

VELAMMAL ENGINEERING COLLEGE, CHENNAI -66
(An autonomous Institution affiliated to Anna University, Chennai)

REGULATIONS 2023

CHOICE BASED CREDIT SYSTEM

Degree of Bachelor of Engineering/Bachelor of Technology

**(For the students admitted to B.E. / B.Tech. Programme during the
Academic year 2023 – 2024 onwards)**

DEGREE OF BACHELOR OF ENGINEERING / BACHELOR OF TECHNOLOGY

This Regulation is applicable to the students admitted to B.E./B.Tech. Programmes from the academic year 2023-2024 onwards

1. PRELIMINARY DEFINITIONS AND NOMENCLATURE

In these Regulations, unless the context otherwise specifies

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| I | “Programme” means Degree Programme, that is B.E./B.Tech. Degree Programme. |
| II | “Discipline” means specialization or branch of B.E./B.Tech. Degree Programme, like Mechanical Engineering, Information Technology, etc. |
| III | “Course” means a theory or practical subject that is normally studied in a semester, like Engineering Graphics, Circuit Theory , etc. |
| IV | "Dean- Academics" means the authority of the Autonomous Institution who is responsible for all academic activities of the institute, for implementation of relevant rules and regulations. |
| V | "Controller of Examinations" means the Authority of the Institution who is responsible for all activities of the Semester End Examinations of all Departments and hereafter called COE |
| VI | “Head of the Institution” means the Principal of the College. |
| VII | “Head of the Department (HoD)” means head of the Department concerned. |
| VIII | “ University” means ANNA UNIVERSITY Chennai. |

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| 2. | ADMISSION |
| 2.1 | <p>Candidates seeking admission to the first semester of the eight semester B.E./B.Tech. Degree Programme:</p> <p>Should have passed the Higher Secondary Examinations of (10+2) Curriculum (Academic Stream) prescribed by the Government of Tamil Nadu with Mathematics, Physics and Chemistry as three of the four subjects of study under Part-III or any examination of any other University or authority accepted by the Syndicate of Anna University as equivalent thereto.</p> <p style="text-align: center;">(OR)</p> <p>Should have passed the Higher Secondary Examination of Vocational stream (Vocational groups in Engineering / Technology) as prescribed by the Government of Tamil Nadu.</p> |
| 2.2 | <p>Lateral entry admission</p> <p>The candidates who possess the Diploma in Engineering / Technology awarded by the State Board of Technical Education, Tamilnadu or its equivalent are eligible to apply for Lateral entry admission to the third semester of B.E. / B.Tech. as per the rules fixed by Govt. of Tamilnadu.</p> <p style="text-align: center;">(OR)</p> <p>The candidates who possess the Degree in Science (B.Sc.) (10+2+3 stream) with Mathematics as a subject at the B.Sc. Level are eligible to apply for Lateral entry admission to the third semester of B.E. / B.Tech.</p> <p>Such candidates shall undergo two additional Engineering subject(s) in the third and fourth semesters as prescribed by the Board of studies /Institution.</p> |
| 3 | <p>UG PROGRAMMES OFFERED</p> <p>A student may be offered admission to any one of the branches of study approved by AICTE, New Delhi and Anna University, Chennai. Details of branches of study currently being offered by the Institution are listed below:</p> <ol style="list-style-type: none"> 1. B.E. Automobile Engineering 2. B.E. Civil Engineering 3. B.E. Computer Science and Engineering 4. B.E. Computer Science and Engineering (Cyber Security) 5. B.E. Electrical and Electronics Engineering 6. B.E. Electronics and Communication Engineering 7. B.E. Electronics and Instrumentation Engineering 8. B.E. Mechanical Engineering 9. B.Tech. Artificial Intelligence and Data Science. 10. B.Tech. Information Technology |

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| 4 | STRUCTURE OF PROGRAMMES |
| 4.1 | <p>Categorization of Courses</p> <p>Every B.E./B. Tech. Programme will have a curriculum with syllabi consisting of theory and practical courses that shall be categorized as follows:</p> <ol style="list-style-type: none"> I. Humanities and Social Sciences including management Courses (HSMC) include Professional English, Communication skills etc. II. Basic Sciences Courses (BSC) include Mathematics, Physics, Chemistry, Environmental science etc. III. Engineering Sciences Courses (ESC) include Engineering Practices, Engineering Graphics, Basics of Civil / Mechanical / Electrical / Electronics /Instrumentation / Computer Engineering etc. IV. Professional Core Courses (PCC) include the core courses relevant to the chosen specialization / branch. V. Professional Elective Courses (PEC) include the elective courses relevant to the chosen specialization/ branch. VI. Open Elective Courses (OEC) include the courses offered by a branch to other branches, from the list specified in the respective curriculum of the B.E / B.Tech programmes. VII. Employability Enhancement Courses (EEC) include Project Work, Internship, Seminar, Professional Practices, Case Study and Industrial/Practical Training. VIII. Mandatory courses (MC -Non Credit) include Heritage of Tamils, Tamils and technology, Introduction to women and Gender studies, Elements of literature, Film appreciation, disaster management, Wellbeing with traditional practices (Yoga, Ayurveda and Siddha), History of Science and technology in India, Political and economic thought for a human society, state, nation building and politics in India, Industrial Safety etc. |
| 4.2 | <p>Personality and Character development</p> <p>All students shall enroll, on admission, in any one of the personality and character development programmes NCC/NSS/NSO/YRC and undergo training / conduct activities for about 80 hours and attend a camp of about seven days. The training shall include classes on hygiene and health awareness and also training in first-aid. Alternately, activities of science, literature and arts also help for personality and character development. So, students shall conduct and participate actively in Science club/Literary Forum/Fine Arts activities for 80 hours and participate in at least ONE event</p> |

| | <p>National Cadet Corps (NCC) will have about 20 parades.</p> <p>National Service Scheme (NSS) will have social service activities in and around the College / Institution.</p> <p>National Sports Organization (NSO) will have sports, Games, Drills and Physical exercises.</p> <p>Youth Red Cross (YRC) will have activities related to social services in and around College/Institutions.</p> <p>While the training activities will normally be during weekends, the camp will normally be during vacation period.</p> <p>Science club shall organize activities of popularization of science and scientific temper through activities related to astronomy, works of great scientists from India and abroad, observing National Science Day, etc.</p> <p>Literary Club like ‘Tamil Ilakkiya Mandram’ shall be formed, which shall organise colourful literary events to propagate good humanist values, morals and ethics reflected in the literature.</p> <p>Fine Arts Club like music, painting and documentary films with social themes shall be encouraged.</p> <p>Students who enroll and take active participation in anyone of the above activities for 80 hours and participate at least one event/programme will be given a certificate by the Head of the Institution and the copy of the same shall be forwarded to the Controller of Examinations for the purpose of record and scrutiny.</p> | | | | | | | | |
|--|--|-------------------------|---------|------------------|---|-------------------|---|--|-----|
| 4.3 | <p>Number of courses per semester</p> <p>Each semester curriculum shall normally have a blend of lecture courses not exceeding 7 Theory courses and Laboratory integrated theory courses and 4 Employability Enhancement Course(s) and Practical Courses. However, the total number of courses per semester shall not exceed 10. Each Course shall have credits assigned as per clause 4.4</p> | | | | | | | | |
| 4.4 | <p>Credit Assignment</p> <p>Each course is assigned certain number of credits based on the following:</p> <table border="1"> <thead> <tr> <th>Contact Period per week</th><th>CREDITS</th></tr> </thead> <tbody> <tr> <td>1 Lecture Period</td><td>1</td></tr> <tr> <td>1 Tutorial Period</td><td>1</td></tr> <tr> <td>1 Laboratory Period—(also for Employability Enhancement courses like Seminar / Project Work / Case study / etc.)</td><td>0.5</td></tr> </tbody> </table> | Contact Period per week | CREDITS | 1 Lecture Period | 1 | 1 Tutorial Period | 1 | 1 Laboratory Period—(also for Employability Enhancement courses like Seminar / Project Work / Case study / etc.) | 0.5 |
| Contact Period per week | CREDITS | | | | | | | | |
| 1 Lecture Period | 1 | | | | | | | | |
| 1 Tutorial Period | 1 | | | | | | | | |
| 1 Laboratory Period—(also for Employability Enhancement courses like Seminar / Project Work / Case study / etc.) | 0.5 | | | | | | | | |

| 4.5 | <p>Industrial training / Internship</p> <p>The students may undergo Industrial training for a period as specified in the Curriculum during the summer / winter vacation. In this case, the training has to be undergone continuously for a period of at least two weeks in an organization. The students may undergo Internship at a Research organization / University/ Industry (after due approval from the Head of the Department) for the period prescribed in the curriculum during the summer / winter vacation, in lieu of Industrial training. Attendance Certificate mentioning the period of Industrial Training / Internship signed by the competent authority of the industry, as per the format provided by the Controller of Examinations shall be submitted to the Head of the Department. The attendance certificate shall be forwarded to the COE, for processing the results.</p> <table border="1" data-bbox="320 701 1412 880"> <thead> <tr> <th>DURATION OF TRAINING / INTERNSHIP</th><th>CREDITS</th></tr> </thead> <tbody> <tr> <td>2 Weeks*</td><td>1</td></tr> <tr> <td>4 Weeks</td><td>2</td></tr> <tr> <td>6 Weeks</td><td>3</td></tr> </tbody> </table> <p style="text-align: center;">*1 week = 40 internship hours.</p> | DURATION OF TRAINING / INTERNSHIP | CREDITS | 2 Weeks* | 1 | 4 Weeks | 2 | 6 Weeks | 3 |
|-----------------------------------|--|-----------------------------------|---------|----------|---|---------|---|---------|---|
| DURATION OF TRAINING / INTERNSHIP | CREDITS | | | | | | | | |
| 2 Weeks* | 1 | | | | | | | | |
| 4 Weeks | 2 | | | | | | | | |
| 6 Weeks | 3 | | | | | | | | |
| 4.6 | <p>Industrial Visit</p> <p>Every student is required to go for at least one Industrial Visit every semester starting from the second year of the programme. The Heads of Departments shall ensure that necessary arrangements are made in this regard.</p> | | | | | | | | |
| 4.7 | <p>Value Added Courses</p> <p>The students may optionally undergo Value Added Courses (VAC) over and above the topics covered in the curriculum to obtain practical and industry specific knowledge. The credits earned through the Value Added Courses shall be over and above the total credit requirements prescribed in the curriculum for the award of the degree. One / Two-credit courses shall be offered by a Department of an institution with the prior approval from the Head of the Institution. The details of the syllabus, time table and course coordinator may be sent to the COE at least one month before the course is offered for approval. Students can take a maximum of two one-credit courses / one two-credit course during the entire duration of the Programme.</p> | | | | | | | | |
| 4.8 | <p>Online courses</p> <p>Students may be permitted to credit a maximum of two online courses, subject to a maximum of six credits, with the approval of the Dean Academics and the Head of the institution, in lieu of open elective / professional elective courses. The Head of the Institution shall form a three-member committee with members as HOD and a faculty member from the Department of the student, HOD of any other branch of the Institution to ensure that the student has not studied such courses and would not repeat it again as Professional Core/Professional Elective/Open Elective courses. Suitable online courses shall be chosen from the SWAYAM/Skill India platform.</p> | | | | | | | | |

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| 4.9 | <p>Mandatory courses</p> <p>The student may study mandatory courses prescribed by the Curriculum and it will be mentioned in the Grade Sheet. However, it will not be considered for the computation of CGPA.</p> | | | | | | | | | | | | | | | |
| 4.10 | <p>B.E. / B. Tech. (Hons) Specialisation in the same discipline, B.E. / B. Tech. (Hons) and B.E. / B. Tech. minor in other specialisation.</p> <p>(i) B.E./B.Tech. Honours (specialisation in the same discipline):</p> <ul style="list-style-type: none">• The student should have earned additionally a minimum of 18 credits from a vertical of the same programme.• Should have passed all the courses in the first attempt.• Should have earned a minimum CGPA of 7.50. <p>(ii) B.E / B.Tech. Honours</p> <ul style="list-style-type: none">• The students should have earned additional courses (minimum of 18 credits) from more than one vertical of the same programme.• Should have passed all the courses in the first attempt.• Should have earned a minimum CGPA of 7.50. <p>(iii) B.E./B.Tech. (minor in other specialisation)</p> <p>1. The student should have earned additionally a minimum of 18 credits in any one of the verticals of other B.E/B.Tech programmes or from any one of the following verticals</p> <table><tr><td>VERTICAL I</td><td>:</td><td>FINTECH AND BLOCK CHAIN</td></tr><tr><td>VERTICAL II</td><td>:</td><td>ENTREPRENEURSHIP</td></tr><tr><td>VERTICAL III</td><td>:</td><td>PUBLIC ADMINISTRATION</td></tr><tr><td>VERTICAL IV</td><td>:</td><td>BUSINESS DATA ANALYTICS</td></tr><tr><td>VERTICAL V</td><td>:</td><td>ENVIRONMENT AND SUSTAINABILITY</td></tr></table> <p>2. Students can earn maximum of 6 credits in online mode (SWAYAM/Skill India platform), out of these 18 credits as approved by Dean Academics</p> <p>3. B.E./ B. Tech. (Hons) Specialisation in the same discipline, B.E / B.Tech. Honors and B.E./B.Tech. minor in other specialisation degree will be optional for the students.</p> <p>4. For the categories 4.10 (i) and 4.10 (ii), the students 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.</p> <p>5. For the category 4.10 (iii), the students will be permitted to register the courses from Semester V onwards provided the marks earned by the students until Semester III is CGPA 7.50 and above.</p> <p>6. 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</p> | VERTICAL I | : | FINTECH AND BLOCK CHAIN | VERTICAL II | : | ENTREPRENEURSHIP | VERTICAL III | : | PUBLIC ADMINISTRATION | VERTICAL IV | : | BUSINESS DATA ANALYTICS | VERTICAL V | : | ENVIRONMENT AND SUSTAINABILITY |
| VERTICAL I | : | FINTECH AND BLOCK CHAIN | | | | | | | | | | | | | | |
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| VERTICAL V | : | ENVIRONMENT AND SUSTAINABILITY | | | | | | | | | | | | | | |

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| | <p>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 mark sheet, however, they will not be considered for the calculation of CGPA.</p> <p>7. 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 mark sheet, however, they will not be considered for the calculation of CGPA.</p> |
| 4.11 | <p>Medium of Instruction</p> <p>The medium of instruction is English for all courses, examinations, Seminar presentations and Project Work reports.</p> <p>However the two courses 23GE101T Heritage of Tamils & 23GE102T Tamils and Technology may be written in English or Tamil</p> |
| 5 | DURATION OF THE PROGRAMME |
| 5.1 | A student is ordinarily expected to complete the B.E. / B.Tech. Programme in 8 semesters (for HSC students) and six semesters (for Lateral Entry students) but in any case not more than 14 Semesters for HSC (or equivalent) students and not more than 12 semesters for Lateral Entry students. |
| 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 | <p>The Head of the Department may conduct additional classes for improvement, special coaching, model test etc., over and above the specified periods. But for the purpose of calculation of attendance requirement for writing the semester end examinations (as per clause 6) by the students, following method shall be used.</p> $\text{Percentage of Attendance} = \frac{\text{Total no of periods attended in all the courses per semester}}{\text{Total no of periods allotted in that semester for all the courses as per the curriculum}} \times 100$ <p>The Semester end Examination will normally follow immediately after the last working day of the semester as per the academic schedule prescribed from time to time.</p> |
| 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). |

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| 6 | COURSE REGISTRATION |
| 6.1 | <p>Each student has to register for all courses to be undergone in the curriculum of a particular semester (with the facility to drop courses to a maximum of 6 credits (vide clause 6.2)). The courses dropped in earlier semesters can be registered in the subsequent semesters when offered.</p> <p>The registration details of the student shall be approved by the Dean – Academics and forwarded to the Controller of Examinations. This registration is for undergoing the course as well as for writing the semester end examinations.</p> |
| | <p>The courses that a student registering in a particular semester may include</p> <ul style="list-style-type: none"> i. Courses of the current semester. ii. Courses dropped in the previous semesters. |
| 6.2 | Flexibility to Drop courses |
| 6.2.1 | A student has to earn the total number of credits specified in the curriculum of the respective Programme of study in order to be eligible to obtain the degree. |
| 6.2.2 | From the third to final semesters, the student has the option of dropping the existing courses in a semester during registration. Total number of credits of such courses shall not exceed 6 per semester. The student is permitted to drop the course(s) within 30 days of the commencement of the academic schedule. |
| 7. | ATTENDANCE REQUIREMENTS FOR COMPLETION OF THE SEMESTER |
| 7.1 | <p>A student who has fulfilled the following conditions shall be deemed to have satisfied the requirements for completion of a semester.</p> <p>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 at least 75% of the classes.</p> <p>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.</p> |
| 7.2 | <p>However, a student who secures overall attendance between 65% and 74% 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 medical certificate / sports participation certificate attested by the Head of the Institution.</p> <p>If the student secures overall attendance between 65% and 74 % for other reasons, the student may or may not be allowed for the examinations by the head of the institution. If allowed in such cases condonation fee is applicable. The decision to levy the condonation fee for such cases is under the sole discretion of the head of the institution.</p> <p>The same shall be forwarded to the Controller of Examinations for record purposes.</p> |
| 7.3 | Students who secure less than 65% overall attendance shall not be permitted to |

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| | write the semester end examinations at the end of the semester and not 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. |
| 8 | CLASS ADVISOR |
| | <p>There shall be a class advisor for each class. The class advisor will be one among the course-instructors of the class. He / She will be appointed by the Head of the department concerned. The class advisor is the ex-officio member and the Convener of the class committee. The responsibilities for the class advisor shall be:</p> <ul style="list-style-type: none"> • To act as the channel of communication between the HOD and the students of the respective class. • To collect and maintain various statistical details of students. • To help the chairperson of the class committee in planning and conduct of the class committee meetings. • To monitor the academic performance of the students including attendance and to inform the class committee. • To attend to the students' welfare activities like awards, medals, scholarships and industrial visits. |
| 9. | CLASS COMMITTEE |
| 9.1 | <p>Every class shall have a class committee consisting of teachers of the class concerned, student representatives and a chairperson who is not teaching the class. Its objective is with the overall goal of improving the teaching- learning process. The functions of the class committee include:</p> <ul style="list-style-type: none"> • Solving problems experienced by students in the class room and in the laboratories. • Clarifying the regulations of the degree programme and the details of rules therein particularly (clause 5 and 7). • Informing the student representatives, the academic schedule including the dates of assessments and the syllabus coverage for each assessment. • Informing the student representatives, the details of Regulations regarding weightage used for each assessment. In the case of practical courses (laboratory / drawing / project work / seminar etc.) the breakup of marks for each experiment / exercise / module of work, should be clearly discussed in the class committee meeting and informed to the students. • Analyzing the performance of the students of the class after each test and finding the ways and means of solving problems, if any. • Identifying the weak students, if any, and requesting the teachers concerned to provide some additional help or guidance or coaching to such |

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| | students. |
| 9.2 | The class committee for a class under a particular branch is normally constituted by the Head of the Department. However, if the students of different branches are mixed in a class (like the first semester which is generally common to all branches), the class committee is to be constituted by the Head of the Institution. |
| 9.3 | The class committee shall be constituted within the first week of each semester. |
| 9.4 | At least 4 student representatives (usually 2 boys and 2 girls) shall be included in the class committee, covering all the elective courses. |
| 9.5 | The Chairperson of the class committee may invite the Class adviser(s) and the Head of the Department to the class committee meeting. |
| 9.6 | The Head of the Institution may participate in any class committee meeting of the department. |
| 9.7 | The Chairperson is required to prepare the minutes of every meeting, submit the same to Head of the Institution within two days of the meeting and arrange to circulate it among the students and teachers concerned. If there are some points in the minutes requiring action by the management, the same shall be brought to the notice of the Management by the Head of the Institution. |
| 9.8 | The first meeting of the class committee shall be held within one week from the date of commencement of the semester, in order to inform the students about the nature and weightage of assessments within the framework of the Regulations. Two or three subsequent meetings may be held in a semester at suitable intervals. The Class Committee Chairman shall put on the Notice Board the cumulative attendance particulars of each student at the end of every such meeting to enable the students to know their attendance details to satisfy the clause 6 & 7 of this Regulation. During these meetings the student members representing the entire class, shall meaningfully interact and express the opinions and suggestions of the other students of the class in order to improve the effectiveness of the teaching-learning process. |
| 10. | COURSE COMMITTEE FOR COMMON COURSES Each common theory course offered to more than one discipline or group, shall have a “Course Committee” comprising of all the teachers teaching the common course with one of them nominated as Course Coordinator. The nomination of the Course Coordinator shall be made by the Head of the Department / Head of the Institution depending upon whether all the teachers teaching the common course belong to a single department or to several departments. The ‘Course committee’ shall meet in order to arrive at a common scheme of evaluation for the test and shall ensure a uniform evaluation of the tests. Wherever feasible, the course committee may also prepare a common question paper for the internal assessment test(s). |
| 11. | SYSTEM OF EXAMINATIONS |
| 11.1 | Performance in each course of study shall be evaluated based on (i) continuous |

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| | internal evaluation throughout the semester and (ii) Semester End Examination. |
| 11.2 | Each course, both theory and practical (including project work & viva voce Examinations) shall be evaluated for a maximum of 100 marks. |
| | <p>For all theory courses, the continuous internal evaluation will carry 40 marks while the Semester End Examination will carry 60 marks.</p> <p>For all theory courses with laboratory component, the continuous internal evaluation will carry 50 marks while the Semester End Examination will carry 50 marks. (Refer Clause 12.3)</p> <p>For all Practical courses, the continuous internal evaluation will carry 60 marks while the Semester End Examination will carry 40 marks.</p> <p>The continuous internal evaluation for the project work will carry 40 marks while the Semester End Examination will carry 60 marks.</p> |
| 11.3 | Internship, Technical Seminar, Comprehension, Mini project, Survey Camp, Industrial Training, Quantitative Aptitude & Verbal Reasoning, Quantitative Aptitude & Behavioural Skills, Quantitative Aptitude & Communication Skills and Quantitative Aptitude & Soft Skills shall carry 100 marks and shall be evaluated through continuous internal evaluation only. |
| 11.4 | The semester end 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 semester end examination for project work 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 semester end examination in both theory and practical courses including project work the internal and external examiners shall be appointed by the Controller of Examinations. |
| 12. | PROCEDURE FOR AWARDING MARKS FOR INTERNAL ASSESSMENT |
| | For all theory, practical courses, theory courses with laboratory component and project work the continuous assessment shall be awarded as per the procedure given below: |
| 12.1 | <p>ASSESSMENT FOR THEORY COURSES</p> <p>Three assessments shall be conducted during the semester by the Department concerned. The total marks obtained in all assessments shall be proportionately reduced for 40 marks and rounded to the nearest integer as shown below.</p> |

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| | Continuous Internal Evaluation (CIE) | | SEMESTER END EXAMINATION(SEE) | | | | | | |
| | CIE 1 & CIE 2 | CIE3 / MODEL EXAM | | | | | | | |
| | CIE 1 : Units 1 & 2 CIE 2 : Units 3 & 4 Duration : 1.5 Hrs. TOTAL : 50 Marks | All Five Units Duration : 3.00 Hrs Total : 100 Marks | SEE : All five Units Duration : 3.00 Hrs. Total : 100 Marks | | | | | | |
| | CIE Internal marks (Out of 40 Marks) will be calculated as follows CIE 1 : 8 Marks (20%) CIE 2 : 8 Marks (20%) CIE3 / Model : 10 Marks (25%) Assignment 1 : 4 marks (10%) Assignment 2 : 4 marks (10%) Skill Assessment : 6 marks (15%) Total : 40 Marks | | Grade sheet will contain <table><tr><td>CIE</td><td>40 Marks</td></tr><tr><td>SEE</td><td>60 Marks</td></tr><tr><td>Total</td><td>100 Marks</td></tr></table> | CIE | 40 Marks | SEE | 60 Marks | Total | 100 Marks |
| | CIE | 40 Marks | | | | | | | |
| SEE | 60 Marks | | | | | | | | |
| Total | 100 Marks | | | | | | | | |
| Assignment 1: After Unit I (Evaluated and submitted along with CIE 1) Assignment 2: After Unit III (Evaluated and submitted along with CIE 2) Skill Assessment: Assessed for the tasks assigned such as Mini project, Model Building, Seminar, Quiz, Case Study, Program debugging, Article Review, Circuit debugging and Simulation based on the nature of the subject. (Assigned in the beginning of the semester, evaluated and submitted along with CIE3/Model Examination) | | | | | | | | | |
| 12.2 | ASSESSMENT FOR PRACTICAL COURSES | | | | | | | | |
| | The maximum marks for Internal Assessment shall be 60 in case of practical courses. Every practical exercise / experiment shall be evaluated based on conduct of experiment / exercise and records maintained. The criteria for arriving at the Internal Assessment marks is as follows: | | | | | | | | |
| | Continuous Internal Evaluation (CIE) | | SEMESTER END EXAMINATION(SEE) | | | | | | |
| | CIE 1 & CIE 2 | CIE3/MODEL EXAM | | | | | | | |
| | CIE 1 : 1 st Cycle of Experiments CIE 2 : 2 nd Cycle of Experiments TOTAL : 10 Marks / Experiments | CIE3: All experiments Duration : One lab session Total : 100 Marks | SEE : All experiments Duration : 3.00 Hrs. Total : 100 Marks | | | | | | |
| | CIE Internal marks will be calculated as follows CIE 1 : 15 Marks CIE 2 : 15 Marks CIE3 : 30 Marks Total : 60 Marks | | Grade sheet will contain <table><tr><td>CIE</td><td>60 Marks</td></tr><tr><td>SEE</td><td>40 Marks</td></tr><tr><td>Total</td><td>100 Marks</td></tr></table> | CIE | 60 Marks | SEE | 40 Marks | Total | 100 Marks |
| CIE | 60 Marks | | | | | | | | |
| SEE | 40 Marks | | | | | | | | |
| Total | 100 Marks | | | | | | | | |

| 12.3 | <p>ASSESSMENT FOR THEORY COURSES WITH LABORATORY COMPONENT</p> <p>Weightage of internal assessment and semester end examinations marks will be 50% each. The distribution of marks for the theory and laboratory components in the internal assessments and semester end examinations for different types of courses are provided in the table.</p> <p>The procedure for the conduct of internal assessments for theory and laboratory components shall be as per the clause 12.1 and 12.2 respectively.</p> <table><tr><th rowspan="3">L</th><th rowspan="3">T</th><th rowspan="3">P</th><th rowspan="3">C</th><th colspan="6">Internal</th><th rowspan="3">Semester End Examinations</th></tr><tr><th colspan="2">CIE 1</th><th colspan="2">CIE 2</th><th colspan="2">CIE 3</th></tr><tr><th>Theory</th><th>Lab</th><th>Theory</th><th>Lab</th><th>Theory</th><th>Lab</th></tr><tr><td>1</td><td>0</td><td>4</td><td>3</td><td>9%</td><td>5%</td><td>9%</td><td>5%</td><td>15%</td><td>7%</td><td>Laboratory only (50%)</td></tr><tr><td>2</td><td>0</td><td>2</td><td>3</td><td>5%</td><td>9%</td><td>5%</td><td>9%</td><td>7%</td><td>15%</td><td>Theory only (50%)</td></tr><tr><td>3</td><td>0</td><td>2</td><td>4</td><td>7%</td><td>7%</td><td>7%</td><td>7%</td><td>11%</td><td>11%</td><td>Theory only (50%)</td></tr></table> | L | T | P | C | Internal | | | | | | Semester End Examinations | CIE 1 | | CIE 2 | | CIE 3 | | Theory | Lab | Theory | Lab | Theory | Lab | 1 | 0 | 4 | 3 | 9% | 5% | 9% | 5% | 15% | 7% | Laboratory only (50%) | 2 | 0 | 2 | 3 | 5% | 9% | 5% | 9% | 7% | 15% | Theory only (50%) | 3 | 0 | 2 | 4 | 7% | 7% | 7% | 7% | 11% | 11% | Theory only (50%) |
|--|---|--|-------|------------------|-------|--------------------------------------|-------------------|--------------------------------------|-------------------|-----------------------|--|---------------------------|---------------|---------------------------|----------------|--|-----------------|--|------------------------|-----|-------------------|-----|--------|------------------|-------|------------------|-------|------------------|-------|-------------------|-------------------|-------|-------------------|-------------------|-----------------------|---|---|---|----|----|----|----|----|----|-----|-------------------|---|---|---|---|----|----|----|----|-----|-----|-------------------|
| L | T | | | | | P | C | Internal | | | | | | Semester End Examinations | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | CIE 1 | | CIE 2 | | | CIE 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Theory | Lab | Theory | Lab | | | Theory | Lab | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 0 | 4 | 3 | 9% | 5% | 9% | 5% | 15% | 7% | Laboratory only (50%) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 0 | 2 | 3 | 5% | 9% | 5% | 9% | 7% | 15% | Theory only (50%) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 0 | 2 | 4 | 7% | 7% | 7% | 7% | 11% | 11% | Theory only (50%) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12.4 | <p>ASSESSMENT FOR PROJECT WORK</p> <p>Project work may be allotted to a single student or to a group of students not exceeding 4 per group. The Head of the department shall constitute a review committee for project work for each branch of study. There shall be three reviews during the semester by the review committee. The student shall make presentation on the progress made by him / her before the committee. The total marks obtained in the three reviews shall be reduced for 40 marks and rounded to the nearest integer (as per the scheme given in 12.4).</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <p>The project report shall carry a maximum of 20 marks. The project report shall be submitted as per the approved guidelines as given by Dean – Academics</p> <table><tr><th colspan="6">Continuous Internal evaluation 40 Marks</th><th colspan="5">Semester End Examination 60 Marks</th></tr><tr><th colspan="2">Review I (10)</th><th colspan="2">Review II (10)</th><th colspan="2">Review III (20)</th><th colspan="2">Report Evaluation (20)</th><th colspan="3">Viva – Voice (40)</th></tr><tr><th>Review Committee</th><th>Guide</th><th>Review Committee</th><th>Guide</th><th>Review Committee</th><th>Guide</th><th>External Examiner</th><th>Internal Examiner</th><th>Guide</th><th>External Examiner</th><th>Internal Examiner</th></tr><tr><td>7</td><td>3</td><td>7</td><td>3</td><td>15</td><td>5</td><td>10</td><td>10</td><td>10</td><td>20</td><td>10</td></tr></table> <p>Same mark shall be awarded to every student within the project group for the project report. The viva-voce examination shall carry 40 marks. Marks are awarded to each student of the project group based on the individual performance in the viva-voce examination.</p> | Continuous Internal evaluation 40 Marks | | | | | | Semester End Examination 60 Marks | | | | | Review I (10) | | Review II (10) | | Review III (20) | | Report Evaluation (20) | | Viva – Voice (40) | | | Review Committee | Guide | Review Committee | Guide | Review Committee | Guide | External Examiner | Internal Examiner | Guide | External Examiner | Internal Examiner | 7 | 3 | 7 | 3 | 15 | 5 | 10 | 10 | 10 | 20 | 10 | | | | | | | | | | | | |
| Continuous Internal evaluation 40 Marks | | | | | | Semester End Examination 60 Marks | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Review I (10) | | Review II (10) | | Review III (20) | | Report Evaluation (20) | | Viva – Voice (40) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Review Committee | Guide | Review Committee | Guide | Review Committee | Guide | External Examiner | Internal Examiner | Guide | External Examiner | Internal Examiner | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 3 | 7 | 3 | 15 | 5 | 10 | 10 | 10 | 20 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12.4.1 | <p>If a candidate fails to submit the project report on or before the specified deadline, he/she is deemed to have failed in the Project Work and shall re-register</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| | for the same in a subsequent semester. |
| 12.5 | ASSESSMENT FOR INTERNSHIP / TECHNICAL SEMINAR / COMPREHENSION / MINI PROJECT / SURVEY CAMP / INDUSTRIAL TRAINING / QUANTITATIVE APTITUDE & VERBAL REASONING / QUANTITATIVE APTITUDE & BEHAVIOURAL SKILLS / QUANTITATIVE APTITUDE & COMMUNICATION SKILLS / QUANTITATIVE APTITUDE & SOFT SKILLS |
| 12.5.a | ASSESSMENT FOR INTERNSHIP / MINI PROJECT / SURVEY CAMP / INDUSTRIAL TRAINING <p>These course shall be evaluated through Continuous internal evaluation only. At the end of the course, the student shall submit a detailed report on the work undergone and a certificate from the organization concerned. The evaluation will be made based on this report and a Viva-Voce Examination, conducted internally by a three-member Departmental Committee constituted by the HOD. A photo copy of the certificates (issued by the Organization) submitted by the student shall be attached to the mark list and sent to COE by the HOD with due recommendations.</p> |
| 12.5.b | ASSESSMENTS FOR TECHNICAL SEMINAR <p>The technical seminar shall be evaluated through Continuous internal evaluation only. Every student is expected to present a minimum of 1 seminar before the evaluation committee and for each seminar, marks can be equally apportioned. The three-member committee appointed by Head of the department / Institution will evaluate the seminar and at the end of the semester the marks can be consolidated and taken as the final mark. The evaluation shall be based on the seminar paper (40%), presentation (40%) and response to the questions asked during presentation (20%).</p> |
| 12.5.c | ASSESSMENTS FOR COMPREHENSION <p>The students will be assessed 100% internally through objective type questions at the end of the semester on all the subject related topics</p> |
| 12.5.d | ASSESSMENTS FOR QUANTITATIVE APTITUDE & VERBAL REASONING / QUANTITATIVE APTITUDE & BEHAVIOURAL SKILLS / QUANTITATIVE APTITUDE & COMMUNICATION SKILLS / QUANTITATIVE APTITUDE & SOFT SKILLS. <p>These course shall be evaluated through Continuous internal evaluation only. The criteria for arriving at the Assessment marks is as follows:</p> |

| | | | | | | | |
|---------------|--|--|-----|-----------|-----|---|-------|
| | Continuous Internal Evaluation (CIE) | | | | | | |
| | CIE 1 & CIE 2 | CIE3 / MODEL EXAM | | | | | |
| | CIE 1 : Units 1 & 2 CIE 2 : Units 3 & 4 Duration : 1.5 Hrs. TOTAL : 50 Marks | All Five Units Duration : 3.00 Hrs Total : 100 Marks | | | | | |
| | CIE marks will be calculated as follows CIE 1 : 20 Marks (20%) CIE 2 : 20 Marks (20%) CIE3 / Model : 40Marks (40%) Assignment 1 : 5 marks (5%) Assignment 2 : 5 marks (5%) Assignment 3 : 10 marks (10%) Total : 100 Marks | Grade sheet will contain <table><tr><td>CIE</td><td>100 Marks</td></tr><tr><td>SEE</td><td>-</td></tr><tr><td>Total</td><td>100 Marks</td></tr></table> | CIE | 100 Marks | SEE | - | Total |
| CIE | 100 Marks | | | | | | |
| SEE | - | | | | | | |
| Total | 100 Marks | | | | | | |
| 12.5.e | ASSESSMENTS FOR NCC Courses The NCC Credit course shall carry 100 marks and shall be evaluated through internal assessments only. Two Assessments shall be conducted preferably one in the middle and the other at the end of the course by the course instructor concerned. The total marks obtained in the tests shall be reduced to 100 marks and rounded to the nearest integer. The Course Instructor is responsible for maintaining and processing the records with regard to assessment marks and results. | | | | | | |
| 12.6 | ASSESSMENT FOR ONLINE COURSES Students may be permitted to earn Online Courses(SWAYAM/Skill India platform - which are provided with certificate) with the approval of Board of Studies subject to a maximum of six credits. This Online Course of 6 credits (SWAYAM/Skill India platform) can be considered instead of one open Elective / professional elective courses. Additionally, students can also earn a maximum of 6 credits in online mode (SWAYAM/Skill India platform), out of the 18 credits for the B.E. / B. Tech. (Hons) Specialisation in the same discipline, B.E. / B. Tech. (Hons) and B.E. / B. Tech. minor in other specialisation. The scores obtained during online certification will be considered for awarding the grade. | | | | | | |
| 12.7 | Internal Marks approved by the COE shall be displayed by the respective HoDs before the commencement of semester end examinations. | | | | | | |
| 12.8 | ATTENDANCE AND ASSESSMENT RECORD Every teacher is required to maintain an 'ATTENDANCE AND ASSESSMENT | | | | | | |

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| | <p>RECORD' which consists of attendance marked in each lecture or practical or project work class, the test marks and the record of class work (topic covered), separately for each course. This should be submitted to the Head of the department periodically (at least three times in a semester) for checking the syllabus coverage and the records of test marks and attendance. The Head of the department will affix his/her signature and date after due verification. At the end of the semester, the record should be verified by the Head of the Institution. The document must be kept in safe custody for a period of five years.</p> <p>Additionally, the attendance shall be entered in the ROVAN software at the end of each working day. The CIE/Assignment marks shall be entered question wise in the ROVAN software to facilitate Course Outcome/Program Outcome attainments.</p> |
| 13. | <p>REQUIREMENTS FOR APPEARING FOR SEMESTER END EXAMINATIONS</p> <p>A candidate shall normally be permitted to appear for the semester end Examinations for all the courses registered in the current semester (vide clause 6) if he/she satisfies the semester completion requirements (subject to Clause 7).</p> <p>A candidate who has already appeared for any subject in a semester and passed the examination is not entitled to reappear in the same subject for improvement of grades.</p> |
| 14. | PASSING REQUIREMENTS |
| 14.1 | <p>A candidate who secures not less than 50% of the total marks prescribed for the course [Internal Assessment + Semester End Examinations] with a minimum of 45% of the marks prescribed for the semester end Examination, shall be declared to have passed the course and acquired the relevant number of credits. This is applicable for both theory and practical courses (including project work).</p> |
| 14.2 | <p>If a student fails to secure a pass in a theory course / practical course (except electives), the student shall register and appear only for the semester end examination in the subsequent semester(s). In such case, the internal assessment marks obtained by the student in the first appearance shall be retained and considered valid for all subsequent attempts till the student secures a pass.</p> <p>However, from the third attempt onwards if a student fails to obtain pass marks (Internal Assessment + Semester End Examination), then the student shall be declared to have passed the examination if he/she secures a minimum of 50% marks prescribed for the Semester End Examinations alone.</p> |
| 14.3 | <p>If the course, in which the student has failed, is a Professional Elective or an Open Elective course, the student may be permitted to complete the same course in the subsequent semester(s). In such case, the internal assessment marks obtained by the student in the first appearance shall be retained and considered valid for all subsequent attempts till the candidate secures a pass. However, from the third attempt onwards if a candidate fails to obtain pass marks (Internal Assessment + Semester End Examinations) as per clause 14.1, then the candidate</p> |

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| | <p>shall be declared to have passed the examination if he/she secures a minimum of 50% marks prescribed for the Semester End Examinations alone.</p> <p>If any other Professional Elective or Open Elective course is opted by the student, the previous registration is cancelled and henceforth it is to be considered as a new Professional Elective or Open Elective course. The student has to register and attend the classes, earn the continuous assessment marks, fulfill the attendance requirements as per clause 7 and appear for the Semester End Examinations.</p> |
| 14.4 | If a student is absent during the viva - voce examination of the project work, it will be considered as fail. |
| 14.5 | The passing requirement for the courses which are assessed only through internal assessments (Internship / Technical seminar, etc), is 50% of the internal assessment (continuous assessment) marks. |
| 14.6 | A student can apply for revaluation of the student's semester end examination answer paper in a theory course, within 2 weeks from the declaration of results, on payment of a prescribed fee along with the prescribed application to the COE through the Head of the Department. The COE will arrange for the revaluation and the results will be intimated to the student concerned through the Head of the Department. Revaluation is not permitted for practical course and project work. |
| 14.7 | <p>The passing requirement for NCC Credit courses shall be 50% of the marks prescribed for the course (Internal assessment only). The grades O, A+, A, B+, B and C obtained shall figure in the Mark sheet under the title 'NCC Credit Courses'. The other grades U, SA will not figure in the mark sheet. The credits earned through NCC Credit courses shall not be considered for calculating GPA and CGPA. The credits earned through NCC credit courses shall not be considered for classification of degree. If the course is offered during any semester, it will appear in that semester's mark sheet.</p> |
| 14.8 | ASSESSMENT FOR MANDATORY COURSES |
| | <p>For all mandatory courses (except Induction program and Personality and character development) Continuous internal evaluation and Semester end examination will be similar to theory examination as per clause vide 12.</p> <p>Mandatory 2-week long induction program WITHOUT ASSESSMENT will be conducted for the UG students admitted in the institution. Normal classes start only after the induction program. Its purpose is to make the students feel comfortable in their new environment, open them up, set a healthy daily routine, create bonding in the batch as well as between faculty and students, develop awareness, sensitivity and understanding of the self, people around them, society at large, and nature.</p> |
| 15. | AWARD OF LETTER GRADES |
| | The award of letter grades for theory courses will be decided based on relative grading principle. The relative grading is applicable to ONLY those students who |

have passed the examination as per the passing requirements enumerated above. For those students who have passed the theory course, the relative grading shall be done. The marks of those students who have passed only shall be given as input into the software developed for relative grading. The evolved relative grading method normalizes the results data using the BOX-COX transformation method and computes the grade range for each course separately and awards the grade to each student.

For a given theory course, if the students' strength is greater than 30, the relative grading method shall be adopted. However, if the students' strength is less than 30 then the fixed grading shall be followed with the grade range as specified below.

| | | | | | | |
|--------|-------|-------|-------|-------|-------|-----|
| O | A+ | A | B+ | B | C | U |
| 91-100 | 81-90 | 71-80 | 61-70 | 56-60 | 50-55 | <50 |

Fixed grading shall be followed with the grade range as specified below for award of grades for online NPTEL courses

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

For Practical courses and project work absolute grading method is to be followed as specified in the table above.

The performance of a student shall be reported using letter grades, each carrying certain points as detailed below:

| Letter Grade | Grade Points* |
|-----------------------------|---------------|
| O (Outstanding) | 10 |
| A + (Excellent) | 9 |
| A (Very Good) | 8 |
| B + (Good) | 7 |
| B (Average) | 6 |
| C (Satisfactory) | 5 |
| U (Re-appearance) | 0 |
| SA (Shortage of Attendance) | 0 |
| W (Withdrawal) | 0 |

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| | <p>First Class: Should have secured a CGPA of not less than 6.50. 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”.</p> <p>‘SA’ denotes shortage of attendance and hence prevented from writing the semester end examinations. ‘SA’ will appear only in the result sheet.</p> <p>“U” denotes that the student has failed to pass in that course. “W” denotes withdrawal from the exam for the particular course. The grades U and W will figure both in the Grade Sheet as well as in the Result Sheet. In both cases, the student has to reappear for the Semester End Examinations.</p> <p>If the grade U is given to Theory Courses/ Practical Courses it is not required to satisfy the attendance requirements, but has to reappear for the Semester End Examinations. and fulfil the passing requirements to earn a pass in the respective courses.</p> <p>If the grade U is given to EEC (Employability Enhancement Course) (except Project Work), which are evaluated only through internal assessment, the student shall register for the course again in the subsequent semester, fulfil the passing requirements to earn pass in the course. However, attendance requirement need not be satisfied.</p> |
| 15.2 | <p>GRADE SHEET</p> <p>After results are declared, Grade Sheets will be issued to each student which will contain the following details:</p> <ul style="list-style-type: none"> • The college in which the candidate has studied • The list of courses enrolled during the semester and the grade scored. • The Grade Point Average (GPA) for the semester and • The Cumulative Grade Point Average (CGPA) of all courses enrolled from first semester onwards. <p>GPA for a semester is the ratio of the sum of the products of the number of credits for courses acquired and the corresponding points to the sum of the number of credits for the courses acquired in the semester.</p> <p>CGPA will be calculated in a similar manner, considering all the courses registered from first semester. U grades will be excluded for calculating GPA and CGPA.</p> $\text{GPA / CGPA} = \frac{\sum_{i=1}^n C_i GP_i}{\sum_{i=1}^n C_i}$ |

| | |
|-------------|---|
| | <p>Where,</p> <p>C_i is the number of Credits assigned to the course</p> <p>G_{Pi} is the point corresponding to the grade obtained for each course</p> <p>n is number of all courses successfully cleared during the particular semester in the case of GPA and during all the semesters in the case of CGPA.</p> |
| 16. | ELIGIBILITY FOR THE AWARD OF THE DEGREE |
| 16.1 | <p>A student shall be declared to be eligible for the award of the B.E./B.Tech. Degree provided the student has</p> <ol style="list-style-type: none"> I. Successfully gained the required number of total credits as specified in the curriculum corresponding to the student's programme within the stipulated time. II. Successfully completed the course requirements, appeared for the Semester end examinations and passed all the subjects prescribed in all the 8 semesters within a maximum period of 7 years and 6 years in the case of Lateral Entry reckoned from the commencement of the first (third in the case of Lateral Entry) semester to which the candidate was admitted. III. Successfully passed any additional courses prescribed by the Board of Studies, whenever readmitted under regulations R 2023 (vide clause 18.3) IV. Successfully completed the NCC / NSS / NSO / YRC requirements. V. No disciplinary action pending against the student. VI. The award of Degree must have been approved by the Academic council. |

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|--|--|--|---|-------------|------------------|---|---|--|
| 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: | | | | | | | | |
| Degree (i) | Duration of programme (ii) | Duration permitted (iii) | Additional credits above the requirement of curriculum (iv) | CGPA (v) | Pass in (vi) | Break of study (vii) | Prevention due to lack of attendance | Withdrawal from writing semester end examinations (viii) |
| B.E./ B.Tech. (Regular) | 4 years | 5 years | - | 8.50 | First attempt | One year authorised break of study included in the Duration permitted (iii) | Not permitted | Will not be considered as an attempt |
| B.E./B.Tech. Lateral Entry | 3 years | 4 years | - | 8.50 | First attempt | One year authorised break of study included in the Duration permitted (iii) | Not permitted | Will not be considered as an attempt |
| B.E./B.Tech. (Honours) Specialisation in the same discipline | 3/4 years (Lateral entry, Regular respectively) | 4/5 years (Lateral entry, Regular respectively) | 18 credits from any one vertical of the same programme | 8.50 | First attempt | One year authorised break of study included in the Duration permitted (iii) | Not permitted | Will not be considered as an attempt |

| Degree (i) | Duration of programme (ii) | Duration permitted (iii) | Additional credits above the requirement of curriculum (iv) | CGPA (v) | Pass in (vi) | Break of study (vii) | Prevention due to lack of attendance | Withdrawal from writing semester end examinations (viii) |
|--|--|--|---|-------------|------------------|---|---|--|
| B.E./B.Tech. (Honours) | 3/4 years (Lateral entry, Regular respectively) | 4/5 years (Lateral entry, Regular respectively) | 18 credits from more than one verticals of the same programme | 8.50 | First attempt | One year authorised break of study included in the Duration permitted (iii) | Not permitted | Will not be considered as an attempt |
| B.E./B.Tech. minor in other specialisation | 3/4 years (Lateral entry, Regular respectively) | 4/5 years (Lateral entry, Regular respectively) | 18 credits from any one vertical of the other programme | 8.50 | First attempt | One year authorised break of study included in the Duration permitted (iii) | Not permitted | Will not be considered as an attempt |

16.2.2 FIRST CLASS

A student who satisfies the following conditions shall be declared to have passed the examination in First class:

| Degree (i) | Duration of programme (ii) | Duration permitted (iii) | Additional credits (iv) | CGPA (v) | Pass in (vi) | Break of study (vii) | Prevention due to lack of attendance | Withdrawal from writing end semester examination (viii) |
|--|---|---|--|-----------------|---------------------|---|---|--|
| B.E./B.Tech. (Regular) | 4 years | 5 years | - | 6.50 | - | One year authorised break of study included in the Duration permitted (iii) | Included in the Duration permitted (iii) | - |
| B.E./B.Tech. Lateral Entry | 3 years | 4 years | - | 6.50 | - | One year authorised break of study included in the Duration permitted (iii) | Included in the Duration permitted (iii) | - |
| B.E./B.Tech. (Honours) Specialisation in the same discipline | 3/4 years (Lateral entry, Regular respectively) | 4/5 years (Lateral entry, Regular respectively) | 18 credits from any one vertical of the same programme | 7.50 | First attempt | One year authorised break of study included in the Duration permitted (iii) | Not permitted | Will not be considered as an attempt |
| B.E./B.Tech. (Honours) | 3/4 years (Lateral entry, Regular) | 4/5 years (Lateral entry, Regular) | 18 credits from more than one vertical of same program | 7.50 | First attempt | One year authorised break of study Included in the duration permitted (iii) | Not permitted | Will not be considered as an attempt |

| Degree (i) | Duration of programme (ii) | Duration permitted (iii) | Additional credits (iv) | CGPA (v) | Pass in (vi) | Break of study (vii) | Prevention due to lack of attendance | Withdrawal from writing end semester examination (viii) |
|--|--|--|---|-----------------|---------------------|---|---|--|
| B.E./B.Tech. minor in other specialisation | 3/4 years (Lateral entry, Regular, respectively) | 4/5 years (Lateral entry, Regular, respectively) | 18 credits from any one vertical of the other programme | 6.50 | - | One year authorised break of study included in the Duration permitted (iii) | Included in the Duration permitted (iii) | - |

| | |
|---------------|--|
| 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 | Student earned additional 18 credits as per Clause 4.10 (i) and (ii) but does not satisfy the conditions mentioned in 16.2.1 or 16.2.2 shall not be awarded B.E./B.Tech. Honours. In such cases the mark sheet will show the additional courses studied and those courses shall not be considered for CGPA computation. In such case if the student becomes eligible for First Class, while computing CGPA without taking into account the additional course studied, the student shall be awarded B.E. / B.Tech. in First Class only. |
| 16.3 | A candidate who is absent in semester end 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. |
| 16.4 | <p>Photocopy / Revaluation</p> <p>A candidate can apply for photocopy of his/her semester examination answer paper in a theory course, within 2 weeks from the declaration of results, on payment of a prescribed fee through proper application to the Controller of Examinations through the Head of Department. The answer script is to be valued and justified by a faculty member, who handled the subject and recommended for revaluation with breakup of marks for each question. Based on the recommendation, the candidate can register for the revaluation through proper application to the Controller of Examinations. The Controller of Examinations will arrange for the revaluation and the results will be intimated to the candidate concerned through the Head of the Department. Revaluation is not permitted for practical courses and for project work.</p> <p>A candidate can apply for revaluation of answer scripts for not exceeding 5 subjects at a time.</p> |
| 16.5 | <p>Review</p> <p>Candidates not satisfied with Revaluation can apply for Review of his/ her examination answer paper in a theory course, within the prescribed date on payment of a prescribed fee through proper application to Controller of Examination through the Head of the Department.</p> <p>Candidates applying for Revaluation only are eligible to apply for Review.</p> |
| 17 | PROVISION FOR WITHDRAWAL FROM SEMESTER END EXAMINATION |
| 17.1 | A student may, for valid reasons, (medically unfit / unexpected family situations / sports approved by Chairman, sports board and HOD) be granted permission to withdraw from appearing for the semester end examinations in any course or courses in ANY ONE of the semester end examinations during the entire duration of the degree programme. The application shall be sent to the Principal through the Head of the Department with required documents. |

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| 17.2 | Withdrawal application is valid if the student is otherwise eligible to write the examination (Clause 7) and if it is made within TEN days prior to the commencement of the examination in that course or courses and recommended by the Head of the Department and approved by the Principal . |
| 17.2.1 | Notwithstanding the requirement of mandatory 10 days' notice, applications for withdrawal for special cases under extraordinary conditions will be considered on the merit of the case. |
| 17.3 | In case of withdrawal from a course / courses (Clause 13) the course will figure both in Marks Sheet as well as in Result Sheet. Withdrawal essentially requires the student to register for the course/courses The student has to register for the course, fulfill the attendance requirements (vide clause 7), earn continuous assessment marks and attend the semester end examination. However, withdrawal shall not be construed as an appearance for the eligibility of a candidate for First Class with Distinction. |
| 17.4 | If a student withdraws from writing semester end examinations for a course or courses, he/she shall register for the same in the subsequent semester and write the semester end examination(s). |
| 17.5 | If a student applies for withdrawal from Project Work, he/she will be permitted for the withdrawal only after the submission of project report before the deadline. However, the student may appear for the viva voce examination within 30/60 days after the declaration of results for Project Work I and II respectively and the same shall not be considered as reappearance. |
| 17.6 | Withdrawal is permitted for the semester end examinations in the final semester, as per clause 16.2.1. |
| 18 | PROVISION FOR AUTHORISED BREAK OF STUDY |
| 18.1 | A student is permitted to go on break of study for a maximum period of one year as a single spell. |
| 18.2 | Break of Study shall be granted only once for valid reasons for a maximum of one year during the entire period of study of the degree programme. However, in extraordinary situation the candidate may apply for additional break of study not exceeding another one year by paying prescribed fee for break of study. If a candidate intends to temporarily discontinue the programme in the middle of the semester for valid reasons, and to rejoin the programme in a subsequent year, permission may be granted based on the merits of the case provided he / she applies to the Principal, in advance, but not later than the last date for registering for the semester end examination of the semester in question, through the Head of the Department stating the reasons therefore and the probable date of rejoining the programme. |
| 18.3 | The candidates permitted to rejoin the programme after break of study / prevention due to lack of attendance, shall be governed by the Curriculum and Regulations in force at the time of rejoining. The students rejoining in new Regulations shall apply to the Principal in the prescribed format through Head of the Department at the |

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| | beginning of the readmitted semester itself for prescribing additional courses, if any, from any semester of the regulations in-force, so as to bridge the curriculum in-force and the old curriculum. |
| 18.4 | The authorized break of study would not be counted towards the duration specified for passing all the courses for the purpose of classification (vide Clause 16.2). |
| 18.5 | 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 in order that he/she may be eligible for the award of the degree. |
| 18.6 | If any student is prevented from appearing the semester end examination for want of required attendance, the period of prevention shall not be considered as authorized 'Break of Study' (Clause 18.1) 18.8 No fee is applicable to students during the Break of Study period. |
| 19. | DISCIPLINE |
| 19.1 | Every student is required to observe disciplined and decorous behavior both inside and outside the college and not to indulge in any activity which will tend to bring down the prestige of the University / College. The Head of Institution shall constitute a disciplinary committee consisting of one Head of Department and other senior faculty from the faculty of the student, to enquire into acts of indiscipline and notify the head of institution about the disciplinary action recommended for approval. |
| 19.2 | If a student indulges in malpractice in any of the semester end or internal examination, he / she shall be liable for punitive action as prescribed by the Institution from time to time. |
| 20. | RANK OF A STUDENT A Candidate who qualifies for the Degree by passing the examination in all courses of the entire Programme in first attempt within a period of Four consecutive academic years can be given his/her position in the class as rank. The Rank is determined through CGPA from III Semester to VIII Semester. Students transferred from other institutions to Velammal Engineering College are not eligible for rank and students with history of arrears during the entire programme are not eligible for rank. The candidate who secures first position in the examination based on CGPA in corresponding programme will be given a rank certificate. |
| 21. | SPECIAL CASES In the event of any clarification in the interpretation of the above rules and regulations, they shall be referred to the Academic Appeals Board. The Academic Appeals Board will offer suitable interpretations/ clarifications / amendments required for special case on such references and get them ratified in the next meeting of the Academic Council. The decision of the Academic Council will be final. |
| 22. | REVISION OF REGULATIONS, CURRICULUM AND SYLLABI |

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| | The institution may from time to time revise, amend or change the Regulations, Curriculum, Syllabi and the scheme of examinations through the Academic Council. |
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