National Institute of Electronics and Information Technology(NIELIT)

A Deemed to be University
UGC Approved University Under Distinct Category
Main Campus: BadaPhull, Ropar (Roopnagar)- Punjab 140001

REGULATIONS

FOR

PG DIPLOMA PROGRAMME

(Effective from the Session: 2024-2025)

APPROVED BY

The Executive Council in its meeting held on

*** Campuses ***

North	North-East	West	South
Gorakhpur	Agartala	Ajmer	Calicut
Patna	Aizawl	Aurangabad	
Ropar	Imphal		
Srinagar	Itanagar		
	Kohima		

REGULATIONS

1. Short Title and Commencement

These regulations shall be called as "The Regulations for the PG Diploma Program of the NIELIT (A Deemed to be University)", effective from the Academic Year 2024-25. The regulations framed are subject to modifications from time to time by NIELIT (A Deemed to be University).

2. Definitions

In the following, unless the context otherwise requires,

i. "Academic Programme" shall mean a programme of courses or any other component leading to a PG Diploma, as approved by the Board of Management from time to time.

ii. "Academic Year" shall mean a period of nearly twelve months devoted to completion of requirements specified in the scheme of courses and the related examinations.

iii. "Candidate" shall mean an individual who applies for admission to any PG Diploma of the University.

iv. "BoM" shall mean the Board of Management of the University.

v. "BoS" shall mean the Board of Studies of the concerned Department.

vi. "Branch" shall mean the branch of knowledge studied by a student.

vii. "CBCS" shall mean the Choice Based Credit System.

viii. "CCC" shall mean Course Co-ordination Committee.

ix. "CGPA" shall mean the Cumulative Grade Point Average.

x. "CoE" shall mean the Controller of Examinations of the University.

xi. "Course" shall mean a curriculum component of the academic programme identified by a designated code number, a title and specific credits assigned to it.

xii. "Degree" shall mean the Master of Technology degree.

xiii. "Department" shall mean Department established in the University for running the academic and research activities in a specified discipline.

xiv. "Discipline" shall mean the branch of knowledge studied by a student.

xv. "DPGC" shall mean the Department Post Graduate Committee.

xvi. "ESE" shall mean the final regular End-Semester Examination.

xvii. "EWS" shall mean the Economically Weaker Sections of the society.

xviii. "Examiner" shall mean the instructor teaching a specified course who has been nominated as

examiner.

xix. "HoD" shall mean the Head of Department.

xx. "MSE" shall mean the Mid-Semester Examination.

xxi. "Paper Setter" shall mean the faculty member responsible for setting a question paper.

xxii. "PD" shall mean differently abled persons as specified by the Government of India from time to time.

xxiii. "PIO" shall mean Person of Indian Origin.

xxiv. "Registration" shall mean registration for a specific course or semester, at the start of the semester, of any programme of the University.

xxv. "SC/ST" shall mean the Scheduled Castes/Scheduled Tribes as notified by the Government of India/Government of NCT of Delhi, as applicable from time to time.

xxvi. "Semester system" shall mean a programme wherein each academic year is apportioned into two semesters.

xxvii. "SGPA" shall mean the Semester Grade Point Average.

xxviii. "Student" shall mean a student registered for a post graduate programme for full-time study leading to the Master of Technology Degree.

xxix. "University" shall mean the NIELIT Deemed to be University.

xxx. "MOOC" shall mean Massive Open Online Course offered by NIELIT/NPTEL

Note: "He", "Him" and "His" implies "he / she", "Him / Her" and "his / her", respectively. Words and expressions used but not defined in these Regulations and defined in the Act and Statutes, shall have the meanings respectively as assigned to them in the Act and Statutes.

3. Minimum qualification for admission

i. For Computer Science and allied Disciplines

3(i)a. The following students are eligible to apply for the Program: (i) Students who have completed minimum any 3 year BSc Degree / BBA/ BCom/ BA Economics / BCA/ (BTech/BE in any Branch)/ B.Voc in Computer Science / Information Technology allied areas, recognized by this University as equivalent thereto (ii) Students who are appearing for their final year exams for the above courses are also eligible. Students should have a minimum of 45% marks.

3(i)b. The candidates should have studied mathematics at plus two levels.

3(i)c. NIELIT 'A' Level in above stream with graduation.

ii.   For Electronics and allied Disciplines

3(ii) a. The following students are eligible to apply for the Program: (i) Students who have completed minimum BE/B.Tech in (ECE/EEE/AEI/CSE/IT/Biomedical/Medical Electronics/ Mechatronics / Chemical Engineering and allied branches) /M.Sc. (Electronics/CS/IT and allied branches)/MCA (ii) Students who are appearing for their final year exams for the above courses are also eligible. Students should have a minimum of 45% marks.

3(ii)b. NIELIT 'A' Level in above streams with graduation.

4. Selection Process for Admission

i. Only the Candidates meeting the minimum eligibility criteria will be eligible for admission.

ii. The eligible candidates have to register online.

iii. The application fees will be as applicable.

iv. The seats will be filled from merit list generated on the basis of percentage of marks obtained in graduation.

v. Admission of the selected candidates will be subject to their verification of documents and payment of applicable fees.

vi. The category-wise Main List (selected) and Waiting List of the candidates for admission to (year 2024-25) to PG Diploma program will be displayed on the website and Notice Board of the University only.

vii. The selected main and waiting list candidates are required to register on the day as notified along with the list of documents asked.

viii. Payment should be made according to the mentioned date failing which their admission to the university course will be treated as null and void.

ix. The candidates are required to produce all the originals certificates and fee at the time of counseling. No relaxation in time will be given for arranging the money or for bringing the original certificates from another place.

x. Admission process of the PG Diploma program will be treated as completed when the approved intake of candidates as per Seat Matrix are provisionally admitted and registered or a time limit decided by the competent authority is over, whichever is earlier.

5. Duration of the program

The course of study for PG Diploma program shall extend over a period of two semesters (one academic year) for students. The curricula and syllabi for the program shall be prescribed from time to time by NIELIT (A Deemed to be University).

6. Medium of instruction and examinations

Medium of instruction and examination shall be in English.

7. Working days in each semester

Each semester shall consist of 80-90 working days. The odd semesters shall be conducted from the month of June/ July to November/ December and the even semesters shall be conducted from December/ January to May/ June in every calendar year.

8. Attendance and Detention

Students of the programme are expected to attend every lecture, tutorial and practical class scheduled for them.

The students must have a minimum attendance of 75% of the total number of classes including lectures, tutorials and practicals, held in a subject till MSE/ESE in order to be eligible to appear in the MSE/ESE for that subject.

The Dean Academics may allow relaxation in the minimum requirement of attendance up-to 10% for reasons to be recorded. This relaxation may be granted on the production of documents showing that the student was either busy in any authorized activities or was absent due to medical/other genuine reasons. The student should submit these documents to the HoD, within seven days of resuming the studies. Certificates submitted later will not be considered. Under exceptional circumstances, the Dean Academics may further relax the minimum attendance up to 5% on recommendation of a committee comprising of Dean Student Welfare, Dean of Faculty and HoD of the respective department.

Relaxation in attendance maybe granted for a maximum of 2 times during the duration of the programme.

A student shall not be permitted to appear in the MSE/ESE if his/her attendance till MSE/ESE is below 60 % after relaxation.

Students who are not allowed to appear in the ESE due to shortage of attendance shall be awarded "FD" grade. Such students shall have to register again for that course in subsequent years / summer semester to pass the course.

A student can register again for a different elective course in subsequent years /summer semester and pass the elective course.

The attendance shall be counted from the date of start of academic session or the actual date of admission, whichever is later.

9. Program/Course credit structure

As per the philosophy of Credit Based Semester System, certain quantum of academic work viz. theory classes, practical classes, project report, internship etc. are measured in terms of credits. On satisfactory completion of the courses, a candidate earns credits. The amount of credit associated with a course is dependent upon the number of hours of instruction per week in that course. Similarly, the credit associated with any of the other academic, co/extra-curricular activities is dependent upon the quantum of work expected to be put in for each of these activities per week.

Course Category Wise Credit Distribution:

Category	Credits
Program Core	15
Core Labs	6
Electives/MOOC	6
Electives Labs	0
Audit Course	0
Open Electives	0
Project / Dissertation	15
Total Credit	42

10 A. Credits and Grade System

a. All programmes shall have credits associated with them as per their Lecture/Tutorial/Practical (LTP) structure and shall be determined as follows:

    i. One lecture hour per week per semester shall be assigned one credit.

    ii. One practical hour per week shall be assigned half credit.

However, the credits associated with every programmes will be a whole number, i.e., wherever the sum comes out to be in half credit on calculation following the aforesaid process, the half shall be rounded to the next whole number.

b. The letter grades based upon the overall mark so obtained in a subject will be as follows:

S.No.	Marks	Letter Grade	Grade Point
1.	>=90	A+	10
2.	80-89	A	9
3.	70-79	B+	8
4.	60-69	B	7
5.	50-59	C+	6
6.	40-49	C	5
7.	35-39	D	4
8.	30-34	E	2
9.	<30	F	0

'E' & 'F' Grade will be treated as Carry Over Paper.

In addition to the above grades, there shall be two more letter grades 'I' and 'AB' which shall stand for Incomplete and Absent Grades, respectively.

c. Semester Grade Point Average (SGPA)

The SGPA is a weighted average of the grade points earned by a student in all the papers credited and described his/her academic performance in a semester. If the grade points associated with the letter grades awarded to a student are g1,g2,g3,gk,etc.and the corresponding credits are c_1,c_2, c_3,c_k, the SGPA is given by:

$$SGPA = \frac{c_1g_1 + c_2g_2 + c_3g_3 + \ldots\ldots\ldots\ldots c_kg_k}{c_1 + c_2 + c_3 + \ldots\ldots\ldots c_k}$$

Where **k** is the number of papers for which the candidate remains registered during the semester.

d. Cumulative Grade Point Average (CGPA)

The Cumulative Grade Point Average (CGPA) indicates the overall academic performance of a student in all the papers registered in that particular academic year. It is computed in the same manner as the SGPA, considering all the papers (say, n), and is given by:

$$CGPA = \frac{\sum_{i=1}^{n} c_1 g_1}{\sum_{i=1}^{n} c_1}$$

e. Final CGPA

It is the weighted average of the CGPA of one year of study.

f. Percentage equivalence of CGPA/ Final CGPA

The conversion of CGPA / Final CGPA to exact percentage of marks does not have perfect rationale. However, its equivalent at best can be arrived at by multiplying by 10.00.

11. Academic work

A regular record of attendance both in Theory and Practical shall be maintained by the teaching staff of respective courses.

12. Course of study

The course of study for PG Diploma program shall include Semester-wise Theory & Sessional. The number of hours to be devoted to each theory, tutorial and practical course in any semester shall not be less than 40 sessions.

13. Examinations/Assessments

13 A. Internal / Sessional Examination

a. The minimum Grade required to pass in each Theory & Practical paper is 'GRADE D'.

b. A candidate, in order to pass must satisfy the requirement of Minimum CGPA of 4.50 in the academic year inclusive of both semesters subject to conditions of clause 12D.

c. In case of audit/qualifying paper the minimum Grade required to pass is Grade D. However, the Grade obtained in audit paper shall not be included in SGPA.

13 B. End-Semester Examination

There will be two End Semester Examinations in all theory and project subjects viz.

Odd (I) Semester Examination and

Even (II) Semester Examination in an academic year.

13 C. Carry Forward of Marks

In case, if a student gets the back in a course/paper, the sessional marks of the subject concerned will carried forward in the total of marks when he re-appears for the examination of the course in which he has got the back.

13 D. Heads of Passing

a) The minimum passing marks in each theory subject (including Internal/ Sessional marks) will be 35%.

b) The minimum passing marks in each comprehensive viva/project will be 50%.

c) A student , in order to pass must satisfy the following:

d) Minimum 45% marks in aggregate of a particular academic year inclusive of both semesters of that academic year subject to the conditions of the clause 7.

13 E. Carry Over System

Maximum number of carry over papers (Theory/ Viva/ Project) permissible for promotion to next semester will be 04.

13 F. Ex-studentship

A candidate opting for ex-studentship shall be required to appear in all theory/practical/viva papers in the end semester examinations of both semesters/ annual examination of the same academic year However, the sessional marks of theory & practical both shall remain the same as those secured earlier. The maximum duration of course completion is two years.

14. Evaluation of Performance

a. **Programmes**

Evaluation of performance of the students in a programme shall be a continuous process based on their performance in the class test, quizzes, assignments and the end semester examinations. Theory papers in semester system (Maximum Marks: 100)

The evaluation will be done through two class test and one end semester examination. This will be in addition to quizzes, assignments, attendance, etc. Each class test will carry a weightage of 10 marks, and the end semester examination will carry a weightage of 70 marks. The remaining 10 marks will be awarded on the basis of attendance and performance in quizzes and assignments.

b. **Summer Training, Project Report, Seminar etc.**

Summer Training, Project Report, Seminar, and other learning oriented activities shall have associated maximum marks and credits, as stated in the syllabus.

Evaluation Scheme			
Exam	*Internal*	*External*	*Total*
Theory	30	70	100
Practical	30	70	100
Research Project Report Evaluation and Viva-Voce	60	140	200

Question paper pattern for End-semester Examinations
I. Long Answers (Answer 1 out of 2) = 5 x 14 = 70
      Total Marks = 70

Question paper pattern for Internal/ Sessional Examinations
Long Answers (Answer 2 out of 3) = 2 x 5 = 10 (each mid-sem)
Total Marks = 20

15. Award of Division

a. The division shall be awarded on the basis of final year result.

b. If a student passes all examinations and secure minimum Final CGPA 4.50 to 5.99, he/ she shall be eligible for the award of SECOND DIVISION.

c. If a student passes all examinations and secure minimum Final CGPA 6.00 to 7.49, he/ she shall be eligible for the award of FIRST DIVISION.

d. If a student passes all examinations in first attempt without change of Grade and secure minimum Final CGPA 7.50 & above, he/ she shall be eligible for the award of FIRST DIVISION WITH HONOURS.

16. Scrutiny and Re-evaluation

a. Scrutiny shall be allowed in only theory papers, in which Re-totaling of the marks awarded will be done and only unchecked answers (if any) will be evaluated.

b. Re-evaluation of theory/ practical papers is not permitted.

17. Unfair Means

Cases of unfair means shall be dealt as per the rules of the University.

18. Result

a. The result of a candidate shall be declared on the basis of the performance of both semesters of the same academic year.

b. Result of the final year shall be declared on the basis of working out Final CGPA which is the weighted average of CGPA of all years of the study.

19. Improvement

There shall be no provision of Improvement examination in all the courses running in the University.

20. Grade Card

a. A copy of the Grade Card shall be issued to each student at the end of each academic year. The duplicate copy, if required can be obtained on payment of prescribed fee.

b. The Grade Report Card of a student may be withheld if he/ she has not paid his/ her dues or if there is a case of indiscipline pending against him/ her or for any other such reasons.

21. Re-Admission

A candidate may be allowed for re-admission provided he/she satisfies one of the following conditions:

a. A candidate is declared fail.

b. A candidate promoted with carryover papers and opts for re-admission.