on the merit list of the National Common Entrance Test (NCET) conducted by the National Testing Agency (NTA) for each major, including Chemistry, Mathematics, and Physics. The NCET score will serve as the basis for selection
B. 1.1 Essential Requirement for Admission in ITEP	
	<p>The essential requirements for admission to ITEP are as follows.</p> <ul style="list-style-type: none"> • Candidates must have passed the HSC or its equivalent from any recognized board in India with subjects such as Mathematics, Physics, Chemistry, and either Biology or Computer Science. • They must possess a valid NCET total score covering seven test components—Language 1, Language 2, Teaching Aptitude, General Test, and any combination of three domain-specific subjects chosen from Chemistry, Mathematics / Applied Mathematics, Physics, Biology / Biological Studies / Biotechnology / Biochemistry, and Computer Science / Informatics Practices. • Candidates must have secured a minimum of 50% aggregate marks. They must also be qualified in NCET for the respective academic admission year conducted by the National Testing Agency (NTA). • Candidates should have appeared in the Class XII (or equivalent) examination for the first time in the current year or within the last three academic years, with Physics, Chemistry, and Mathematics as compulsory subjects. • A relaxation of five years in age is provided to SC, ST, and PwD candidates.
B.2.0 Structure of the B.Sc. B.Ed. Programme	
	The following streams are offered in ITEP at the secondary stage: Chemistry, Physics, and Mathematics. Each of these streams follows a curriculum comprising several key components, including the Prospective Teacher Induction Programme, Foundations of Education, Disciplinary and Interdisciplinary Courses, Stage-Specific Content cum Pedagogy, Ability Enhancement and Value-Added Courses, School Experience (Internship), and Community Engagement Services.
B.2.1 Credits Requirement	
	ITEP consists of six major components totaling 160 credits, which are equally distributed across all semesters. The semester-wise credit distribution for each component is provided below.

ITEP Components	Semester (No. of Credits)								Total Credits	Weightage (%)
	1	2	3	4	5	6	7	8		
Prospective teachers Induction Programme	2 Weeks	-	-	-	-	-			-	-
Foundation of Education	4	-	4	4	-	4	4	10	30	18.75
Disciplinary / Inter Disciplinary Course	8	12	12	12	12	8	-	-	64	40.00
Stage Specific Content cum Pedagogy	-	-	4	4	4	4	-	-	16	10.00
Ability Enhancement and Value-Added Course	8	8	-	-	2	2	4	4	28	17.50
School Experience (Internship)	-	-	-	-	4	2	12	4	22	13.75
Community Engagement Services	-	-	-	-	-	-	-	-	-	-
Total Credits	20	20	20	20	22	20	20	18	160	100
<i>Note: Semester-wise credit distribution may vary slightly based on stream requirements.</i>										
B.2.2 Programme Core (PC)										
Programme Core Courses are the mandatory components of every programme curriculum and shall be completed by every student enrolled in the programme. The scheduling, offering, and sequencing of programme core courses shall be approved by the respective Department BoS.										
B.2.5. Programme Electives (PE)										
<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 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> <p>The minimum enrolment required for offering any elective course, whether Programme Elective (PE) or Open Elective (OE), shall be 5 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.2.6 Essential Laboratory Requirements (ELR)	
	Essential Laboratory Requirement (ELR) courses constitute the mandatory laboratory components of the academic curriculum. These courses are designed to provide students with hands-on experience, practical skills, and familiarity with standard laboratory practices relevant to their program of study. ELR courses reinforce theoretical knowledge through experimentation. Successful completion of all designated ELR courses is compulsory for fulfilling degree requirements. Students may register for a maximum of two Essential Laboratory Requirement (ELR) courses in any session up to the 6 th semester.
B.2.6 Open Electives (OE)	
	In addition, prospective teachers may opt for open electives offered by institute or approved online courses recommended by the departmental Board of Studies (BoS). Evaluation for such online courses will be carried out by the respective institute or agency, and the credits awarded by them will be duly considered. A prospective teacher may earn a maximum of 12 credits through online courses or institute-offered courses during the entire programme, and these will be classified as Open Elective Courses (OEs). Registration for OEs is permitted from the 3 rd semester onwards.
B.2.6.1 Online Courses (OC)	
	<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>Approval of Online Courses: 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 and an equivalent grading mechanism is established by the department. All approved online courses shall be considered as Open Elective (OE) courses.</p> <p>Online Courses Offered Across Departments: If a department intends to offer online courses accessible to students from all departments, such 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>Examination Schedule Compliance: 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 institute's final assessment schedule.</p>
B.2.6.2. Microcredit Courses (MC)	
	Microcredits 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.2.7 NCC / NSO / NSS	
	<p>All students enrolled in the B.Sc.B.Ed. 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> <ul style="list-style-type: none"> • Students must satisfactorily complete the chosen NCC / NSO / NSS activity as part of their degree requirements. • This requirement must be fulfilled within the first four semesters. • NCC is not offered to foreign national students. <p>Components of NCC / NSO / NSS</p> <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.2.8 Essential Instructions	
	<ol style="list-style-type: none"> 1. Semester Structure: Each semester shall normally consist of six theory courses and two essential laboratory courses. 2. Medium of Instruction: The medium for instruction, examinations, and project reports shall be English. 3. Credit Definition: One credit corresponds to 50 minutes of lecture or 75 minutes of practical / laboratory work per week.
B.2.9 Exit and Re-Entry Provision	
	<p>Students have the option to exit the B.Sc B.Ed. programme after the successful completion of three years, receiving a B.Sc. degree in their science 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.Sc B.Ed degree. Students shall not be permitted more than 12 semesters to complete the program.</p>
B.3.0 Course Enrolment and Registration	
	<ol style="list-style-type: none"> a. A student shall be permitted to enroll for a semester only if: <ul style="list-style-type: none"> • he/she satisfies the conditions prescribed under Regulation B.3.2; • he/she has cleared all dues to the Institute, Hostel, Library, and NCC Unit up to the end of the previous semester; • he/she is not debarred from enrolment on disciplinary grounds. b. From the second semester onwards, all students must complete enrolment within the course registration period as mentioned in the academic calendar before the commencement of the respective semester.
B.3.1 Late Enrolment, Course Registration / Deregistration	
	<p>Late enrolment, late course registration, or late course deregistration shall be</p>

	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.3.2 Prerequisite Requirements	
	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.3.3 Course Dropping	
	<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.3.4 Online Courses (OC)	
	<p>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 approved online courses shall be treated as Open Elective (OE) courses.</p> <ul style="list-style-type: none"> • Students may register for online courses starting from the 3rd semester, with a maximum of one online course per semester. • A student may register for a maximum of 18 credits of online courses over the entire programme. • Only courses with a minimum duration of 12 weeks shall be eligible for registration and considered as 3-credit courses.
B.3.5 Microcredit Courses	
	<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"> a. Students may register for microcredit courses starting from the 3rd semester, with a maximum of one microcredit course per semester. b. For credit computation purposes, the following combinations of micro credit courses shall be considered equivalent to one 3-credit Open Elective course: <ul style="list-style-type: none"> • Three microcredit courses of 1 credit each, or • A combination of two microcredit courses totaling 3 credits (e.g., one 2-credit course + one 1-credit course). c. A student may replace only one Open Elective course with Microcredit courses throughout the entire duration of the programme.

B.3.6 De-registration for 'F' and 'X' Grades in Elective Courses	
	<ul style="list-style-type: none"> 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. 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. 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.
B.4.0 Board of Studies	
	The curriculum and syllabi for each programme shall be finalized by the Board of Studies (BoS), constituted as per Regulation B.4.1. The BoS is responsible for formulating the content of various courses, periodically reviewing and updating course contents, and introducing new courses of study as required.
B.4.1 Constitution of Board of Studies	
	<p>The Board of Studies (BoS) shall comprise the</p> <ul style="list-style-type: none"> Head of the Department or a senior Professor as Chairperson, all faculty members of the department as internal members, additional members nominated by the Dean (Academic) / Director on the recommendation of the Head of the Department. These nominated members include one senior faculty member from Chemistry, Mathematics, and Physics, one subject expert in Chemistry, Mathematics, Physics, or Education from IISc / IITs / NITs, one subject expert in Chemistry, Mathematics, Physics, or Education from reputed central or state universities.
B.4.2 Functions of the Board of Studies (BoS)	
	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.4.3 BoS Decision-Making in Exigency	
	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.5.0 Academic Mentor and Academic Committees	
B.5.1 Academic Mentor	
	To assist prospective teachers in planning their course of study and provide general guidance on the academic program, the Head of the Department will assign a faculty member to each batch, designated as the Academic Mentor. The assigned group of prospective teachers will remain under the mentor's guidance until they complete the program, unless a change is necessitated.
B.5.2 Class Committee	
	A class committee shall be constituted by the Head of the Department for every class, comprising the following members: a Chairperson, who shall be a senior faculty member not handling classes for that cohort; Vice-Chairpersons, who shall be the Heads of the Chemistry, Mathematics, and Physics programmes; Course Coordinators for Chemistry, Mathematics, and Physics; all faculty teaching courses in the semester; and prospective teacher representatives, including an overall education representative and class representatives from each stream—Chemistry, Mathematics, and Physics. The class committee shall meet three times each semester.
B.5.3 Functions of the Class Committee	
	<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>First Meeting: The first meeting shall be held within two weeks from the commencement of the semester. In this meeting:</p> <p>Each Course Instructor 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>Second and Third Meetings: 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"> • Provide a structured forum for interaction between students and faculty. • Facilitate the collection of feedback on the teaching–learning process. • Review student performance in assessments conducted up to that point. • Identify and address academic or administrative issues affecting the class. <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.5.4 Performance Analysis Committee (PAC)																																							
	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 Section B.5.2, together with the Head of the Department (HoD), but excluding the student representatives.																																						
B.5.5 Functions and Responsibilities of PAC																																							
	<p>The PAC shall have the following responsibilities:</p> <ul style="list-style-type: none">a. The PAC shall meet within seven days of the last day of the Final Assessment.b. Examine the overall performance of students across all components of assessment in each course.c. Determine and finalize grade thresholds (ranges) for each course, ensuring consistency and academic fairness.d. Verify that the clustering, relative grading, and pass/fail decisions adhere to institutional academic standards and reflect the intended course learning outcomes.e. Identify and resolve any anomalies in grading patterns, assessment inconsistencies, or deviations from approved evaluation methods.f. Record discussions, rationale for grade ranges, and final grade decisions for submission to the academic authorities.g. PAC members shall collectively review the data presented, deliberate on grade boundaries, and ensure uniform application of grading principles.h. The PAC shall finalize the grade ranges for each course based on collective academic judgment. <p>The Chairperson shall maintain a formal record of proceedings, including the finalized grade ranges and any special considerations.</p>																																						
B.5.6 School Internship / Teaching Practice																																							
	School internship / Teaching practice are mandatory components for completing the program. Prospective teachers must successfully complete the required internships with a minimum attendance of 90%. Failure to meet this requirement will result in the program not being considered complete for the award of the B.Sc. B.Ed. degree.																																						
	<table><tr><th>Sl. No.</th><th>Type of Internship</th><th>Semester</th><th>No. of Credits</th></tr><tr><td>1.</td><td>Internship in Micro-teaching</td><td>5</td><td>2</td></tr><tr><td>2.</td><td>Pre-Internship Practice</td><td>5</td><td>2</td></tr><tr><td>3.</td><td>School Observation (Field Practice)</td><td>6</td><td>2</td></tr><tr><td>4.</td><td>School Based Research Project</td><td>7</td><td>2</td></tr><tr><td>5.</td><td>Internship in Teaching</td><td>7</td><td>10</td></tr><tr><td>6.</td><td>Post-Internship (Review and Analysis)</td><td>8</td><td>2</td></tr><tr><td>7.</td><td>Creating Teaching Learning Material/Work Experience (Educational Toy Making, Local/Traditional Vocations, etc)</td><td>8</td><td>2</td></tr><tr><td colspan="3">Total</td><td>22</td></tr></table>	Sl. No.	Type of Internship	Semester	No. of Credits	1.	Internship in Micro-teaching	5	2	2.	Pre-Internship Practice	5	2	3.	School Observation (Field Practice)	6	2	4.	School Based Research Project	7	2	5.	Internship in Teaching	7	10	6.	Post-Internship (Review and Analysis)	8	2	7.	Creating Teaching Learning Material/Work Experience (Educational Toy Making, Local/Traditional Vocations, etc)	8	2	Total			22		
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	<p>Internship Evaluation Committee (IEC)</p> <p>To ensure fairness and consistency, a committee appointed by institute, evaluates the teaching performance of prospective teachers and verifies the marks awarded in all records.</p> <p>The commission is constituted as follows:</p> <ul style="list-style-type: none"> • Head of the IEC: Head of the Department (HoD) • Convener: External Teacher Educator from reputed Teacher Education Institutions (TEIs) such as IITs, NITs, Central Universities, or State Universities • Member 1: External representative, such as a School Headmaster or PG Teacher from a CBSE school • Member 2: Internal member, the concerned subject teacher educator from the home institution • Member 3: Internal member assigned by the HoD within the home institution
B.5.7 Functions and Responsibilities of IEC	
	Based on careful observation, marks for each internship record are awarded by both the guide teacher assigned by the school and the teacher educator (concerned faculty at institute) responsible for the respective records.
B.6.0 Attendance Policy	
	Every student is expected to maintain 100% attendance in all academic activities.
B.6.1 Attendance Requirements for Courses	
	<ul style="list-style-type: none"> • As per NCTE regulations, each semester shall include 15–16 weeks of teaching–learning activities. A semester consists of 125 working days, including continuous assessments but excluding admission processes, as stipulated in The Gazette of India, No. 509, dated October 26, 2021, or 15–16 weeks of teaching–learning activities excluding end-semester examinations, or a minimum of 96 working days excluding admission processes and end-semester examinations, as per the ITEP Curriculum Framework. • A minimum of 80% attendance is required to appear for end-semester theory examinations, and a minimum of 90% is required for practical examinations. For school experience (internship) and its associated practical and viva-voce examinations, a minimum of 90% attendance is compulsory. • Medical leave and on-duty requests will be considered only with prior intimation to the Head of the Department and the concerned faculty. Only medical certificates issued by the institute hospital and signed by the medical officer will be accepted. On-duty status will be granted for departmental or institutional assignments upon submission of the relevant approval letter.

B.6.2 Attendance Requirements for NCC / NSO / NSS

If a student falls short of the required attendance for NCC / NSO / NSS, the shortage must be addressed as follows:

- a. Absence on valid grounds: The student may compensate for the shortage through extra sessions arranged by the faculty-in-charge.
- b. Unauthorized absence: The shortage must be made up in the following year, subject to the conditions below:
 - 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.
 - For NSO / NSS: Missed sessions must be compensated at a rate of 2 classes for every 1 NSO/NSS session missed.

B.7.0 System of Assessments

Each course will have customized assessment methods, including group tasks, seminars, debates, individual and collaborative assignments, field visit reports, quizzes, laboratory exercises, mini-projects, and an end-of-semester summative assessment.

The total number of assessments for theory courses shall range from 4 to 6.

- The total number of assessments for Laboratory Courses shall range from 2 to 6.

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.

B.7.1 Assessment Weightage

- 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.
- The approved assessment scheme shall be communicated to students at the beginning of the semester along with the finalized course plan.
- The distribution of assessment weightages shall typically follow the guidelines below:

a)	Assessments during the semester	50 - 70%
b)	Final assessment (Entire Syllabus)	30 - 50%
Total		100%

- The Class Committee may also approve any special assessment components or requirements specific to a course, as deemed appropriate.

The Academic Office shall also be informed of the approved scheme of evaluation at the beginning of the semester.

B. 7.2 Records	
	Prospective teachers are required to submit a report in the form of a record for all school internships and teaching practice sessions. These records should be clearly written and based on their actual experiences during the internship. A minimum score of 50% in each internship record is mandatory for the award of the B.Sc. B.Ed. degree.
B 7.3 Compensation Assessment	
	<p>a. Only one absence in the continuous assessment components is permitted. Accordingly, only one compensation assessment will be conducted for eligible students.</p> <p>b. Students requesting a compensation assessment must submit valid supporting documents, as detailed below:</p> <ul style="list-style-type: none"> i. Medical Grounds: 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. ii. Institute-Level Sports Activities: 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). iii. Technical Events / Conferences: 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). <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.7.4 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.7.5 Marking Scheme	
	<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.7.1.</p>
B.7.6 Final Assessment	
	Every theory and laboratory course shall include a final assessment covering the entire syllabus, with a minimum weightage of 30%. 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.

B.7.7 Industrial Lecture Evaluation																													
<ul style="list-style-type: none">• An industrial lecture–based course shall carry 1 credit.• The Department shall arrange a minimum of five lectures, each of two hours duration, delivered by industry professionals.• Evaluation shall typically include quizzes after each lecture, along with appropriate weightage for attendance.• 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.																													
B.7.8 Internship / Industrial Training																													
<ul style="list-style-type: none">• Students can undertake an internship or industrial training for a minimum of six weeks during the summer vacation after the second year or two weeks during the winter vacation.																													
B.8.0 Grading Policy and Guidelines																													
<p>For every course, grades shall be reviewed and finalized by the Performance Analysis Committee (PAC), which consists of all Class Committee members as mentioned in B.5.2 together with the Head of the Department (HoD), but excluding the student representatives. The PAC shall convene within seven days from the last day of the Final Assessment to:</p> <ul style="list-style-type: none">• review student performance across all courses;• finalize the grade ranges for each course;• ensure, through collective judgment, that clustering, grading, and pass/fail decisions are fair, transparent, and academically sound.																													
B.9.1 Grading of Courses																													
<p>All courses shall be evaluated based on the marks obtained across the prescribed assessment components.</p> <ol style="list-style-type: none">a. The minimum passing requirement for a course shall normally be the higher of (Class Average ÷ 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: <table><tr><td>Letter Grade</td><td>S</td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>F</td><td>X</td><td>V</td></tr><tr><td>Grade Point</td><td>10</td><td>9</td><td>8</td><td>7</td><td>6</td><td>5</td><td>0</td><td>-</td><td>-</td></tr></table> <p>‘F’ – Fail; ‘X’ – Absent for the final assessment; ‘V’ – Prevented from the final assessment due to shortage of attendance.</p>										Letter Grade	S	A	B	C	D	E	F	X	V	Grade Point	10	9	8	7	6	5	0	-	-
Letter Grade	S	A	B	C	D	E	F	X	V																				
Grade Point	10	9	8	7	6	5	0	-	-																				

	<p>e. For theory courses with an enrolment of fewer than 10 students, following absolute grading scheme shall be applied.</p> <table border="1" data-bbox="427 280 1406 712"> <thead> <tr> <th>Mark Range</th><th>Grade to be awarded</th></tr> </thead> <tbody> <tr> <td>91 – 100</td><td>S</td></tr> <tr> <td>81 – 90</td><td>A</td></tr> <tr> <td>71 – 80</td><td>B</td></tr> <tr> <td>61 – 70</td><td>C</td></tr> <tr> <td>51 – 60</td><td>D</td></tr> <tr> <td>Max {Class Average ÷ 2, 35%} – 50</td><td>E</td></tr> <tr> <td>< Max {Class Average ÷ 2, 35%}</td><td>F</td></tr> </tbody> </table> <p>f. For theory courses, the 'S' grade shall be awarded to no more than 10% of the students appearing for the course.</p> <p>g. 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.</p>	Mark Range	Grade to be awarded	91 – 100	S	81 – 90	A	71 – 80	B	61 – 70	C	51 – 60	D	Max {Class Average ÷ 2, 35%} – 50	E	< Max {Class Average ÷ 2, 35%}	F
Mark Range	Grade to be awarded																
91 – 100	S																
81 – 90	A																
71 – 80	B																
61 – 70	C																
51 – 60	D																
Max {Class Average ÷ 2, 35%} – 50	E																
< Max {Class Average ÷ 2, 35%}	F																

B.9.2 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	≥ 90	S
Elite with Silver	75 - 89	A
Elite	≥ 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.9.3 Grading for NCC / NSO / NSS Activities

	<ul style="list-style-type: none"> 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.Sc. B.Ed. degree.
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B.10.0 Declaration of Results

	<p>Following the Performance Analysis Committee (PAC) meeting, the Head of the Department (HoD) shall forward the statement of grades, along with the</p>
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	<p>duly completed attendance registers, for all courses to the Academic Office. The results shall be presented to the Senate for approval and subsequently declared.</p> <p>In case any discrepancy is identified, the Chairperson of the Senate is empowered to take appropriate corrective action.</p>
B.11.0 Revaluation	
	<p>a. Reviewing of Answer Papers</p> <ul style="list-style-type: none"> • If a student is dissatisfied 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 of the subsequent semester. Any requests by the students submitted beyond this period will not be considered. • 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. <p>b. Forwarding of Revised Grades</p> <p>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).</p> <p>c. Grievance Redressal</p> <p>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.</p>
B.12.0 Retention of Answer Scripts	
	<p>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.</p>
B.13.0 Supplementary Examination	
	<p>Students who have been awarded an 'F' or 'X' grade in any course and have met the attendance requirements are eligible to appear for the Supplementary Examination.</p>
B.13.1 Scheduling and Conduct	
	<ul style="list-style-type: none"> • 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

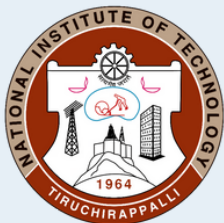
	<p>member nominated by the HoD.</p> <ul style="list-style-type: none">Students must register for all failed courses (with 'F' or 'X' grades) and pay the prescribed fee in order to appear for the Supplementary Examination.															
B.13.2 Evaluation and Reappearance																
	<ul style="list-style-type: none">The Supplementary Examination shall carry 100% weightage on the entire syllabus. Absolute grading shall be adopted, with a minimum pass mark of 35%.Students who do not pass the supplementary examination must continue to appear for it in subsequent semesters until they successfully complete the course.															
B.14.0 Course Repetition																
	<p>a. A student awarded a 'V' grade in a core course must necessarily repeat the course when it is offered in the subsequent semester/summer.</p> <p>b. 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.</p>															
B.15.0 Contact Courses for PC																
	<p>a. Eligibility</p> <ul style="list-style-type: none">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. <p>b. Registration</p> <ul style="list-style-type: none">Only 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.The maximum number of contact courses a student may register for during any semester or summer session is as follows: <table><tr><th>Year</th><th>During Semester</th><th>During Summer</th></tr><tr><td>First year</td><td>Not eligible</td><td>Maximum one course</td></tr><tr><td>Second year</td><td>Not eligible</td><td>Maximum one course</td></tr><tr><td>Third year</td><td>Not eligible</td><td>Maximum two courses</td></tr><tr><td>Fourth year</td><td>Maximum two courses</td><td>Maximum two courses</td></tr></table> <ul style="list-style-type: none">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.	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
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														

	<p>c. Assessment</p> <p>The evaluation process for a contact course shall follow the same guidelines as those for a regular semester course.</p> <p>d. Withdrawal from a contact course is not allowed.</p>
B.16.0 Formative Assessment	
	<p>a. Eligibility</p> <p>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.</p> <p>b. Administration</p> <p>The Head of the Department (HoD) shall conduct the formative assessment in exceptional cases, following senate guidelines and with approval from the Academic Office.</p> <p>c. Registration</p> <ul style="list-style-type: none"> 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 any semester or summer session. <p>d. Grading</p> <ul style="list-style-type: none"> 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.17.0 SGPA and CGPA Calculation	
	<p>a. Semester Grade Point Average (SGPA): 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. Cumulative Grade Point Average (CGPA): 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"> C_i = Credits of the i^{th} course GP_i = Grade points obtained in the i^{th} course n = Total number of courses taken in the semester N = Total number of courses taken in the program

B.17.1 Grade Cards	
	<p>At the end of each semester, every student will receive a grade card containing the following details:</p> <ul style="list-style-type: none"> • Course number, course name, and credits for each course registered during that semester. • Letter grade earned in each course. • Total credits accumulated by the student up to the end of the semester, categorized by course type. <p>Academic performance indicators, including the Semester Grade Point Average (SGPA) for the current semester.</p>
B.17.2 Transcript	
	<p>At the completion of the program, each student will receive a transcript, which is a consolidated grade card covering all semesters, containing the following details:</p> <ul style="list-style-type: none"> • Course number, course name, and credits for every course registered throughout the program semester wise. • Letter grade earned in each course. • Academic performance indicators, including the Semester Grade Point Average (SGPA) for each semester and the Cumulative Grade Point Average (CGPA) for the entire program.
B.18.0 Temporary Break from the Program	
	<ul style="list-style-type: none"> • A student may be allowed to temporarily break from the B.Sc. B.Ed. program for up to two semesters, commencing from the second year onwards. • Such break may be permitted for reasons such as ill health or other valid circumstances, subject to the recommendation of the Head of the Department and approval by the Dean (Academic).
B.19.0 Maximum Duration of the Program	
	<ul style="list-style-type: none"> • The B.Sc. B.Ed. program is designed to be completed within eight semesters. • Students shall not be allowed to exceed a maximum of twelve semesters for program completion under any circumstances. • This maximum duration does not include any officially authorized breaks in study.
B.20.0 Classification of Award of B.Sc. B.Ed. Degree	
	<p>The B.Sc. B.Ed. degree classification shall be determined based on the student's CGPA and fulfillment of requirements outlined in B.21.0:</p> <ol style="list-style-type: none"> 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 breaks of study (as per B.18.0) are excluded from the semester count.

	<p>b. First Class: Awarded to students who earn a CGPA between 6.5 (inclusive) and below 8.5, completing the program within nine semesters plus any authorized breaks.</p> <p>c. Second Class: Awarded to students who secure a CGPA below 6.5 or complete the program within the maximum allowed duration.</p>
B.21.0 Eligibility for the Award of B.Sc. B.Ed. (Secondary stage) Degree	
	<p>A student shall be eligible to receive the B.Sc. B.Ed. (Secondary Stage) degree only upon meeting all of the following criteria:</p> <ol style="list-style-type: none"> Successful completion of all required courses in the program. Attainment of the minimum credit requirements specified in the curriculum for the respective branch within the prescribed timeframe. Fulfillment of the credit requirements across all course categories (PC, PE, OE, ELR, etc.). Completion of the NCC, NSO, or NSS mandatory requirements. Achievement of a Cumulative Grade Point Average (CGPA) of 5.0 and above. Clearance of all outstanding dues to the Institute, Hostels, Library, NCC/NSO/NSS, and other relevant units. No pending disciplinary actions against the student.
B.22.0 Criteria for the Institute Medal	
	<p>The Institute Medal will be awarded to the student with the highest CGPA in the graduating class who completes the program 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.23.0 Withdrawal of Degree	
	<p>In extraordinary circumstances, if a substantial breach of graduation requirements is identified post award of the degree, the Senate may exercise its authority to formally withdraw the conferred degree.</p>
B.24.0 Discipline	
	<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.24.1 Conduct During Examinations and Laboratory Sessions	
	<ul style="list-style-type: none"> Students must adhere to all rules and restrictions set by the Institute. Possession of mobile phones, carrying unauthorized notes, communicating with others, or copying during assessments will be considered serious misconduct. Offenders will be awarded zero marks. In cases of copying, both the student copying and the one being copied from will receive zero marks. All incidents of malpractice and the resulting penalties will be reported to the Academic Office through the Head of the Department.

B.24.2 Disciplinary Action	
	<ul style="list-style-type: none"> Any act of indiscipline will be referred to the Discipline and Welfare Committee, constituted by the Senate. The Committee will investigate and recommend appropriate punishment based on the Student Code of Conduct approved by the Senate. The Senate will review the Committee's recommendations and take necessary action, which will be recorded in the following Senate meeting. Students have the right to appeal to the Chairperson of the Senate against any disciplinary decision.
B.24.3 Ragging	
	<ul style="list-style-type: none"> Ragging in any form is a criminal offense under Central and State laws in India and is punishable by imprisonment. Students found guilty of ragging will be expelled from the Institute and barred from admission to any other educational institution. If individual offenders cannot be identified, collective punishment may be imposed. Every senior student and parent must submit a signed undertaking annually at the time of enrolment, affirming non-involvement in ragging.
B.25.0 Scholarships and Tuition Fee Exemption	
	<p>a. Tuition Fee Revision/Exemption: 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. Scholarships and Other Benefits: The granting of scholarships and related benefits will follow the rules and regulations established by the Government of India.</p>
B.26.0 Power to Modify	
	<p>Despite anything stated in the preceding regulations, the Senate reserves the authority to amend or modify any of these regulations whenever deemed necessary.</p>



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

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