

# K.L.N. COLLEGE OF ENGINEERING

## Pottapalayam-630612, Sivagangai District

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

### PG – REGULATIONS 2020 AMENDMENTS

Amendments to the Regulations 2020 (CBCS) for PG programmes (students admitted from the academic year 2021-2022 onwards) offered in K.L.N. College of Engineering, Affiliated to Anna University, Chennai, approved in fifth Academic Council Meeting held on 24.09.2022.

<b>Existing</b>	<b>Revised</b>
<p><b>3.6 Value Added Courses:</b></p> <p>The Students have to undergo a minimum of one Value Added Course and the credits earned through the Value Added Courses shall be over and above the total credit requirement prescribed in the curriculum for the award of the degree. One / Two credit courses shall be offered by the department with the prior approval from the Head of the Institution. The details of the syllabus, time table and faculty may be sent to the Academic Council and the Controller of Examinations after approval from the Head of the Institution concerned atleast one month before the course is offered. Students can take a maximum of two 1 credit courses / one 2 credit course during the entire duration of the Programme.</p>	<p><b>3.6 Value Added Courses:</b></p> <p>The Students may optionally undergo Value Added Course and the credits earned through the Value Added Courses shall be over and above the total credit requirement prescribed in the curriculum for the award of the degree. One / Two credit courses may be offered by the department with the prior approval from the Chairman, Academic Council.</p> <p>It is to be noted that the Value added courses offered should not be a course listed in the curriculum of any programme offered in the Institution. The details of the syllabus, time table and faculty may be sent to the Academic Head and the Controller of Examinations after approval from the Head of the Institution, atleast one month before the course is offered. Students can take a maximum of two 1 credit courses / one 2 credit course during the entire duration of the Programme.</p>

Existing	Revised
<p data-bbox="186 279 678 310"><b>11.3 Assessment for Online Courses</b></p> <p data-bbox="186 346 787 714">Students may be permitted to credit one online course (which is provided with certificate) subject to a maximum of three credits. The approved list of online courses will be provided by the Academic Council from time to time. This online course of 3 credits (minimum 8 weeks of course duration) can be considered instead of one elective course</p>	<p data-bbox="812 279 1304 310"><b>11.3 Assessment for Online Courses</b></p> <p data-bbox="812 346 1448 1260">Students may be permitted to credit <b>two or three online courses (which are provided with certificate)</b>, subject to a maximum of six credits. The online course(s) of 3 or 4 credits (12 weeks or 8weeks+4weeks or 8weeks+8weeks) can be considered instead of one elective course. Credit transfer is applicable for maximum of two elective courses for the entire course of study. These online courses shall be chosen from the SWAYAM platform, provided the offering organisation conducts regular examination and provides marks. After successful completion of the online course conducted by organization (SWAYAM), the student has to register the online course in the Institution along with other courses. The course shall be evaluated through continuous assessment (40 Marks) conducted by NPTEL mentor and End Semester Examination conducted by CoE (60 Marks). Grades earned through end semester exam and continuous assessment shall be considered for credit transfer of elective course.</p>

Existing				Revised																																																			
<p><b>11. Procedure for Awarding Marks for Internal Assessment:</b> For all theory and practical courses (including project work) the continuous assessment shall be for a maximum of 30 marks. Assessment of courses is shown in Table 11.1</p> <table border="1"> <thead> <tr> <th>S.No</th> <th>Category of Course</th> <th>Continuous Assessments</th> <th>End-Semester Examinations</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Theory Courses</td> <td>30</td> <td>70</td> </tr> <tr> <td>2</td> <td>Laboratory Courses</td> <td>30</td> <td>70</td> </tr> <tr> <td>3</td> <td>Theory courses with Laboratory Component</td> <td>30</td> <td>70</td> </tr> <tr> <td>4</td> <td>Project Work</td> <td>30</td> <td>70</td> </tr> <tr> <td>5</td> <td>All other EEC Courses</td> <td>100</td> <td>-</td> </tr> </tbody> </table>				S.No	Category of Course	Continuous Assessments	End-Semester Examinations	1	Theory Courses	30	70	2	Laboratory Courses	30	70	3	Theory courses with Laboratory Component	30	70	4	Project Work	30	70	5	All other EEC Courses	100	-	<p><b>11. Procedure for Awarding Marks for Internal Assessment:</b> For all theory, laboratory courses, theory courses with Laboratory Component, mini project and project work, the continuous assessment shall be awarded as per the procedure given in Table 11.1.</p> <table border="1"> <thead> <tr> <th>S.No</th> <th>Category of Course</th> <th>Continuous Assessments</th> <th>End-Semester Examinations</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Theory Courses</td> <td>40 Marks</td> <td>60 Marks</td> </tr> <tr> <td>2</td> <td>Laboratory Courses/Mini Project</td> <td>60 Marks</td> <td>40 Marks</td> </tr> <tr> <td>3</td> <td>Theory courses with Laboratory Component / Laboratory courses with Theory Component</td> <td>50 Marks</td> <td>50 Marks</td> </tr> <tr> <td>4</td> <td>Project Work</td> <td>40 Marks</td> <td>60 Marks</td> </tr> <tr> <td>5</td> <td>All other EEC Courses</td> <td>100 Marks</td> <td>-</td> </tr> </tbody> </table>				S.No	Category of Course	Continuous Assessments	End-Semester Examinations	1	Theory Courses	40 Marks	60 Marks	2	Laboratory Courses/Mini Project	60 Marks	40 Marks	3	Theory courses with Laboratory Component / Laboratory courses with Theory Component	50 Marks	50 Marks	4	Project Work	40 Marks	60 Marks	5	All other EEC Courses	100 Marks	-
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<p><b>11.1 i) Theory Courses</b> Three tests shall be conducted during the semester by the Exam Management Cell (EMC) in a centralized manner. One improvement test is allowed at the end of the semester. The average of best three assessments shall be arrived to 30 marks and rounded to the nearest integer.</p>				<p>The average of best three assessments shall be arrived to 40 marks and rounded to the nearest integer as the continuous internal assessment. Assessment of Theory courses is given in Table 11.1 i)</p>																																																			

**Table 11.1 i) Assessment of Theory Course**

Assessment I (100 marks)		Assessment II (100 marks)		Assessment III (100 marks)	
Assignment/ Case study/ Seminar/ Mini-Project	Written test	Assignment/ Case study/ Seminar/ Mini-Project	Written test	Assignment/ Case study/ Seminar/ Mini-Project	Written test
40	60	40	60	40	60

<b>Existing</b>	<b>Revised</b>
<p><b>11.1 ii) Laboratory Courses</b></p> <p>The maximum marks for Internal Assessment shall be 30 in case of laboratory courses. Every practical exercise / experiment shall be evaluated based on conduct of experiment / exercise and records maintained. There shall be at least two tests namely midterm test and model exam. The criteria for arriving at the Internal Assessment marks of 30 are as follows: 70 marks shall be awarded for successful completion of prescribed experiments done in the laboratory and 30 marks shall be awarded for midterm test and for model exam. The total marks shall be arrived to 30 and rounded to the nearest integer.</p>	<p><b>11.1 ii) Laboratory Courses</b></p> <p>The maximum marks for Internal Assessment shall be 60 in case of laboratory courses. Every practical exercise / experiment shall be evaluated based on conduct of experiment / exercise and records maintained. There shall be at least two tests namely midterm test and model exam. The criteria for arriving at the Internal Assessment marks of 60 are as follows: 75 marks shall be awarded for successful completion of prescribed experiments done in the laboratory and 25 marks shall be awarded for midterm test and for model exam. The total marks shall be arrived to 60 and rounded to the nearest integer. Continuous Internal Assessment of laboratory courses is given in Table 11.1.ii)</p>

**Table 11.1.ii) Assessment of laboratory Course**

<b>S.No</b>	<b>Category</b>	<b>Marks allotted</b>
i.	Evaluation of Laboratory observation, Record	75 Marks
ii.	Test (Mid- term + Model exam)	25 Marks

Existing	Revised
<p><b>11.1.iii) Theory Courses With Laboratory Component</b></p> <p>There shall be three tests. The first two tests (each 100 marks) will be from theory portions and the third test (maximum mark 100) will be for laboratory component. The sum of marks of first two tests shall be arrived to 60 marks and the third test mark shall be arrived to 40 marks. The sum of 100 marks may then be arrived at for 30 rounded to the nearest integer.</p>	<p><b>11.1.iii) Theory Courses With Laboratory Component/ Laboratory Component with Theory courses</b></p> <p>Weightage of internal assessment and end semester examination marks will be 50% each.</p> <p>The distribution of marks for the theory and laboratory components in the internal assessments and end semester examination for different types of courses are provided in the Table 11.1.iii..a. Procedure for awarding the internal marks is shown in Table 11.1.iii..b.</p>

**Table 11.1. iii. a. Theory Courses With Laboratory Component (Weightage of marks)**

L	T	P	C	Internal Assessment		End Semester Examination
1	0	4	3	Laboratory (25%)	Theory (25%)	Laboratory only (50%)
1	0	2	2	Laboratory (25%)	Theory (25%)	Laboratory only (50%)
2	0	2	3	Theory (25%)	Laboratory (25%)	Theory (25%) Laboratory (25%)
2	1	2	4	Theory (25%)	Laboratory (25%)	Theory (35%) Laboratory (15%)
3	0	2	4	Theory (25%)	Laboratory (25%)	Theory (35%) Laboratory (15%)
2	0	4	4	Theory (25%)	Laboratory (25%)	Theory (15%) Laboratory (35%)

**Table 11.1.iii. b. Assessment of Theory Courses with laboratory Component**

Theory component				Laboratory component	
Assessment –I		Assessment –II		Assessment –III	
Individual Assignment / case study/ seminar / mini project	Written test	Individual Assignment / case study/ seminar / mini project	Written test	Evaluation of Laboratory observation, Record	Practical test
<b>40</b>	<b>60</b>	<b>40</b>	<b>60</b>	<b>75</b>	<b>25</b>

<b>Existing</b>	<b>Revised</b>
<p><b>13. END SEMESTER EXAMINATIONS</b></p> <p>13.2 Weightage</p> <p>The following will be the weightage for different courses.</p> <p>i) Theory and Theory cum Lab component based courses</p> <p>Internal Assessment(30) - 30%</p> <p>End Semester Examinations (70) - 70%</p> <p>ii) Laboratory courses</p> <p>Internal Assessment (30) - 30%</p> <p>End Semester Examinations (70) - 70%</p> <p>iii) Project work</p> <p>Internal Assessment (30) - 30%</p> <p>Evaluation of Project Report by external examiner 20 - 20%</p> <p>Viva-Voce Examination 50 - 50%</p> <p>iv) Practical training / summer project / seminar</p> <p>Internal Assessment - 100%</p>	<p><b>13. END SEMESTER EXAMINATIONS</b></p> <p>13.2 Weightage</p> <p>The following will be the weightage for different courses.</p> <p>i. A. Theory Courses</p> <p>Internal Assessment(40) - 40%</p> <p>End Semester Examinations (60) - 60%</p> <p>B. Theory courses with Laboratory component</p> <p>Internal Assessment(50) - 50%</p> <p>End Semester Examinations (50) - 50%</p> <p>ii) Laboratory courses</p> <p>Internal Assessment (60) - 60%</p> <p>End Semester Examinations (40) - 40%</p> <p>iii) Project work as per table 13.2</p> <p>Internal Assessment (40) - 40%</p> <p>Evaluation of Project Report by external examiner (20 ) - 20%</p> <p>Viva-Voce Examination (40 ) - 40%</p> <p>iv) Practical training / summer project / seminar</p> <p>Internal Assessment - 100%</p>

**Table 13.2: Assessment of Project Work**

<b>Continuous Assessment (40 Marks)</b>			<b>End Semester Examination (60 Marks)</b>				
Review 1 (5 Marks)	Review 2 (15Marks)	Review 3 (20Marks)	Report Evaluation (20 Marks)		Viva-Voce (40 Marks)		
Review Committee and Guide			External Examiner	Internal Examiner	External Examiner	Internal Examiner	Supervisor
40			10	10	20	10	10

<b>Existing</b>	<b>Revised</b>
<p><b>14. PASSING REQUIREMENTS</b></p> <p>14.1 A candidate who secures not less than 50% of total marks prescribed for the course with a minimum of 50% of the marks prescribed for each of the course of the End Semester Examinations in both theory and practical courses shall be declared</p>	<p><b>14. PASSING REQUIREMENTS</b></p> <p>14.1 A candidate who secures not less than 50% of total marks prescribed for the course [Internal Assessment + End semester Examinations] <b>with a minimum of 45% of the marks prescribed for the end-semester Examination</b>, shall be declared to have passed the course and acquired the relevant number of credits. This is applicable for both theory, Theory</p>

to have passed in the course and acquired the relevant number of credits.	courses with Laboratory component/ Laboratory courses with Theory component and Laboratory courses (including project work).
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The performance of a student will be reported using letter grades, each carrying certain points as detailed in the table 15.1.

**Table 15.1 Award of Letter Grades**

	<b>Letter Grade</b>	<b>Grade Points</b>	<b>Marks range</b>
R 2020 (students admitted in the academic year 2020-2021)	O (Outstanding)	<b>10</b>	91- 100
	A+(Excellent)	<b>9</b>	81-90
	A (Very Good)	<b>8</b>	71-80
	B+ (Good)	<b>7</b>	61-70
	B (Average)	<b>6</b>	50-60
	RA (Reappearance)	<b>0</b>	<50
	W (Withdrawal)	<b>0</b>	
	SA (Shortage of Attendance)	<b>0</b>	

	<b>Letter Grade</b>	<b>Grade Points</b>	<b>Marks range</b>
R 2020 (students admitted from the academic year 2021-2022 onwards)	O (Outstanding)	<b>10</b>	91- 100
	A+(Excellent)	<b>9</b>	81-90
	A (Very Good)	<b>8</b>	71-80
	B+ (Good)	<b>7</b>	61-70
	B (Average)	<b>6</b>	56-60
	C (Satisfactory)	<b>5</b>	50-55
	U (Reappearance)	<b>0</b>	<50
	WD (Withdrawal)	<b>-</b>	

Note:

Fixed grading is applicable for all laboratory courses and for the theory courses in which students enrollment is less than or equal to 30. Relative Grading is applicable for all theory courses in which student enrollment is greater than 30.

Existing	Revised
<p><b>17.2 Classification of the Degree Awarded</b></p> <p><b>17.2 First Class</b></p> <p>A student who satisfies the following conditions shall be declared to have passed the examination in First class:</p> <p><b>M.E.(Full Time), M.B.A. (Full Time) and M.C.A. (Full Time)</b></p> <ul style="list-style-type: none"> <li>• Should have passed the examinations in all the courses of all four semesters within Three years, which includes one year of authorized break of study (if availed) or prevention from writing the End Semester Examination due to lack of attendance (if applicable).</li> <li>• In case of one year authorized break of study (if availed of) or prevention from writing the End Semester examination due to lack of attendance (if applicable), should have passed all the examination in all the courses of all eight semesters within four years (three years in the case of lateral entry).</li> <li>• Should have secured a CGPA of not less than 7.00.</li> </ul> <p><b>M.E. Part time (Day Time)</b></p> <ul style="list-style-type: none"> <li>• Should have passed the examinations in all the courses of all six semesters within four years, which includes one year of authorized break of study (if availed) or prevention from writing the End Semester Examination due to lack of attendance (if applicable).</li> <li>• <b>Should have secured a CGPA of not less than 7.00.</b></li> </ul>	<p><b>17.2 Classification of the Degree Awarded</b></p> <p><b>17.2 First Class</b></p> <p>A student who satisfies the following conditions shall be declared to have passed the examination in First class:</p> <p><b>M.E.(Full Time), M.B.A. (Full Time) and M.C.A. (Full Time)</b></p> <ul style="list-style-type: none"> <li>• Should have passed the examinations in all the courses of all four semesters within Three years, which includes one year of authorized break of study (if availed) or prevention from writing the End Semester Examination due to lack of attendance (if applicable).</li> <li>• <b>Should have secured a CGPA of not less than 6.5.</b></li> </ul> <p><b>M.E. Part time (Day Time)</b></p> <ul style="list-style-type: none"> <li>• Should have passed the examinations in all the courses of all six semesters within four years, which includes one year of authorized break of study (if availed) or prevention from writing the End Semester Examination due to lack of attendance (if applicable).</li> <li>• <b>Should have secured a CGPA of not less than 6.5.</b></li> </ul>