

K.L.N. COLLEGE OF ENGINEERING

Pottapalayam-630612, Sivagangai District

(An Autonomous Institution, Affiliated to Anna University, Chennai)

REGULATIONS 2024

For Under Graduate Programs

AMENDMENT - I

(Applicable for the students admitted from the Academic Year 2025-2026 onwards)

Amendments to the Regulations 2024 (CBCS) for the UG programmes offered in K.L.N. College of Engineering, Affiliated to Anna University, Chennai, approved in eleventh Academic Council Meeting held on 11.10.2025.

Existing	Revised
4.1 Categorization of Courses Every B.E./B.Tech. Programme will have a curriculum with syllabi consisting of theory and practical courses that shall be categorized as follows: Humanities Social Sciences and Management (HSM) courses include Technical English, Engineering Ethics and Human Values, Communication skills, Environmental Science and Engineering. Basic Sciences (BS) courses include Mathematics, Physics, Chemistry, etc. Engineering Sciences (ES) courses include Industrial Practices, Engineering Graphics, Basics of Electrical / Electronics / Mechanical / Computer Engineering, Instrumentation etc. Professional Core (PC) courses include the core courses relevant to the chosen specialization/branch. Professional Elective (PE) courses include the elective courses relevant to the chosen specialization / branch. - Professional Elective Courses are listed in groups called verticals that represent a particular area of specialisation / diversified group. - Students are permitted to choose all the Professional Electives from a particular vertical or from different verticals. Open Elective (OE) courses include the courses from other branches which a student can choose from the list specified in the curriculum of B.E. / B. Tech. Programmes. Employability Enhancement Courses (EEC) includes Project Work, Internship, Creative and Innovative Project, Seminar, Professional Practices, Industrial/Practical Training. Mandatory Courses (MC) include Personality and Character development and the courses recommended by the regulatory bodies such as AICTE, UGC, etc	4.1 Categorization of Courses Every B.E./B.Tech. Programme will have a curriculum with syllabi consisting of theory and practical courses that shall be categorized as follows: Humanities Social Sciences and Management (HSM) courses include Technical English, Foreign Language, Tamil Heritage, Engineering Ethics and Human Values, Communication skills, Entrepreneurship, Physical Education and Environmental Sciences and Sustainability Basic Sciences (BS) courses include Mathematics, Physics, Chemistry, etc. Engineering Sciences (ES) courses include Industrial Practices, Engineering Graphics, Basics of Electrical / Electronics / Mechanical / Computer Engineering, Instrumentation etc. Professional Core (PC) courses include the core courses relevant to the chosen specialization/branch. Professional Elective (PE) courses include the elective courses relevant to the chosen specialization / branch. - Professional Elective Courses are listed in groups called verticals that represent a particular area of specialisation / diversified group. - Students are permitted to choose all the Professional Electives from a particular vertical or from different verticals. Open Elective (OE) courses include the courses from other branches which a student can choose from the list specified in the curriculum of B.E. / B. Tech. Programmes. Employability Enhancement Courses (EEC) includes Project Work, Internship, Creative and Innovative Project, Seminar, Professional Practices, Industrial/Practical Training. Mandatory Courses (MC) include Personality and Character development and the courses recommended by the regulatory bodies such as AICTE, UGC, etc

Table 4.6 : Mapping of Marks scored in NPTEL course and Credits earned

Letter Grade	Marks
O	90-100
A+	80-89
A	70-79
B+	60-69
B	50-59
C	40-49
U	<40

Table 4.6 : Mapping of Marks scored in NPTEL course and Credits earned

Letter Grade	Marks
S	91-100
A+	81-90
A	71-80
B+	61-70
B	51-60
C+	46-50
C	40-45
U	<40

4.14.1 B.E / B.Tech. (Hons.)

- For the award of B.E./B.Tech. (Hons.), the students should have taken additional courses (minimum of 18 credits) from a vertical of the same programme or more than one vertical of the same programme. Students should have passed all the courses prescribed in the curriculum and additional courses in the first attempt and should have earned a minimum of 7.50 CGPA taking into account of all the courses prescribed in the curriculum and additional courses.
- For these 18 credits students can optionally enroll and study a maximum of 6 credits in online mode from SWAYAM NPTEL platform (in addition to the three online courses permitted for courses of curriculum), as approved by ACM
- The students including lateral entries will be permitted to register the courses from V Semester onwards provided the marks earned by the students until III semester should be of CGPA 7.50 and above and cleared all the courses in the first attempt.
- If a student decides not to opt for Honours, after completing certain number of additional courses, the additional courses studied shall be considered instead of the Professional Elective courses which are part of the curriculum. If the student has studied more number of such courses than the number of Professional Elective Courses required as per the curriculum, the courses with higher grades shall be considered for the calculation of CGPA. Remaining courses shall

4.14.1. B.E / B.Tech. Honours

- Students shall obtain Honours degree by successful completion of additional courses in the 'FIRST APPEARANCE' itself. These additional courses are over and above the courses prescribed in the respective curriculum from 'FIFTH' semester onwards. Additional courses shall be either a 'CAPSTONE DESIGN PROJECT' or 'SIX ELECTIVE COURSES'.
- Students shall earn '**EIGHTEEN**' credits and split up of credits shall be given in the respective curriculum.
- Eligibility for any student admitted under Clause 2.1 of this regulation to opt for the Honours degree is that, the student should earn a minimum CGPA of 7.50 in 'THIRD' and 'FOURTH' semesters together and also students should not have any history of arrears from first semester.
- Eligibility for any student admitted under Clause 2.2 of this regulation to opt for the Honours degree is that, the student should earn a minimum CGPA of 7.50 in 'THIRD' and 'FOURTH' semesters together without any history of arrears

4.14.1.1 Capstone Design Project for 'HONOURS' Degree

- Capstone Design project provides an opportunity to work in a team to design and develop a product, focusing to evolve solutions for real-time problems, starting from Problem definition, Specification formulation within given constraints, Review of design process and design ideation, Human factors, Market research, Product and patent

be printed in the mark sheet, however, they will not be considered for calculation of CGPA. • B.E./B.Tech. (Hons.) shall be offered by the Department irrespective of the number of students enrolled. • If the student has failed in the additional courses or faced shortage of attendance, the courses will not be printed in the grade sheet and will not be considered for CGPA calculation and classification of degree. • The student has to enrol for these additional courses separately and pay a tuition fee for studying these six additional courses and pay additional exam fee.	research, fabrication considerations, Safety and risk assessment, Liability and ethics, Environmental and sustainability considerations, Proof-of-concept methods, Codes and Standards, etc. and finally to test prototype(s). (ii) A group comprising of 4 to 6 students, spread over minimum of two departments and maximum of three departments, shall opt for Capstone Design Project in 'THREE PHASES' from V to VII semester, in addition to the courses as prescribed in the curriculum. It is mandatory that students from at least TWO departments shall be a part of the project group and the number of students from each department shall be at least TWO. (iii) A Mentor shall be identified by the students from any one of the participating Department. Head of the Department of the Mentor's Department with approval of the Head of the Institution, shall constitute a Project Review Committee (PRC) consisting of Mentor, one faculty – from the department of the students (other than the Mentor's Department) in the group and one expert from industry in the relevant field. Student shall also identify Co-Mentor(s) from the participating department(s). (iv) During the Capstone Design Project, the student groups are encouraged to participate in events such as Hackathon, Industrial Expo to showcase and pitch their inventions. (v) Evaluation of Capstone Design Project is by continuous assessment (Three periodical reviews) in each semester by the PRC and Viva-voce examination at the end of each semester. Viva-Voce examination shall be conducted with panel of Internal examiners (PRC) and ONE external examiner. Weightage for Continuous assessment is 60% and for project report evaluation along with Viva-voce examination is 40%. (vi) Every student in the group shall secure a minimum 45% of marks in Project report evaluation & viva-voce examination and also obtain a 50% of total marks in the Continuous assessments + (Project report evaluation & viva-voce examination) for getting 'PASS' in the particular phase of Capstone Design Project. Upon successful completion of the particular phase, the students shall be allowed to proceed to the next phase. In case, if any student in the group is not able to secure 'PASS' as prescribed above, the student shall
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	discontinue from the Capstone Design Project and shall not associate with the Capstone Design Project furthermore. (vii) After earning 'EIGHTEEN' credits through the successful completion of the Capstone Design Project (CDP), 'HONOURS' shall be conferred along with 'Certificate of Appreciation' to the students, who secure 8.50 or higher CGPA, without any history of arrears. If the student in the group, after successful completion of Capstone Design Project secures less than 8.50 CGPA, 'HONOURS' degree shall not be conferred. However, the result of Capstone Design Project shall feature in the Grade sheet and a 'Certificate of Appreciation' shall be issued to those students. 4.14.1.2 Six Elective Courses for 'HONOURS' Degree • The students should have earned minimum of 18 credits through the additional courses from a vertical of the same programme or more than one vertical of the same programme. • If a student decides not to opt for Honours, after completing certain number of additional courses, the additional courses studied shall be considered instead of the Professional Elective courses which are part of the curriculum. If the student has studied more number of such courses than the number of Professional Elective courses required as per the curriculum, the courses with higher grades shall be considered for the calculation of CGPA. Remaining courses shall be printed in the grade sheet, however, they will not be considered for calculation of CGPA. • B.E/B.Tech. (Hons.) shall be offered by the Department irrespective of the number of students enrolled. • On successful completion of six elective courses, 'HONOURS' shall be conferred to the students, who secure a CGPA of 8.50 or higher, without any history of arrears. If the student after successful completion of 'SIX' courses secures less than 8.50 CGPA, 'HONOURS' degree shall not be conferred. • If the student has failed in the additional courses or faced shortage of attendance, the courses will not be printed in the grade sheet and will not be considered for CGPA calculation and classification of degree
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4.14.2 B.E./B.Tech. (Minor with specialization in another discipline)

- For the award of B.E./B.Tech. (Minor with specialization in another discipline), the student should have earned additionally a minimum of 18 credits in any one of the verticals offered from other Engineering Disciplines / Science and Humanities / Management.
- For these 18 credits students can optionally enroll and study a maximum of 6 credits in online mode from SWAYAM NPTEL platform (in addition to the three online courses permitted for courses of curriculum), as approved by ACM.
- The students, including Lateral Entry, shall be permitted to register for the courses from Semester V onwards provided the students have earned a minimum CGPA of 7.50 until Semester III.
- B.E./ B.Tech. Minor shall be offered by the Department irrespective of the number of students enrolled.
- If a student decides not to opt for Minor, after completing certain number of courses, the additional courses studied shall be considered instead of Open Elective courses which are part of the curriculum. If the student has studied more number of such courses than the number of open electives required as per the curriculum, the courses with higher grades shall be considered for calculation of CGPA. Remaining courses shall be printed in the grade sheet; however, they will not be considered for calculation of CGPA and the same shall be indicated in a foot note appropriately.
- If the student has failed in the additional courses or faced shortage of attendance, they will not be printed in the grade sheet and will not be considered for CGPA calculation and classification of degree.
- The student has to enrol for these additional courses separately and pay a tuition fee for studying these six additional courses and pay additional exam fee.

4.14.2 B.E./B.Tech. with Minor Degree

- Students shall be awarded with minor degree upon successful completion of additional courses over and above the courses as prescribed in the respective curriculum from 'FIFTH' semester onwards.
- Students shall earn 'EIGHTEEN' credits and split up of credits shall be prescribed in the respective curriculum.
- Eligibility for any student admitted under Clause 2.1 of this regulation to opt for the Minor degree is that, the student should earn a minimum CGPA of 7.5 in 'THIRD' and 'FOURTH' semesters together and also students should not have any history of arrears from first semester.
- Eligibility for any student admitted under Clause 2.2 of this regulation to opt for the Minor degree is that, the student should earn a minimum CGPA of 7.5 in 'THIRD' and 'FOURTH' semesters together without any history of arrears in Third and Fourth semesters.
- A student shall register for a 'Minor' degree, from the V semester by registering basket of courses as prescribed in the curriculum of the UG Programme offered by the department other than the parent department of the student. Evaluation and 'PASS' requirement of these courses is as per the requirement for Theory & Laboratory Integrated Theory courses respectively.
- In order to get a Minor Degree, a student shall successfully complete the basket of courses as prescribed in the curriculum of the Department offering the Minor Degree and earn 'EIGHTEEN' additional credits. Grades obtained in the basket of courses shall also be considered for computation of CGPA, along with the courses in the curriculum for the programme (mainstream).
- If the student decides to opt out of Minor Degree, after successful completion of certain number of course(s), these course(s) can be treated as equivalent to OE Course. In such case, the student shall be permitted to drop the equal number of OE course.
- If the student successfully completes more number of OE course over and above the courses prescribed in the curriculum, the courses with higher grades shall be considered for the computation of CGPA. Remaining courses shall be only printed on the grade sheet and grade

	obtained in these courses shall not be considered for computation of CGPA. • If the student has failed in the additional courses or faced shortage of attendance, the courses will not be printed in the grade sheet and will not be considered for CGPA calculation and classification of degree • Minor Degree shall be reflected in the degree certificate as “B. E., / B. Tech., in XYZ Engineering with Minor in ABC”, where ‘XYZ’ is the Major Discipline of study and ‘ABC’ is the Discipline in which Minor Degree is offered.									
5 DURATION OF THE PROGRAMMES 5.1 A student is normally expected to complete the B.E. / B.Tech. Programme as shown in the Table 5.1. Table 5.1 Duration of the Programmes <table><tr><th>Admission Stream</th><th>Minimum Duration (Years / Semesters)</th><th>Maximum Duration (Years / Semesters)</th></tr><tr><td>Regular</td><td>4 / 8</td><td>7 / 14</td></tr><tr><td>Lateral Entry</td><td>3 / 6</td><td>6 / 12</td></tr></table> 5.2 Each semester shall normally consist of 75 working days or 540 periods of 50 minutes each. The Head of the Institution shall ensure that every teacher imparts instruction as per the number of periods specified in the syllabus and that the teacher teaches the full content of the specified syllabus for the course being taught. 5.3 The Head of the Institution may conduct additional classes for improvement, special coaching, conduct of model test etc., over and above the specified periods. But for the purpose of calculation of attendance requirement for writing the End Semester Examinations (as per Clause 6) by the students, following method shall be used.	Admission Stream	Minimum Duration (Years / Semesters)	Maximum Duration (Years / Semesters)	Regular	4 / 8	7 / 14	Lateral Entry	3 / 6	6 / 12	5 DURATION OF THE PROGRAMMES 5.1 (i) Duration of the programme is FOUR years (Eight Semesters) for a student admitted to a programme with qualifications as prescribed in Clause 2.1 of the regulations. The student shall successfully complete all the requirements as per the curriculum and regulations of the programme within the above-said duration of ‘FOUR’ years. (ii) Duration of the programme is THREE years (Six Semesters) for a student admitted directly to second year (Lateral entry) with qualifications as prescribed in Clause 2.2 of the regulations. The student shall successfully complete all the requirements as per the curriculum and regulations of the programme within the above-said duration of ‘THREE’ years. 5.2 Each semester shall normally consist of 90 working days or 540 periods of 45 or 50 minutes duration each. The Head of the Institution shall ensure that every teacher imparts instruction as per the number of periods specified in the syllabus and that the teacher teaches the full content of the specified syllabus for the course being taught. 5.3 For the purpose of calculation of attendance requirement for writing the End Semester Examinations (as per Clause 6) by the students, following method shall be used. Percentage of Overall Attendance $= \frac{\text{Actual No. of periods attended in all registered courses (AP)}}{\text{Total No. of periods conducted in all registered courses (TP)}} * 100$ 5.4. (i) The mentioned period in Clause 5.1 (i) & Clause 5.1 (ii) shall be
Admission Stream	Minimum Duration (Years / Semesters)	Maximum Duration (Years / Semesters)								
Regular	4 / 8	7 / 14								
Lateral Entry	3 / 6	6 / 12								

Percentage of Attendance $= \frac{\text{Total No. of periods attended in all the courses per semester}}{(\text{No. of } \frac{\text{periods}}{\text{week}} \text{ as prescribed in the curriculum taken together for all courses of the semester}) * 15} * 100$ 5.4 The total period for completion of the programme reckoned from the commencement of the first semester to which the candidate was admitted shall not exceed the maximum period specified in Clause 5.1 irrespective of the period of break of study (vide Clause 18) in order that he/she may be eligible for the award of the degree (vide Clause 16).	extended for 'ONE' more year to a student, who is permitted to avail the authorized break of study or opt for dropping of courses, as per the regulations. (ii) 'Programme Completion' means that a student shall undergo all the courses as prescribed in the respective curriculum and become eligible for appearing in the end semester examination of all the courses within the period as given in Clauses 5.1 [(i)& (ii)] & 5.4 (i) (iii) After programme completion if there are any arrear course(s), a student shall be permitted to successfully complete the same, within 'SEVEN' years (students admitted under Clause 2.1) and 'SIX' years (students admitted under Clause 2.2). This maximum duration for successful completion shall be reckoned from the commencement of first semester of the programme. (iv) In case of a student prevented from appearing in the end semester examination in all the courses of a semester due to shortage of attendance, the period of prevention shall be treated as a break in the programme. In such a case, total duration for completing the programme including all such prevention periods shall not exceed the above-said 'SEVEN' years (students admitted under Clause 2.1) and 'SIX' years (students admitted under Clause 2.2).
7 ATTENDANCE REQUIREMENTS FOR COMPLETION OF THE SEMESTER 7.1 A student who has fulfilled the following conditions shall be deemed to have satisfied the requirements for completion of a semester. Ideally every student is expected to attend all classes of all the courses and secure 100% attendance. However, in order to give provision for certain unavoidable reasons such as Medical / participation in sports, the student is expected to attend atleast 75% of the classes. Therefore, he/she shall secure not less than 75% (after rounding off to the nearest integer) of overall attendance as calculated as per clause 5.3. 7.2 However, a student who secures overall attendance between 65% and 74.49% in the current semester due to medical reasons (prolonged hospitalization / accident / specific illness) / Participation in Sports events may be permitted to appear for the current semester examinations subject to the condition that the student shall submit the	7 ATTENDANCE REQUIREMENTS FOR COMPLETION OF THE SEMESTER 7.1 A student who has fulfilled the following conditions shall be deemed to have satisfied the requirements for completion of a semester. Ideally every student is expected to attend all classes of all the courses and secure 100% attendance. However, in order to give provision for certain unavoidable reasons such as Medical / participation in sports, the student is expected to attend atleast 80% of the classes. Therefore, he/she shall secure not less than 80% (after rounding off to the nearest integer) of overall attendance as calculated as per clause 5.3. 7.2 For medical reasons, if a student is not able to attend classes, 'Medical Certificate' shall be furnished to the Head of the Institute concerned, within 5 days from the date of reporting back for class work. In the event of student not able to secure 80% attendance, but has at least 70% attendance, such 'Medical Certificate' shall be considered, with the

medical certificate / sports participation certificate attested by the Head of the Institution. The same shall be forwarded to the Controller of Examinations for record purposes. 7.3 Students who secure less than 65% overall attendance shall not be permitted to write the End Semester Examinations and not be permitted to move to the next semester. They are required to repeat the incomplete semester in the next academic year, as per the norms prescribed.	approval of the respective Head of the Department. In this case, the overall percentage of attendance in all the registered courses in a semester is calculated from clause 5.3 with inclusion of 'number of periods during the medical emergency (MEP)' as below; $\% \text{ of Overall Attendance} = \left(\frac{AP}{TP-MEP} \right) * 100$ The student shall be permitted to appear in the End Semester Examinations, if the overall attendance in each registered course is 75% and above. 7.3 The student shall be prevented from appearing in the end semester examination for all courses in a semester, if the overall attendance secured by a student is less than 80% as per clause 7.1 or if the overall attendance in each registered course is less than 75% as per clause 7.2. Such prevented student shall not be permitted to go to next semester. Importantly, such prevented student shall be permitted to rejoin the programme in the semester of prevention, during only in the next academic year and undergo all the courses.
11 SYSTEM OF EXAMINATION 11.1 Performance in each course of study shall be evaluated based on (i) continuous internal assessment throughout the semester and (ii) End Semester Examination. 11.2 Each course, theory course or practical course or theory course with laboratory component (including project work) shall be evaluated for a maximum of 100 marks. 11.2.1 For all theory courses, the continuous internal assessment will carry 40 marks while the End Semester examination will carry 60 marks. 11.2.2 For all theory courses with laboratory component, the continuous internal assessment will carry 50 marks while the End Semester examination will carry 50 marks. 11.2.3 For all laboratory courses, the continuous internal assessment will carry 60 marks while the End Semester examination will carry 40 marks. 11.2.4 The continuous internal assessment for the project work/mini project	11 SYSTEM OF EXAMINATION 11.1 Performance in each course of study shall be evaluated based on (i) continuous internal assessment throughout the semester and (ii) End Semester Examination. 11.2 Each course, theory course or practical course or theory course with laboratory component (including project work) shall be evaluated for a maximum of 100 marks. 11.2.1 For all theory courses, the continuous internal assessment will carry 40 marks while the End Semester examination will carry 60 marks. 11.2.2 For all theory courses with laboratory component, the continuous internal assessment will carry 50 marks while the End Semester examination will carry 50 marks. 11.2.3 For all laboratory courses, the continuous internal assessment will carry 60 marks while the End Semester examination will carry 40 marks. 11.2.4 The continuous internal assessment for the project work/mini project

will carry 60 marks while the End Semester examination will carry 40 marks. 11.3 Industrial training and technical seminar shall carry 100 marks and shall be evaluated through internal assessment only. 11.4 The End Semester examination (theory and practical) of 3 hours duration shall ordinarily be conducted between October and December during the odd semesters and between April and June during the even semesters. 11.5 The End Semester examination for project work/mini project shall consist of evaluation of the final report submitted by the student or students of the project group (of not exceeding 4 students) by an external examiner and an internal examiner, followed by a viva-voce examination conducted separately for each student by a committee consisting of the external examiner, the supervisor of the project group and an internal examiner. 11.6 For the End Semester Examination of theory cum practical and practical courses including Project Work / Mini Project, the internal and external examiners shall be appointed by the Controller of Examinations	will carry 60 marks while the End Semester examination will carry 40 marks. 11.3 (i) Industrial training and technical seminar shall carry 100 marks and shall be evaluated through internal assessment only. (ii) Physical Education I and Physical Education II shall carry 100 marks and are evaluated through internal assessment only. (iii) Foreign Language course shall also carry 100 marks and are evaluated through internal assessment only. There is no credit for this course. (iv) The course 'Standards' shall also carry 100 marks and is evaluated through internal assessment only. One credit is assigned for this course. 11.4 The End Semester examination (theory and practical) of 3 hours duration shall ordinarily be conducted between October and December during the odd semesters and between April and June during the even semesters. 11.5 The End Semester examination for project work/mini project shall consist of evaluation of the final report submitted by the student or students of the project group (of not exceeding 4 students) by an external examiner and an internal examiner, followed by a viva-voce examination conducted separately for each student by a committee consisting of the external examiner, the supervisor of the project group and an internal examiner. 11.6 For the End Semester Examination of theory cum practical and practical courses including Project Work / Mini Project, the internal and external examiners shall be appointed by the Controller of Examinations
12.8 Assessment for Skill Based Courses: Skill Based Courses are one/two credit courses which are offered from second semester for all B.E./B.Tech.students. The course shall carry 100 marks and are evaluated through internal assessment only. Two Internal Assessments shall be conducted and the total marks obtained shall be reduced to 100 marks. The marks may be submitted to CoE through Head of the Department. The grades	12.8. (i) Assessment for Skill Based Course: Skill Based Courses are one/two credit courses which are offered from second semester for all B.E./B.Tech.students. The course shall carry 100 marks and are evaluated through internal assessment only. Two Internal Assessments shall be conducted and the total marks obtained shall be reduced to 100 marks. The marks may be submitted to CoE through Head of the Department. The grades earned by the students for Skill Based Courses will be recorded in the grade sheet. However, the grade will not be

earned by the students for Skill Based Courses will be recorded in the grade sheet. However, the grade will not be considered for CGPA calculation.

considered for CGPA calculation.

(ii) Assessment for Physical Education I and Physical Education II Courses: Students' performance shall be evaluated only through continuous assessment for Physical Education I and Physical Education II. Two tests shall be conducted; first test shall be conducted at the mid-term of the semester and second test shall be conducted at the end of the semester. Students shall undergo the activities as prescribed in the syllabus content of the course. Weightage for tests and activities is given in Table 12.6. Average marks obtained in two assessments that include both tests and activities shall be taken as continuous assessment marks for Physical Education. The grades earned by the students for Physical Education I and Physical Education II shall be printed in the grade sheet. However the grade shall not be considered for GPA/CGPA calculation.

Table: 12.6. Weightage for Continuous Assessment for Physical Education I and Physical Education II

Test	Activity
60%	40%

(iii) Assessment for Foreign Language Course : Foreign Language course if any shall be evaluated through internal assessment only. Two tests shall be conducted and the related activity shall also be conducted. The weightage for the test and activity is given in table 12.7. Foreign Language course has zero credit. All the students should successfully complete the course and shall be reflected in the grade sheet.

Table: 12.7. Weightage for Continuous Assessment for Foreign Language

Test	Activity
60%	40%

14.4 The passing requirement is 50% for the courses which are assessed only through internal assessments (EEC courses except project \work). If a student fails in EEC course (except project work/mini project) / mandatory course / skill based course which are evaluated only through internal assessment, the student shall register for the course again in the subsequent semester, fulfill the norms as specified in clause 14 to earn pass in the course. However, attendance requirement need not be satisfied.

14.4 The passing requirement is 50% for the courses which are assessed only through internal assessments (EEC courses except project work/Mandatory Course/Skill Development Course/Physical Education/Foreign Language/ industrial Training/Technical Seminar). If a student fails in EEC course (except project work/mini project) / Course on 'Standards' /mandatory course / skill based course/Physical Education/Foreign Language/industrial Training/Technical Seminar which are evaluated only through internal assessment, the student shall register for the course again in the subsequent semester, fulfill the norms as specified in clause 14 to earn pass in the course. However, attendance requirement need not be satisfied.

15 AWARD OF LETTER GRADES

15.1 For all theory courses and theory cum practical courses relative grading will be followed. However, in any of the theory courses or theory cum practical courses, if the number of students who have passed that course is less than or equal to 30 then absolute grading shall be followed with the grade range as specified in Table 15.1. For all other courses like Project Work / Internship, Laboratory Courses, Value Added Courses, Skill based Courses Employability Enhancement Courses which are evaluated through internal assessment only absolute grading procedure shall be followed irrespective of the number of students who have passed the course.

Table 15.1 Award of Letter Grades

Letter Grade	Grade Points	Marks range
O (Outstanding)	10	91- 100
A+(Excellent)	9	81-90
A (Very Good)	8	71-80
B+ (Good)	7	61-70
B (Average)	6	56-60
C (Satisfactory)	5	50-55
U (Reappearance)	0	<50
W (Withdrawal)	0	
SA (Shortage of Attendance)	0	

15 AWARD OF LETTER GRADES

15.1 For all courses **absolute** grading will be followed with the grade range as specified in Table 15.1.

Table 15.1 Award of Letter Grades

Letter Grade	Grade Points	Marks range
S (Outstanding)	10	91- 100
A+(Excellent)	9	81-90
A (Very Good)	8	71-80
B+ (Good)	7	66-70
B (Above Average)	6.5	61-65
C+ (Average)	6	56-60
C (Satisfactory)	5	50-55
U (Reappearance)	0	<50
W (Withdrawal)	0	
SA (Shortage of Attendance)	0	

A student is deemed to have passed and acquired the corresponding credits in a Particular course if he/she obtains any one of the following grades: "O", "A+", "A", "B+", "B", "C". 'SA' denotes shortage of attendance and hence prevented from writing End Semester Examination. "U" denotes that the student has failed to pass in that course. "W" denotes withdrawal from the exam for the particular course. The grades and W will figure both in Grade Sheet as well as in Result Sheet. If the grade W is given to course, the attendance requirement need not be satisfied.	A student is deemed to have passed and acquired the corresponding credits in a Particular course if he/she obtains any one of the following grades: "O", "A+", "A", "B+", "B", "C+", "C". 'SA' denotes shortage of attendance and hence prevented from writing End Semester Examination. "U" denotes that the student has failed to pass in that course. "W" denotes withdrawal from the exam for the particular course. The grades and W will figure both in Grade Sheet as well as in Result Sheet. If the grade W is given to course, the attendance requirement need not be satisfied.
15.5. The grades O, A+, A, B+, B, C obtained for the course (not the part of curriculum) shall figure in the Grade Sheet under the title Value Added Courses / Internship / Industrial Training. The courses for which the grades obtained are U, SA will not figure in the Grade Sheet.	15.5. The grades O, A+, A, B+, B, C+,C obtained for the course (not the part of curriculum) shall figure in the Grade Sheet under the title Value Added Courses / Internship / Industrial Training. The courses for which the grades obtained are U, SA will not figure in the Grade Sheet.
15.6 The CGPA earned shall be converted into percentage of marks as follows: Percentage of Marks = CGPA X 10.	15.6 The CGPA earned shall be converted into percentage of marks as follows: Percentage of Marks = CGPA X 10. The percentage of marks shall be printed in the grade sheet
16.2 Classification of the Degree Awarded 16.2.1. FIRST CLASS WITH DISTINCTION : A student who satisfies the following conditions shall be declared to have passed the examination in First class with Distinction: - Should have passed the examination in all the courses of all the eight semesters and 6 semesters in the case of Lateral Entry in the student's First Appearance within five years and four years in the case of Lateral Entry. Withdrawal from examination (vide Clause 17) will not be considered as an appearance. - Should have secured a CGPA of not less than 8.50. - One year authorized break of study (if availed of) is included in the five years and four years in the case of lateral entry) for award of First class with Distinction. - Should not have been prevented from writing end semester	16.2 Classification of the Degree Awarded 16.2.1. FIRST CLASS WITH DISTINCTION : 16.2.1.a. 'Honours' and classified under 'First Class with Distinction'. A student, who fulfills the following criteria shall be declared to have successfully completed the degree programme with 'Honours' and classified under 'First Class with Distinction'. - Should have passed the examination of all the courses prescribed in curriculum of the respective programme in the 'FIRST APPEARANCE' itself, within the prescribed duration as per Clauses 5.1 (i), 5.1 (ii), and 5.4 (i) of this regulations. - Should have passed all additional courses prescribed in curriculum of the respective programme, adhering to Clause 4.14.1 in the 'FIRST APPEARANCE' itself, within the prescribed duration as per clause 5.1(i), 5.1 (ii) and 5.4 (i) of this regulations. - Should have secured a CGPA of at least 8.50 considering the

examination in any of the courses of the Curriculum making up the total credit requirement. - A student who satisfies norms given in clause 4.13 becomes eligible for classification of the degree with B.E./B.Tech. (Hons) and B.E./B.Tech. minor. Details are provided in Table 16.2.1 16.2.2 FIRST CLASS A student who satisfies the following conditions shall be declared to have passed the examination in First class: - Should have passed the examination in all the courses of all eight semesters (6 semesters in the case of Lateral Entry) within five years. (Four years in the case of Lateral Entry). - One year authorized break of study (if availed of) or prevention from writing the End Semester examination due to lack of attendance (if applicable) is included in the duration of five years (Six years in case of Mechanical (Sandwich) and four years in the case of lateral entry) for award of First class. - Should have secured a CGPA of not less than 6.50. - A student who satisfies norms given in clause 4.13 becomes eligible for classification of the degree with B.E./B.Tech. (Honours) and B.E./B.Tech. minor. - Details are provided in Table 16.2.2 16.2.3 SECOND CLASS: B.E./B.Tech. Regular and lateral entry and B.E./B.Tech. minor in other specialisation degree students not covered in clauses 16.2.1 and 16.2.2 who qualify for the award of the degree (vide Clause 16.1) shall be declared to have passed the examination in Second Class. 16.2.4. A student who is absent in End Semester Examination in a course / project work after having registered for the same shall be considered to have appeared in that examination for the purpose of classification 16.2.5 Student earned additional 18 credits as per Clause 4.14.1 and 4.14.2 but does not satisfy the conditions mentioned in 16.2.1 or	curriculum courses. iv) Should have secured a CGPA of not less than 8.50 considering all the courses prescribed in the curriculum and the additional courses. v) Should not have been prevented from appearing for any end semester examination(s), for the courses prescribed in the curriculum. 16.2.1. b. Minor Degree and Classified under ‘First Class with Distinction’ A student, who fulfills the following criteria shall be declared to have successfully completed the degree programme with ‘Minor Degree’ and classified under ‘First Class with Distinction’. - Should have passed the examination of all the courses prescribed in curriculum of the respective programme in the ‘FIRST APPEARANCE’ itself, within the prescribed duration as per Clauses 5.1 (i), 5.1 (ii), and 5.4 (i) of this regulations. - Should have passed additional six courses prescribed in another programme under minor vertical, adhering to Clause 4.14.2 in the ‘FIRST APPEARANCE’ itself, within the prescribed duration as per clause 5.1(i), 5.1 (ii) and 5.4 (i) of this regulations. - Should have secured a CGPA of at least 8.50 considering the curriculum courses. - Should have secured a CGPA of not less than 8.50 considering all the courses prescribed in the curriculum and the additional courses. - Should not have been prevented from appearing for any end semester examination(s), for the courses prescribed in the curriculum. 16.2.1. c. First Class with Distinction: A student who fulfils the following criteria shall be declared to have successfully completed the degree programme as ‘First class with Distinction’ - Should have passed the examination of all the courses prescribed in curriculum of the respective programme in the ‘FIRST APPEARANCE’ itself, within the prescribed duration as per clause 5.1(i), 5.1 (ii) and 5.4 (i) of this regulations.
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16.2.2 shall not be awarded B.E./B.Tech. (Hons.) In such case if the student becomes eligible for First Class, while computing CGPA with the PE/OE courses with higher grades, the student shall be awarded B.E. / B.Tech. in First Class only.	(ii) Should have secured a CGPA of at least 8.50. (iii) Should not have been prevented from appearing for any end semester examination. (iv) Should have opted for Honours, not fulfilled the criteria for conferring Honours degree as per Clause 16.2.1.a upon successful completion of additional courses under Honours vertical in the first appearance itself, but fulfilled the criteria prescribed in Clause 16.2.1.c (i), Clause 16.2.1.c (ii) and Clause 16.2.1.c. (iii) of this regulation. (v) Should have opted for Minor degree and secured CGPA of 8.50 without inclusion of additional SIX courses under MINOR vertical for computation of CGPA, but successfully completed all these SIX additional courses in the first appearance itself. In addition, student should fulfill the criteria prescribed in Clause 16.2.1.c (i), Clause 16.2.1.c (ii) and Clause 16.2.1.c (iii) of this regulation. 16.2.2. FIRST CLASS: 16.2.2. a. Minor Degree and Classified under ‘First Class’: A student who fulfils the following criteria shall be declared to have successfully completed the degree programme as ‘Minor Degree’ and classified under ‘First Class’. (i) Should have passed the examination of all the courses prescribed in curriculum of the respective programme within the prescribed duration as per clause 5.1(i), 5.1 (ii) and 5.4 (i) of this regulations. (ii) Should have passed additional six courses prescribed in another programme under minor vertical, adhering to Clause 4.14.2, within the prescribed duration as per clause 5.1(i), 5.1 (ii) and 5.4 (i) of this regulations. (iii) Should have secured a CGPA of at least 6.50 considering the curriculum courses. (iv) Should have secured a CGPA of not less than 6.50 considering all the courses prescribed in the curriculum and the additional courses. (v) Should not have been prevented from appearing for end semester examination.
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16.2.2. b. First Class:

A student who fulfils the following criteria shall be declared to have successfully completed the degree programme as '**First Class**'

- (i) Should have passed all the courses prescribed in curriculum of the respective programme, within the prescribed duration as per clause 5.1(i), 5.1 (ii) and 5.4 (i) of this regulations.
- (ii) Should have secured a CGPA of at least 6.50 considering the curriculum courses.
- (iii) Should not have been prevented from appearing for end semester examination.
- (iv) Should have opted for Minor Degree, not fulfilled the criteria for conferring Minor Degree in first class as per Clause 16.2.2. a. upon successful completion of additional courses, but fulfilled the criteria prescribed in Clause 16.2.2.b (i), Clause 16.2.2.b (ii) and Clause 16.2.2.b. (iii) of this regulation.

16.2.3. SECOND CLASS:**16.2.3. a. Second Class:**

Student who fulfills the following criteria shall be declared to have successfully completed the degree programme as '**Second Class**'

- i) Should have passed the examination of all the courses within the prescribed duration as per Clauses 5.1 (i), 5.1 (ii), and 5.4 (i) of the regulations and has secured a CGPA below 6.50.

(OR)

- ii) Should have passed the examination of all the courses within the prescribed duration as per Clauses 5.4 (ii) and 5.4 (iii) of the regulations.

16.2.3. b. Minor Degree and Classified under 'Second Class**':**

Should have passed the examination of all the courses prescribed in curriculum and passed additional six courses prescribed in another programme under minor vertical, adhering to Clause 4.14.2. And also fulfill the norms given in clause 16.2.3.a shall be declared to have successfully completed the degree programme as '**Minor Degree**' and classified under '**Second Class**'.

16.2.5 Removed